



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SERIES
250
300



HOSE REELS



TECHNICAL CHARACTERISTICS

- 1 Spring**

Rewind spring completely protected from the external environment. The spring undergoes a durability test of 30000 cycles (each cycle corresponds to complete winding and unwinding of the hose), thereby simulating an average service life of more than 10 years.

Possibility of intervening to adjust the spring force, increasing or decreasing the preload.
- 2 Unions and central pin**

Made from material suitable to withstand aggressive products (Delrin®) and with passages sized to avoid pressure losses.
- 3 Entry swivel**

Available in versions in brass and AISI 304 stainless steel. With internal passage suitably sized for the hoses used, it can be adjusted to eight different positions, equally spaced 45°, to facilitate connection of the entry hose (supplied) to the fixed system.
- 4 Hose**

Polyurethane hose provided with hose stop and exit swivel that facilitates the use of pneumatic equipment (inflating guns, screwdrivers, etc.) to which it is connected. Two metal coils positioned at the two ends of the hose are a safe strengthening of the actual structure. Resistant to aggressive acids and suitable for use with water up to 70°C.
- 5 Hose guide**

Sturdy and durable with stainless steel internal strengthening. Ample width to adequately guide the hose for correct rewinding. Equipped with 4 rollers, 2 arranged horizontally (top and bottom) and 2 arranged vertically (left and right) which reduce hose wear.
- 6 Structure**

Designed to last, it still allows easy removal and refitting of all parts in case of maintenance.

Available in two versions:

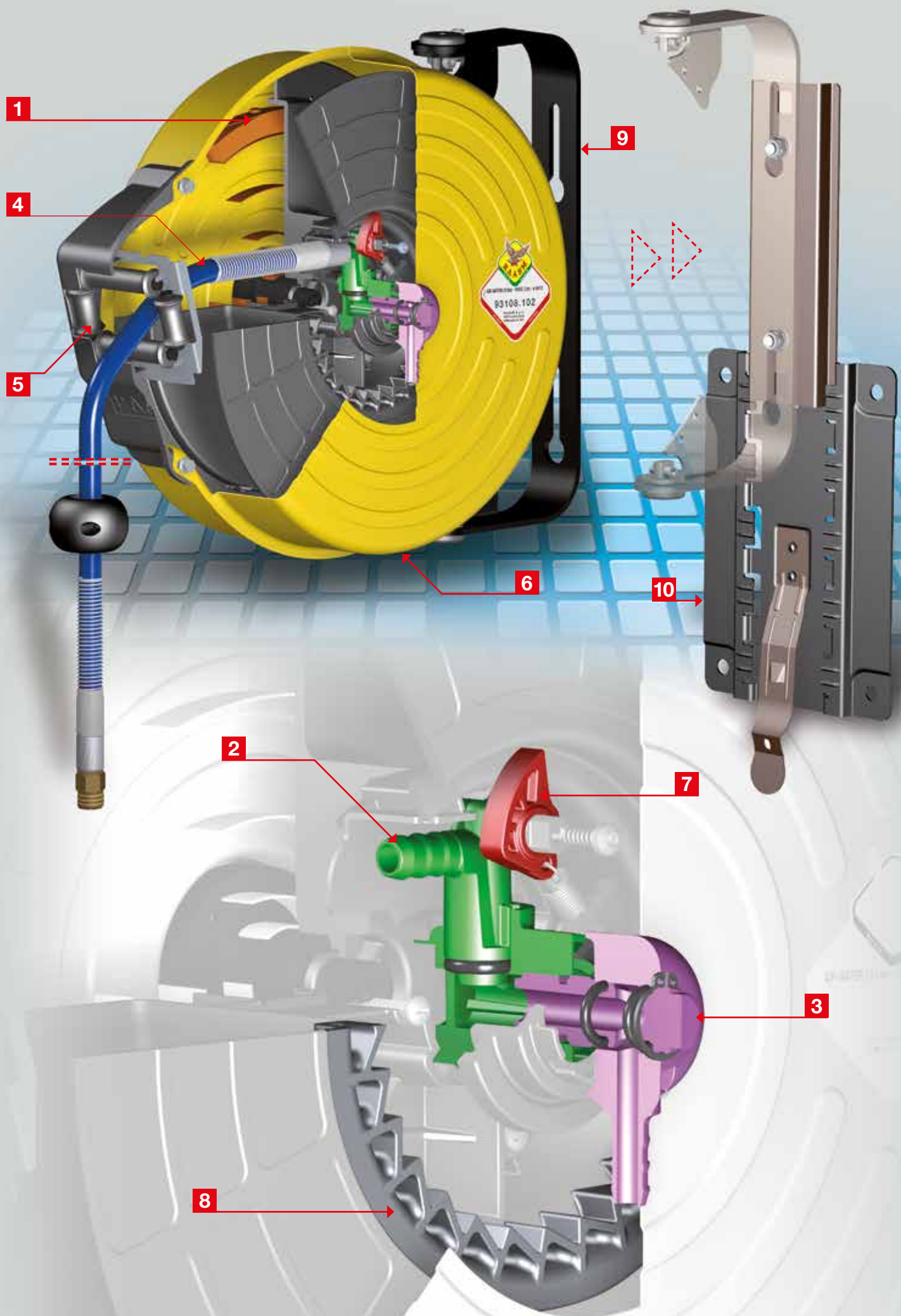
 - in steel coated with polyester resins, preceded by various stages of washing and degreasing the material (even with nanotechnologies) that double the resistance of the coating compared to traditional methods
 - in AISI 304 stainless steel with electrolytic polishing that improves the resistance of the material in aggressive atmospheres, while improving the appearance of the product
- 7 Pawl**

Of increased thickness with strengthening ribs to ensure high resistance to stress. Actuated by a stainless steel spring.
- 8 Rack**

With increased width and strengthening ribs to ensure greater durability and sturdiness. Made from durable material (ABS) suitable for ATEX certification.
- 9 Adjustable bracket**

Featuring a sturdy structure, provided with slotted fixing holes to facilitate wall mounting and also allow adaptation to existing holes with centre distance of 130 mm to 210 mm. The bracket has special seals which act as a clutch by controlling the speed of rotation to the right and left of the hose reel.
- 10 Bayonet bracket**

The bracket with bayonet quick coupling, already used on the 260 Series, equipped with a special adapter enabling fixing to the adjustable bracket of the hose reel is available on request.





S. 250 - 300 ENCLOSED SWIVELLING PAINTED STEEL

► AIR-WATER 20 bar - 40 °C

► In accordance with directive   II 3 GD
c IIB TX



Series 250			
P/N	Hose supplied	Connection	
		inlet	outlet
92608.101	12 m - 8x12 (971.112)	M 3/8"G	M 1/4"G
92608.102	10 m - 10x14,5 (972.110)	M 3/8"G	M 3/8"G

Series 300			
P/N	Hose supplied	Connection	
		inlet	outlet
93108.102	12 m - 8x12 (971.112)	M 3/8"G	M 1/4"G
93108.103	15 m - 8x12 (971.116)	M 3/8"G	M 1/4"G
93108.104	20 m - 8x12 (971.121)	M 3/8"G	M 1/4"G
93108.105	12 m - 10x14,5 (972.112)	M 3/8"G	M 3/8"G
93108.106	15 m - 10x14,5 (972.116)	M 3/8"G	M 3/8"G

Supplied with:

- outlet swivel joint
- polyurethane hose (blue) with protection spring on connection
- brass fitting
- brass swivel joint
- Viton® seals
- inlet connection 1,5 m



COLORS

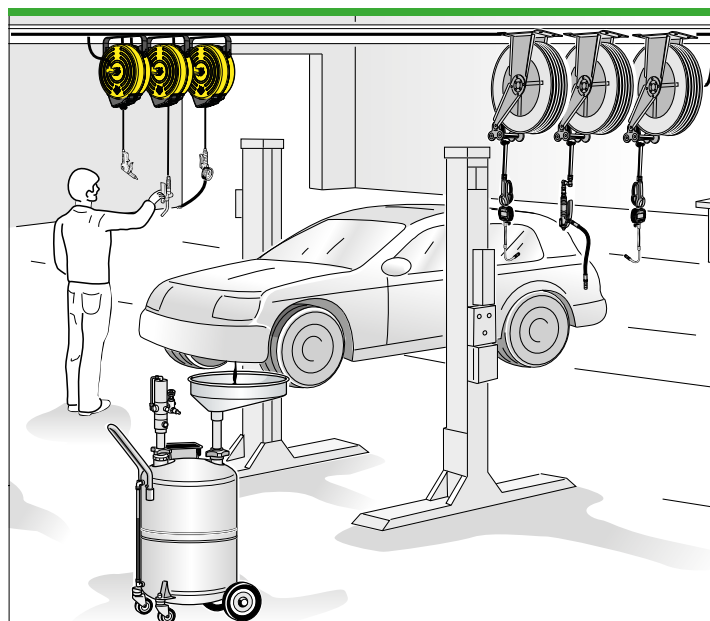
Standard
RAL1004 yellow



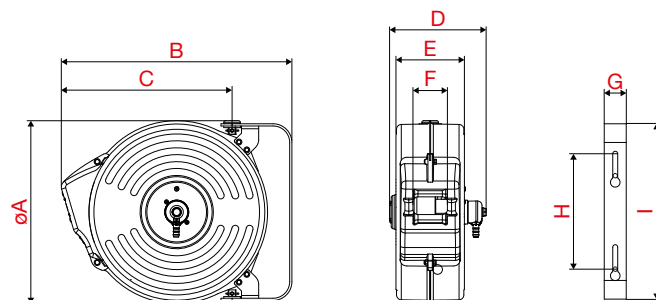
Optional
RAL7035 gray



Add the /C1 suffix to the P/N
to order the gray color



OVERALL DIMENSIONS (mm)



Series	A	B	C	D	E	F	G	H	I
250	281	338	230	173	124	62	40	from 130 to 210	319
300	330	416	308	174	124	62	40	from 130 to 210	319



S. 250 - 300 ENCLOSED SWIVELLING STAINLESS STEEL AISI 304

► WATER-DETERGENT 20 bar - 70 °C

► In accordance with directive   II 3 GD
c IIB TX



Series 250			
P/N	Hose supplied	Connection	
		inlet	outlet
92708.101	12 m - 8x12 (981.112)	M 3/8"G	M 1/4"G
92708.102	10 m - 10x14,5 (982.110)	M 3/8"G	M 3/8"G

Series 300			
P/N	Hose supplied	Connection	
		inlet	outlet
93208.102	12 m - 8x12 (981.112)	M 3/8"G	M 1/4"G
93208.103	15 m - 8x12 (981.116)	M 3/8"G	M 1/4"G
93208.104	20 m - 8x12 (981.121)	M 3/8"G	M 1/4"G
93208.105	12 m - 10x14,5 (982.112)	M 3/8"G	M 3/8"G
93208.106	15 m - 10x14,5 (982.116)	M 3/8"G	M 3/8"G

Supplied with:

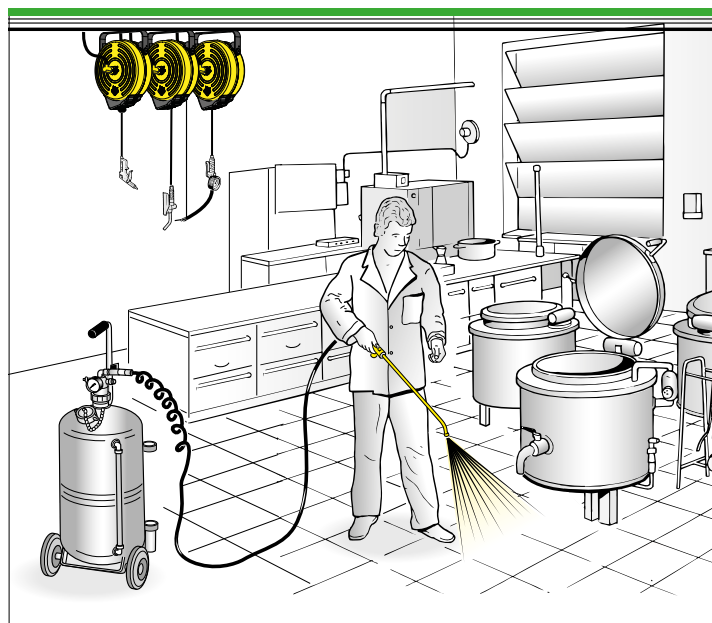
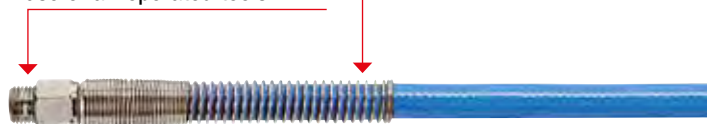
- outlet swivel joint
- polyurethane hose (blue) with protection spring on connection
- stainless steel AISI 304 fitting
- stainless steel AISI 304 swivel joint
- Viton® seals
- inlet connection 1,5 m



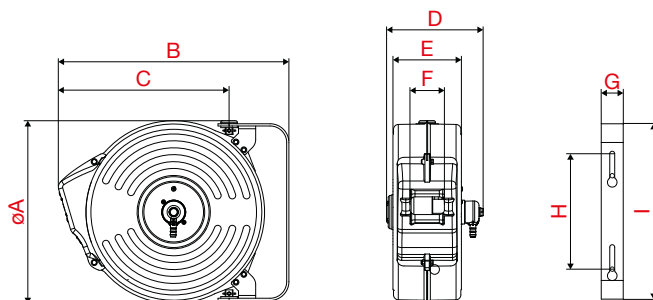
SPECIAL HOSE

Swivel joint to facilitate the use of air-operated tools

Hose anti-bending spring



OVERALL DIMENSIONS (mm)



Series	A	B	C	D	E	F	G	H	I
250	281	338	230	173	124	62	40	da 130 a 210	319
300	330	416	308	174	124	62	40	da 130 a 210	319

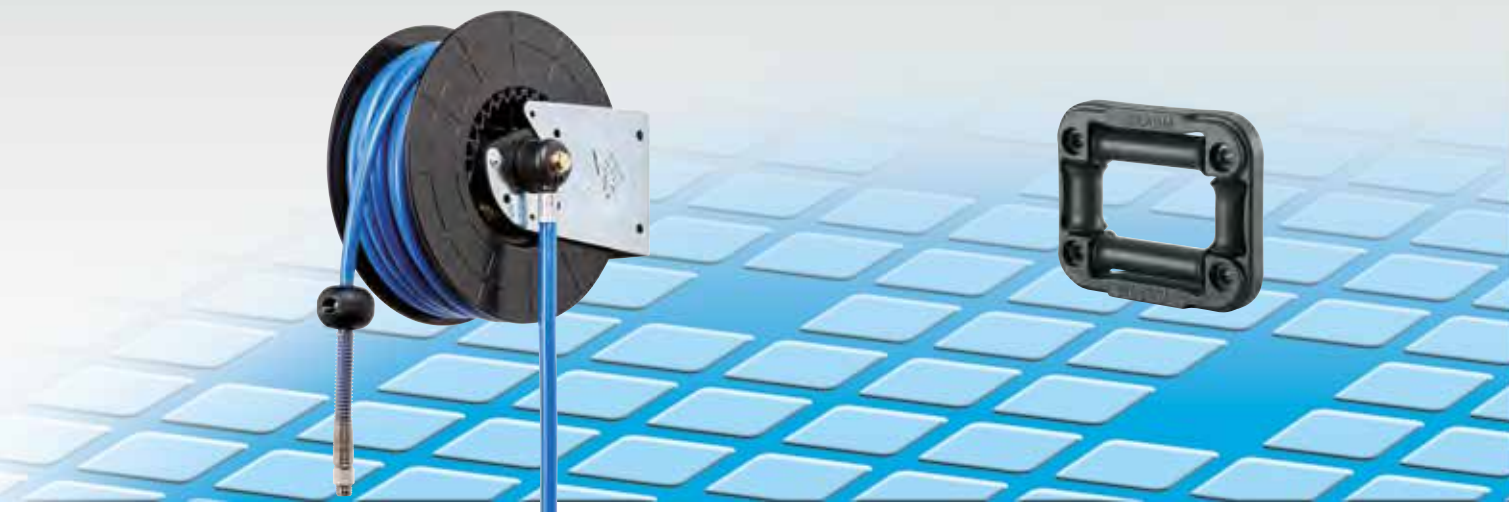


S. 250 SERVICE COLUMNS

ZINC PLATED STEEL WITH ABS DRUM

► AIR-WATER 20 bar - 40 °C

► In accordance with directive   II 3 GD
c IIB TX

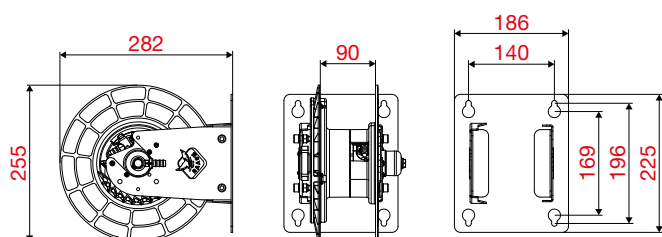


Series 250			
P/N	Hose supplied	Connection	
		inlet	outlet
92438.101	12 m - 8x12 (971.112)	M 3/8"G	M 1/4"G
92438.102	10 m - 10x14,5 (972.110)	M 3/8"G	M 3/8"G

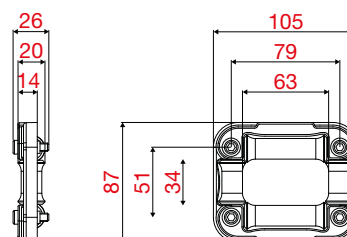
P/N 89005

Hose guide with 4 opposed rollers for application of service columns in technopolymer

OVERALL DIMENSIONS (mm)

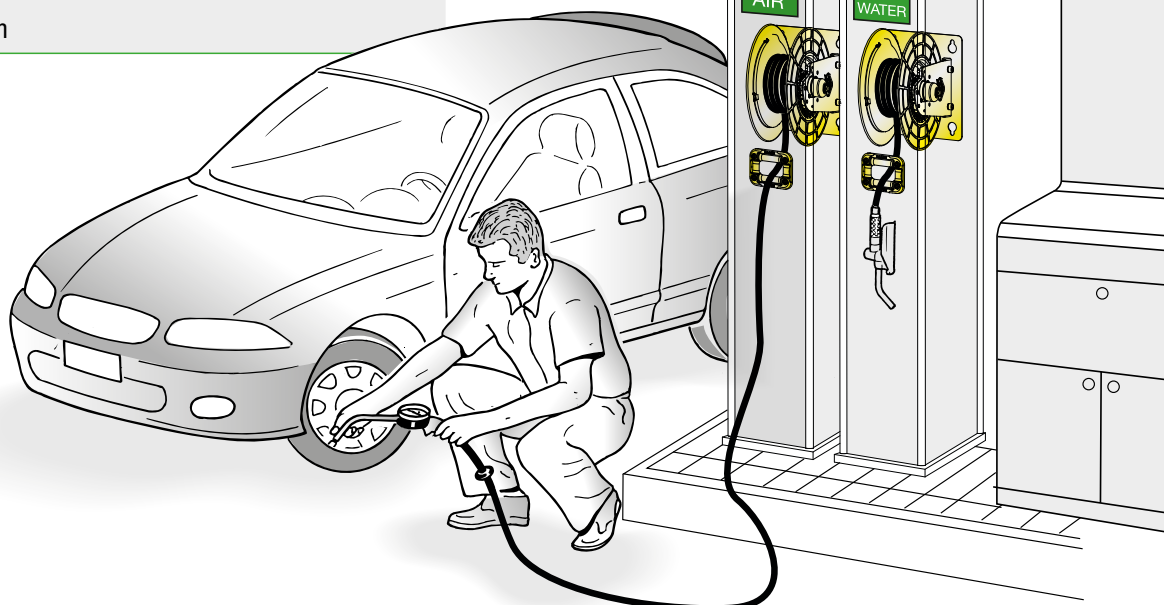


OVERALL DIMENSIONS (mm)



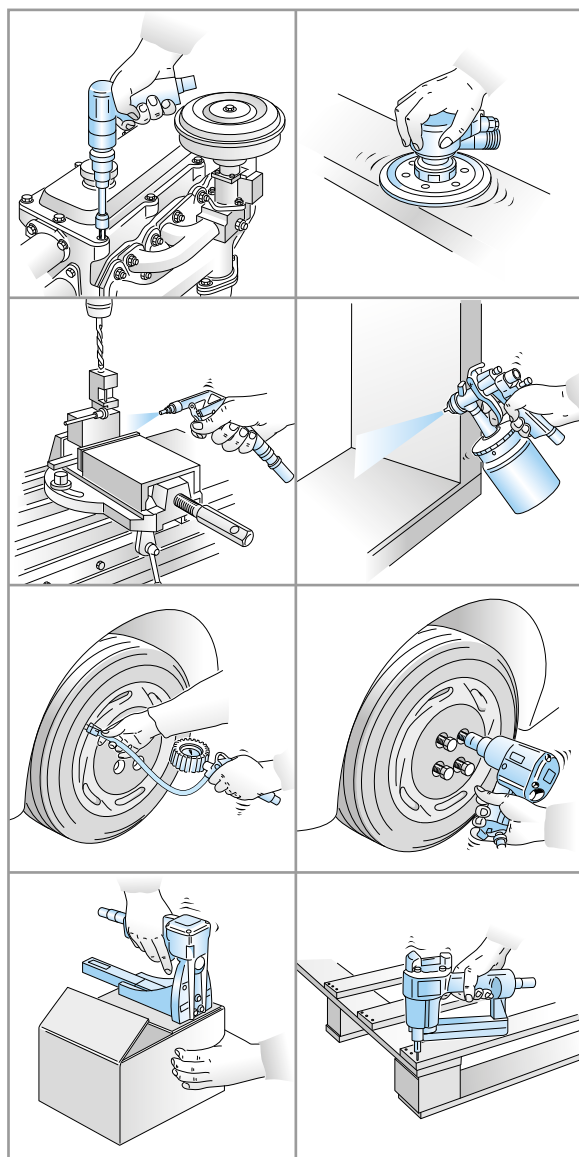
Supplied with:

- outlet swivel joint
- polyurethane hose (blue) with protection spring on connection
- brass fitting
- brass swivel joint
- Viton® seals
- inlet connection 1,5 m



EXAMPLE of use

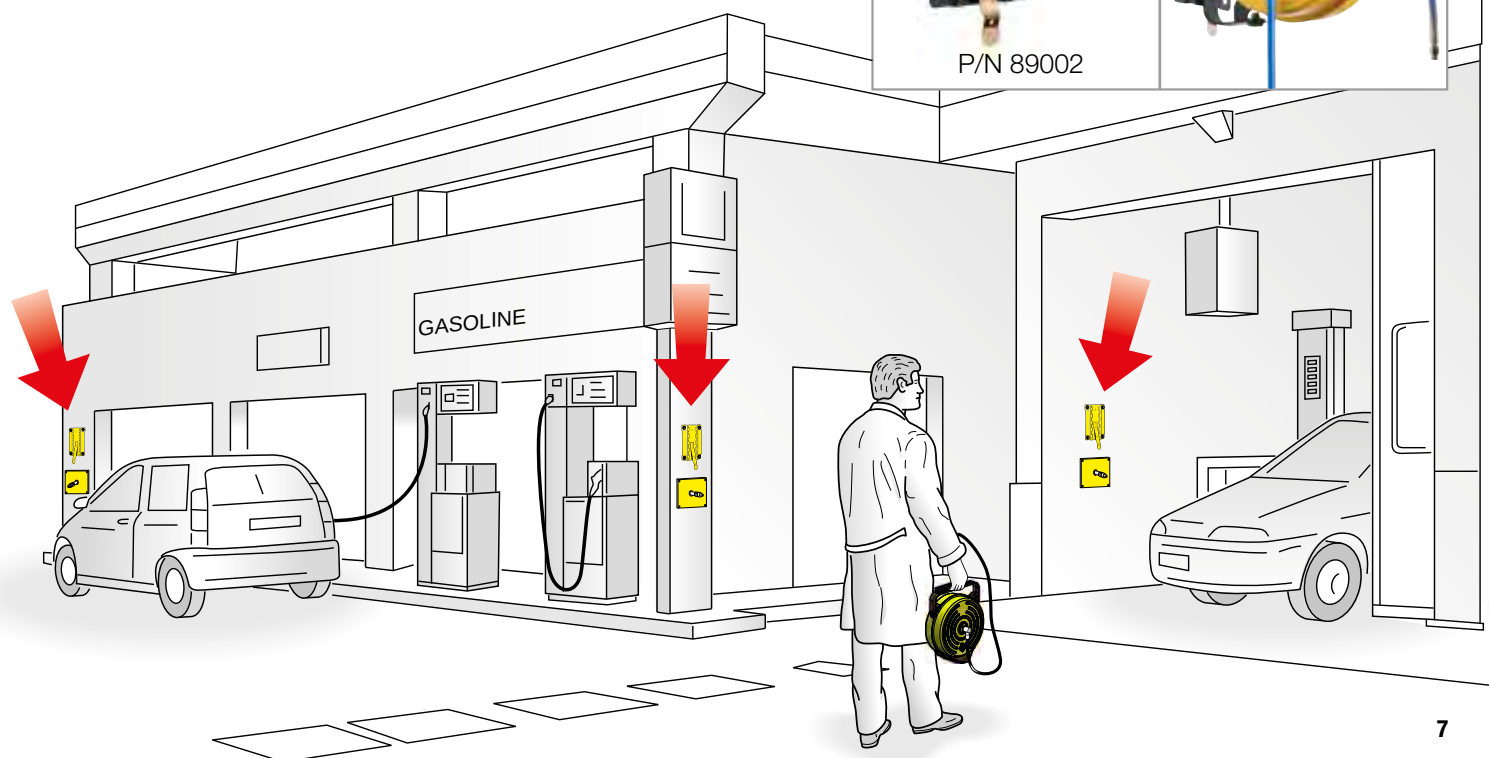
RAASM has created a wide range of industrial hose reels to meet the most complex needs in various application sectors such as: industry, agriculture, depots and refineries, mining, aviation, shipyards, fire brigades, automotive, etc.



P/N 89002

Wall support for bayonet hooking in painted steel (on request for series 250-300 adjustable).

With the placing of several wall supports for bayonet hooking (on request) at the points of use, they allow easy movement of the hose in the various work positions.





THREE WORDS TO DESCRIBE RAASM

■ Technology

The starting point for the entire production cycle is the research and development of cutting-edge new solutions which lead to the development of **high quality products, fully produced in Italy.**

■ Quality

The quality of our product manufacturing has always been our absolute priority. To reach this goal rigorous testing accompanies every phase of the manufacturing process.

■ Functionality

RAASM offers the most complete range of lubrication products suited to many sectors. Our aim is to always be available to provide solutions to our customers.



Authorized distributor



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GB

WRAV250300-GB

CE **Made in Italy**
DESIGNED AND MANUFACTURED
AT **RAASM - ITALY**



technology, functionality, safety

Automotive Lubrication



Industrial Hose reels



Industrial Pumps



Catalogue No 219

1st January 2011



technology
functionality
safety

founded in 1975



RAASM

FLUIDS AND LUBRICATION EQUIPMENT





General view of RAASM Area in San Zeno di Cassola - Vicenza





RAASM branch in Romano d'Ezzelino - Vicenza



THE IMPORTANCE OF RESEARCH AND DEVELOPMENT





The starting point for the entire production cycle is the research and design of new solutions that will become cutting-edge products.





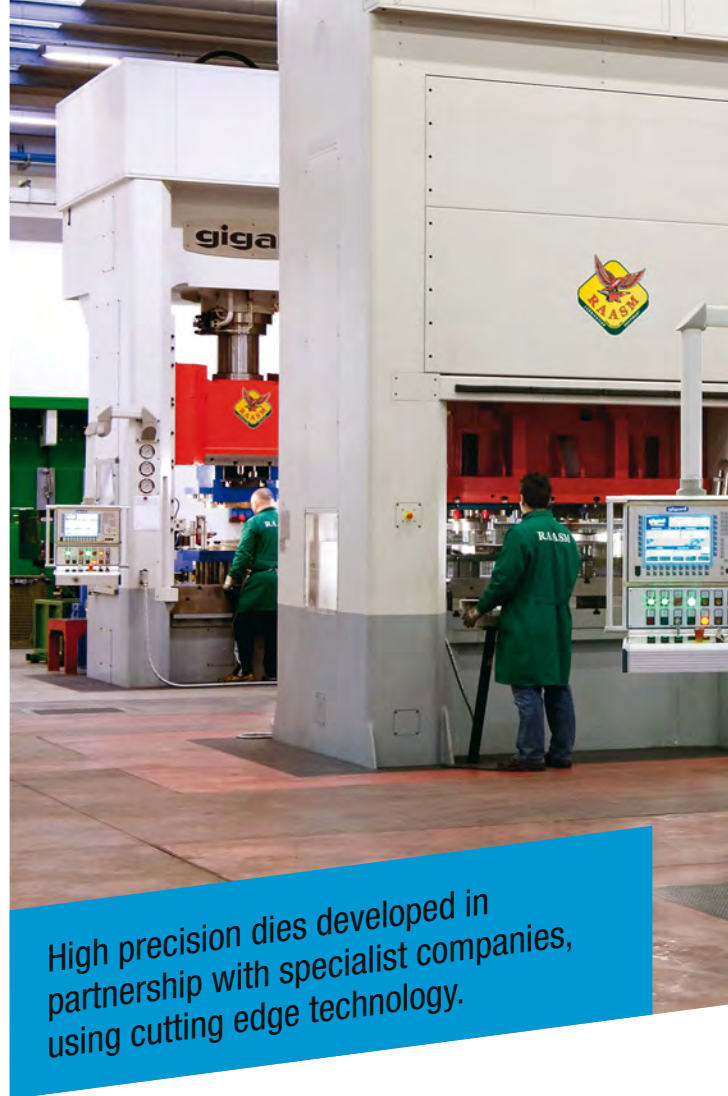
PRODUCTS DEVELOPED AND TESTED IN EVERY SINGLE DETAIL





A sophisticated testing room allows to check carefully the quality of the new products before introduce them in the market.





High precision dies developed in partnership with specialist companies, using cutting edge technology.

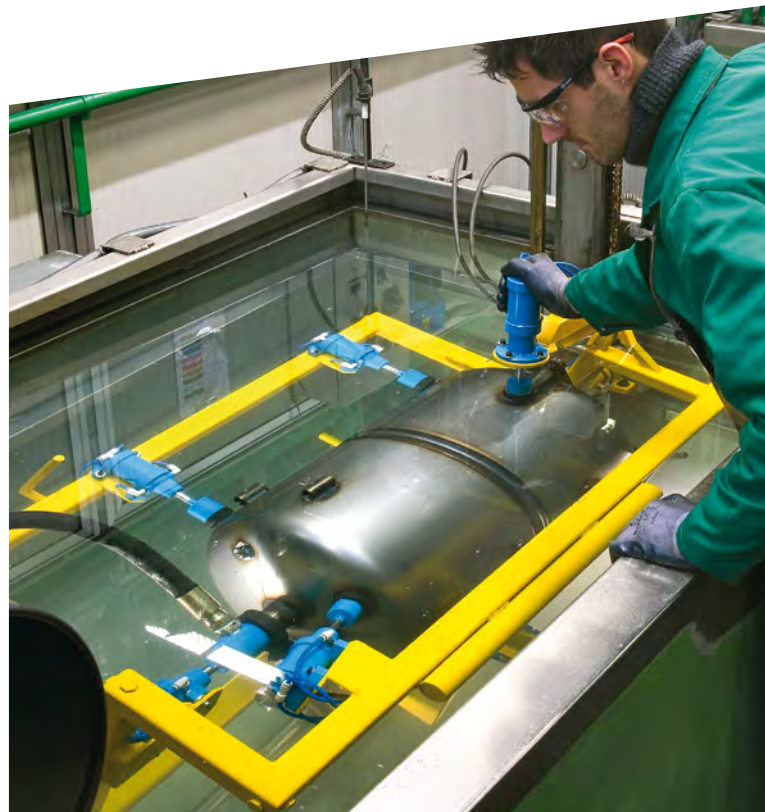
FULL ROBOTIZED WELDING





Welding quality is guaranteed by :

- the material used
- a high-tech robot
- an appropriate welding programme



- precise torch positioning
- control of temperature
- testing and a complete visual check of all welds on each product

...FOR THE HIGHEST QUALITY ALSO
IN PAINTING

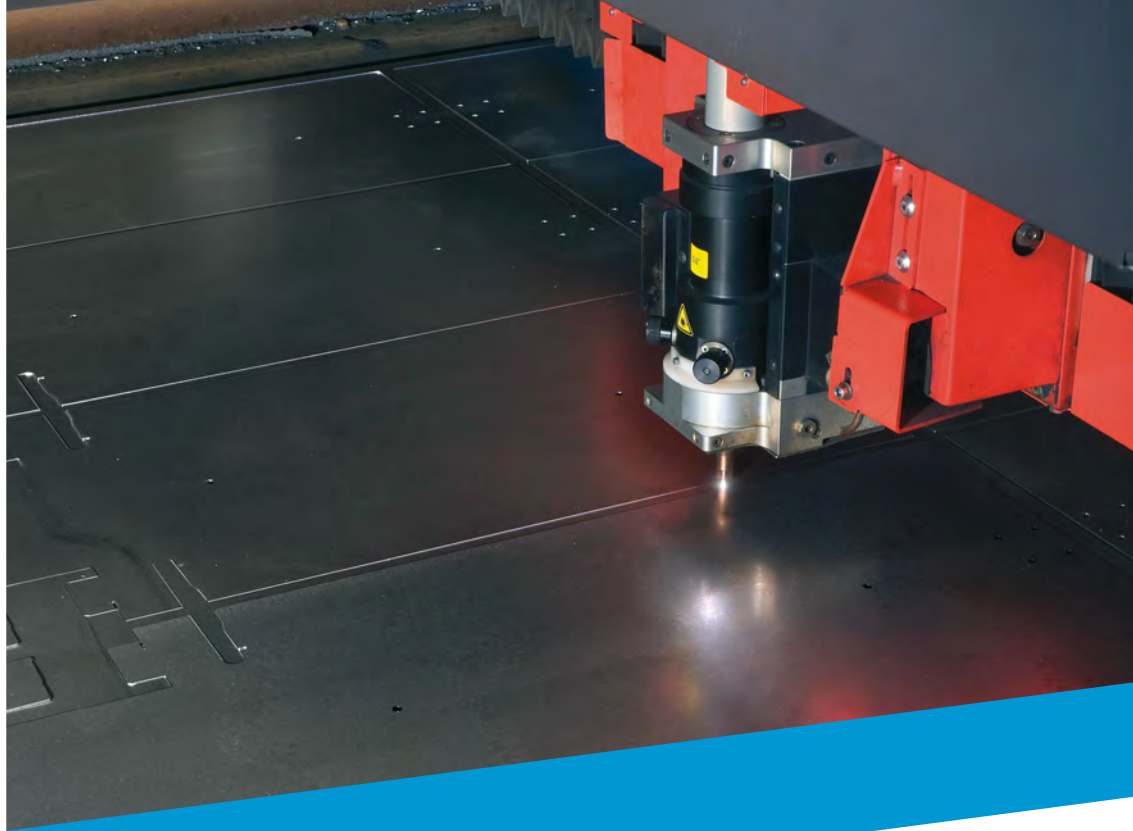
The painting is guaranteed by innovative systems with lead and heavy metal-free non-toxic polyester resin for exteriors, with average thickness of 80 μ .

The painting is highly resistant to atmospheric agents and impacts.

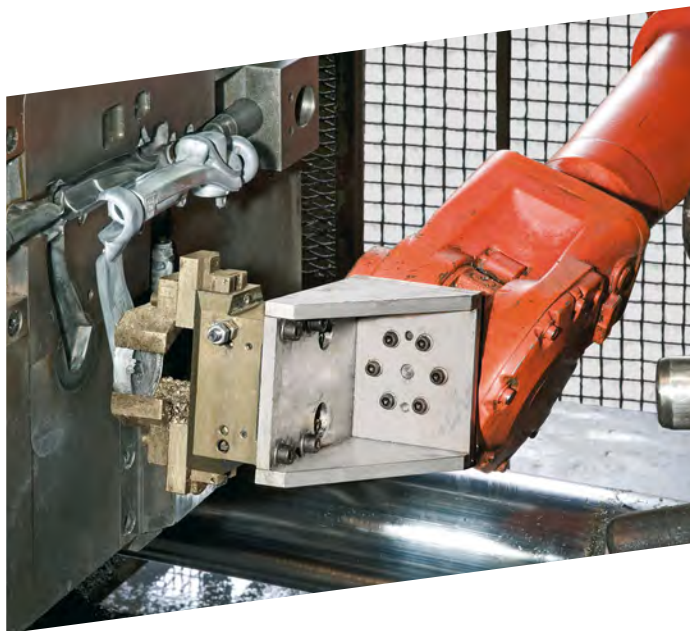
The painted products undergo "saline mist resistance" corrosion testing according to UNI 9227 standards.



Computerised laser cutting enables the execution of complex work requiring extreme precision.



The excellence of the die-castings is ensured by the consistent quality of the castings obtained by means of computerised control of the presses and castings during the course of production.



Robotised injection moulding of components in thermoplastic material with subsequent structural inspection of the moulded pieces.





Turning, with state of the art machinery, as a result of continuing investment. Allowing the manufacture of complex components.

AN ALWAYS IN THE FOREFRONT REALITY





High precision instruments allow a careful control of the parts produced by evaluating their features: dimensions, hardness, roughness, etc.

CONTROL ROOM FOR BETTER QUALITY





A WAREHOUSE CONSTANTLY WELL-STOCKED
...to grant a fast and efficient spare parts
replacement service

Automated vertical store complete with
travelling lift for storage and handling
of material.

... a static structure for a dynamic system.
Control is carried out by means of company
management software, offering efficiency
and maximum flexibility.



MODULA



ENETEM
LOGISTICS

MODULA



ENETEM
LOGISTICS

RAASM

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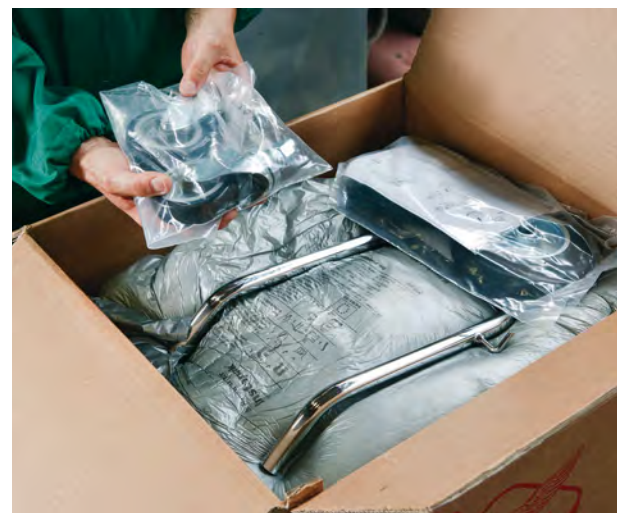
Pumps assembling with final control using a special software to verify pump's functionality.

EFFICIENT AND WELL ORGANIZED ASSEMBLY LINES





Careful packaging with special protections to avoid any damage during transport.





A WAREHOUSE CONSTANTLY WELL-STOCKED



Our inventory of finished products allows us to have the most popular items always available and ready to be shipped.



...to provide a fast and efficient order fulfillment

the packaging department prepares the products with packing materials suitable for specific protection requirements. This phase includes a final visual check of each article.



After a careful packaging, products are ready for shipment.



Technical and commercial brochures realized by qualified personnel.

TRAINING COURSE FOR CUSTOMERS AND DISTRIBUTORS

RAASM organizes refresher courses to improve the efficiency of our customer care service.

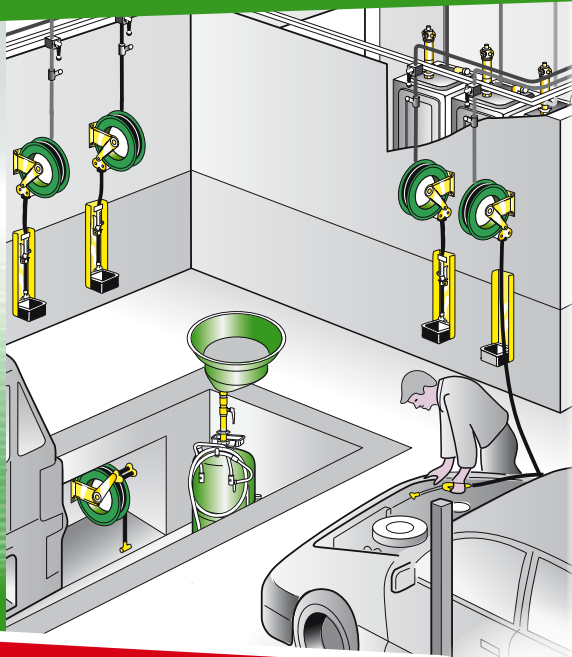




ONGOING TECHNICAL TRAINING FOR ALL RAASM STAFF

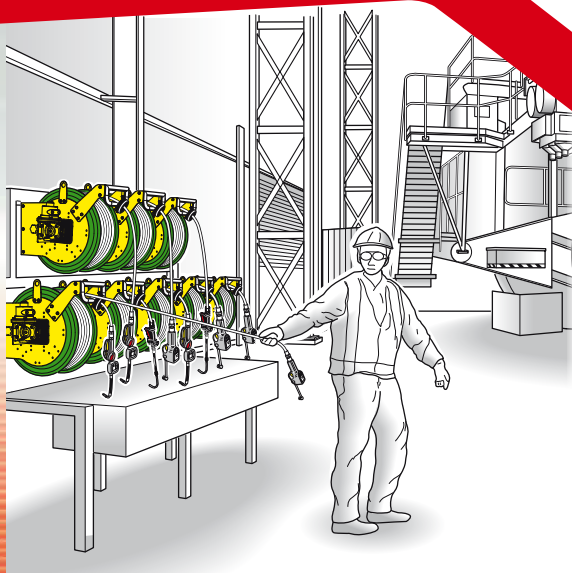


Automotive lubrication



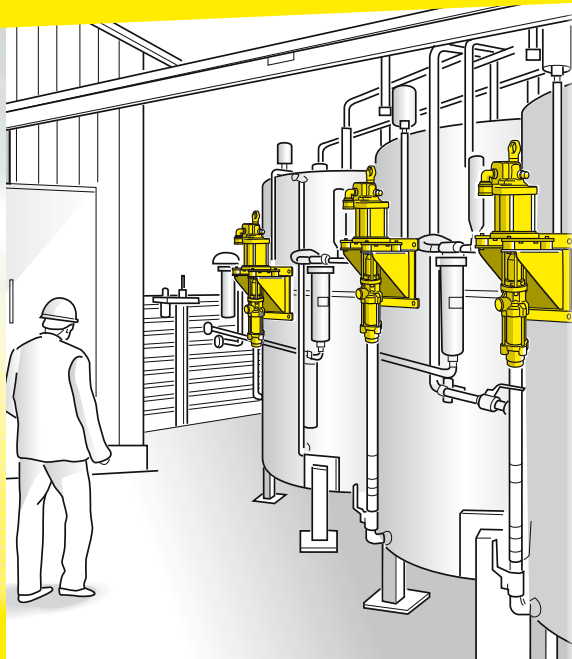
A wide variety of products for lubrication in the automotive, industrial, agricultural, marine and other sectors. Our products are designed to make work easier and quicker, according to the needs of our customers.

Industrial hose reels



RAASM hose reels enable safe and practical management of any type of hose for use with all types of fluids.

Industrial pumps



RAASM has created a wide range of industrial pumps to meet the most complex needs in application sectors such as industry, building, mining, shipyards, etc. This large range will certainly have the right pump for your application.



1 BRAKE BLEEDING - WASHING - INFLATING page **31**

2 WASTE OIL SUCTION/DRAINERS page **41**



3 MANUAL OIL AND GREASE PUMPS page **59**



4 OIL PUMPS FOR TRANSFERRING AND DISTRIBUTION page **67**



5 GREASE PUMPS AND ACCESSORIES page **115**



6 SERVICE COLUMNS page **133**



7 HOSE REELS AND ACCESSORIES page **143**



8 INDUSTRIAL PUMPS AND ACCESSORIES page **189**







AUTOMOTIVE LUBRICATION





FLUIDS AND LUBRICATION EQUIPMENT



Brake bleeding - washing - inflating

1



BRAKE - CLUTCH BLEEDING

page 32



PRESSURE SPRAYERS

page 36



WASHING TANK

page 37



TYRE INFLATOR

page 38

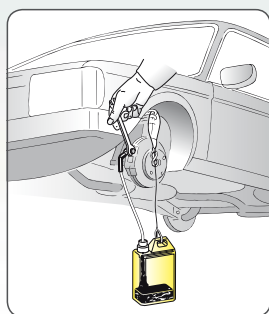


Brake-clutch bleeding equipment

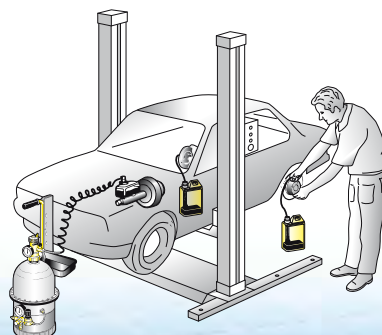
with 2 chambers

with 3 chambers

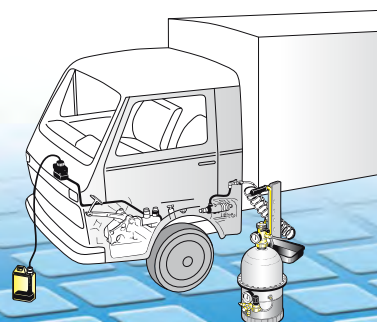
The simplified air-operated two-chamber or three chamber, brake bleeding device is suitable for bleeding the hydraulic brakes and clutches of all motor vehicles. Bleeding can be carried out in a few minutes by just one person. The brake-bleeding device is equipped with an elastic inner membrane which hermetically separates the oil from the air, thus avoiding the risk of emulsion. It is also suitable for systems with braking control and ABS (max. at 1 bar).



Article		10105	10205	10207	10705	10805	10807
Tank capacity	litres	5	5	5	5	5	5
Set of plugs	Art.	-	11001	11004	-	11001	11004
clutch bleeding tube	Art.	-	10802	10802	-	10802	10802
2 collection containers	Art.	10801	10801	10801	10801	10801	10801
Filler funnel		yes	yes	yes	yes	yes	yes
Max working pressure	bar	2	2	2	2	2	2
Tank max pressure	bar	2	2	2	10	10	10
Delivery hose length	m	3	3	3	3	3	3
Safety valve	bar	3	3	3	10	10	10
Packing	N° - m ³	1 - 0,065	1 - 0,065	1 - 0,065	1 - 0,065	1 - 0,065	1 - 0,065
Weight	kg	8,5	9,5	9,7	10,2	11,2	11,4
Dimensions (A - B - C)	cm	43 - 25 - 65	65 - 43 - 25	43 - 25 - 65	45 - 25 - 65	45 - 25 - 65	45 - 25 - 65



Braking system
bleeding phase

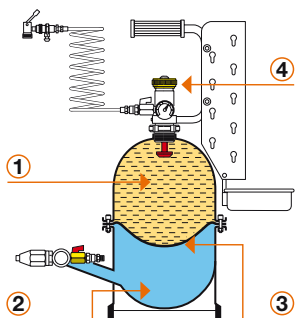


Truck clutch system
bleeding phase



Brake bleeder operation

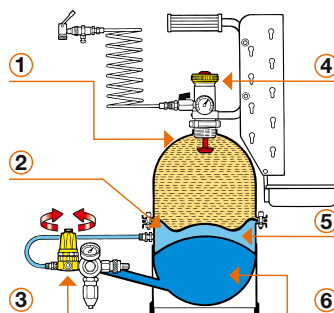
2 chambers operation



The brake-bleeding device is equipped with an elastic inner membrane (3) which hermetically separates the oil contained in the oil tank (1), from the air contained in the air "expansion" tank (2), thus avoiding the risk of emulsion (working pressure 1 - 2 bar controllable on the upper pressure gauge).

The oil tank (4) filler cap is equipped with a "reserve indicator" that signals when the fluid is finishing, and an air venting valve to be used in the device activation phase.

3 chambers operation



The brake-bleeding device is equipped with an elastic inner membrane (2) which hermetically separates the oil contained in the oil tank (1), from the air contained in the air "expansion" tank (5), thus avoiding the risk of emulsion. It is also equipped with a third air reserve tank (high pressure air 8-10 bar) (6) which, delivered by means of a pressure regulator (3), enables several bleeding operations to be carried out at a constant pressure without having to recharge the device.

The oil tank (4) filler cap is equipped with a "reserve indicator" that signals when the fluid is finishing, and an air venting valve to be used in the device activation phase.

Procedures for applying the connection plugs



Before bleeding it is important to fill the brake fluid reservoir by means of the brake bleeder quick-release connector.



The extended nozzle of the plug must be immersed in the fluid to avoid sprays or air and oil emulsions.



Connect the brake bleeding device to the reservoir by means of the quick-release connector.

LIST OF SCREW PLUGS FOR CARS

ALFA.....	A-D-L
AUDI.....	D
AUSTIN MORRIS.....	A-D-T
AUTOBIANCHI.....	B-H
BMW.....	D-W
CITROËN.....	D-E-I
CHRYSLER.....	W
DAEWOO.....	D-W
FERRARI.....	D-G-H
FIAT.....	A-B-D-H-I
FORD.....	A-D-T
HYUNDAI.....	W
INOCENTI.....	A-D-L
JAGUAR.....	L

JEEP.....	W
KIA.....	D
LAMBORGHINI.....	D-H-W
LADA.....	H
LANCIA.....	D-H
LAND ROVER.....	T-W
LEYLAND.....	A
MASERATI.....	D-G-L
MITSUBISHI.....	K-U
MAZDA.....	D-W
MERCEDES.....	D
MG.....	W
NISSAN.....	W
OPEL.....	D-F

PEUGEOT.....	D-F-M
PORSCHE.....	C-D
RENAULT.....	D-G-I-M
ROVER.....	A-D-W
SAAB.....	D
SEAT.....	D-H
SUBARU.....	U-W
SUZUKI.....	D-W
TALBOT.....	D-F
TOYOTA.....	W
TRIUMPH.....	T
VAUXHALL.....	A
VOLKSWAGEN.....	C-D
VOLVO.....	D-G-U

LIST OF SCREW PLUGS FOR TRUCKS

ASTRA.....	H
BEDFORD.....	A-G-L
BERLIET.....	D-F-T-X-Z
DAF.....	D

FIAT.....	A-B-D-F-H-I-P
FORD.....	D-G
IVECO.....	D-H-L
MERCEDES.....	D

RENAULT.....	D-F-I-X-Z
SCANIA.....	D-G
VOLVO.....	R

LIST OF PRESSURE PLUGS FOR CARS

HONDA.....	Art. 11003/4, /6
KIA.....	Art. 11003/5, /8
LEXUS.....	Art. 11003/1

MAZDA.....	Art. 11003/5, /9
OPEL.....	Art. 11003/3
ROVER.....	Art. 11003/6

SUZUKI.....	Art. 11003/7
LEXUS.....	Art. 11003/1
TOYOTA.....	Art. 11003/1, /2



Screw connection plugs



Art. 11001

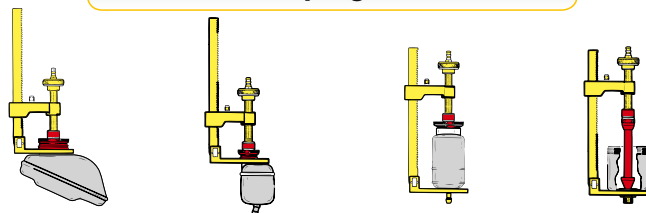
Series of standard screw connection plugs, supplied with Art. 10205 or Art. 10805 (refer to page 32), consisting of:

- 5 screw plugs: 11000/A/D/F/I/T

- 1 universal plug 11000/W

Note: the above plugs can also be supplied individually. The universal plug 11000/W can be used on many types of cars and trucks in addition to those given in the plug list (refer to page 33)

Application examples of universal plug 11000/W

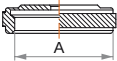
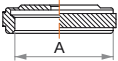


Art. 11002

Series of special screw connection plugs, consisting of: 11000/B/C/E/G/H/K/L/M/P/R/U/X/Y/Z

Note: the series of special plugs is only supplied by request

List of screw plugs supplyable individually

	Article	Plug series	Diameter (A) mm		Article	Plug series	Diameter (A) mm
	11000/A	type A	25		11000/M	type M	68,5
	11000/B	type B	21,5		11000/P	type P	77
	11000/C	type C	26,5		11000/R	type R	33,5
	11000/D	type D	43		11000/T	type T	44
	11000/E	type E	48		11000/U	type U	76
	11000/F	type F	52,5		11000/X	type X	44,5
	11000/G	type G	64		11000/Y	type Y	34,5
	11000/H	type H	41,5		11000/Z	type Z	58,5
	11000/I	type I	59		11000/W Universal plug W with 3 tapered plugs: 1) $\varnothing$ 20 mm 2) $\varnothing$ 28 mm 3) $\varnothing$ 45 mm		
	11000/K	type K	61,5				
	11000/L	type L	76,5				

Note: to choose the connection plug see the "Brake bleeder plug list" tables (refer to page 33)



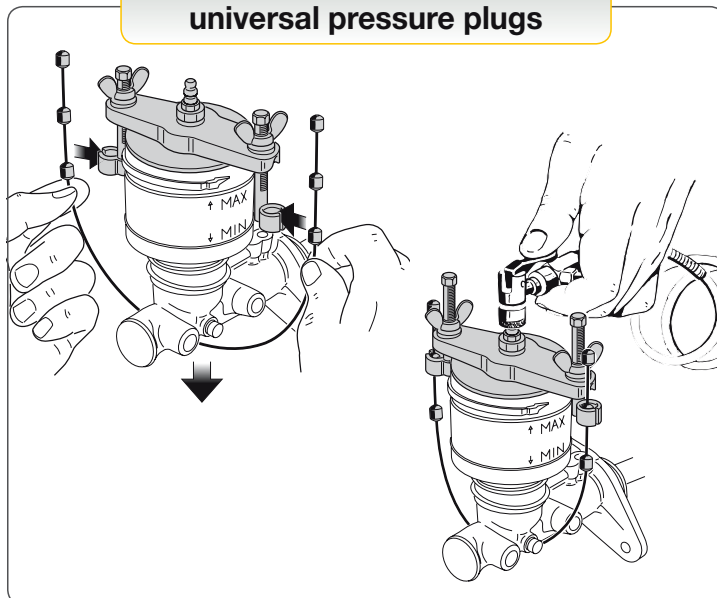
Pressure connection plugs

Art. 11004

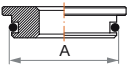
Adjustable universal bracket (Art.11003) with series of pressure plugs 11003/1/2/3/4/5/6/7/8/9



Application examples of universal pressure plugs



List of pressure plugs suppliable individually

	Article	Plug series	Diameter (A) mm	Article	Description
	11003/1	pressure	42,2 42,5		11003 Adjustable universal bracket for pressure plugs.
	11003/2	pressure	42,8		
	11003/3	pressure	53,8 54		
	11003/4	pressure	56		10801 Brake fluid collection containers, complete with transparent tube and 90° flexible attachment for connection to the bleeder valve.
	11003/5	pressure	65,7		
	11003/6	pressure	74,2		
	11003/7	pressure	58,8		10802 Clutch bleeding connection tube, length 600 mm.
	11003/8	pressure	33,7		
	11003/9	pressure	35,8		

Note: to choose the connection plug see the "Brake bleeder plug list" tables (refer to page 33)



Non-toxic pressure sprayers

Painted carbon steel

Stainless steel AISI 304

Devices for the **non-toxic spraying** of low viscosity detergent liquids, such as lubrication oils and similar. Suitable for washing motor vehicles, graphiting, lubricating, delivering dismantling oils, etc. Filled to 3/4 their capacity with the required liquid and pressurised with air at 6 - 8 bar, they work independently without requiring continuous connection to the compressed air line.



Art. 24891
Antisplash
funnel



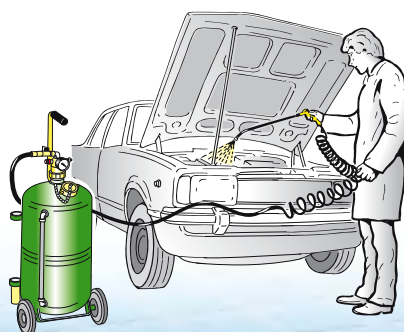
Painted

Polished

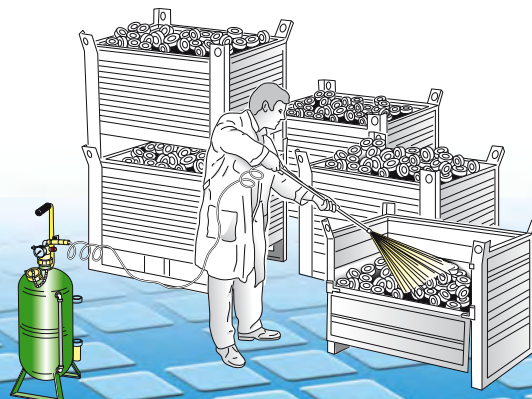
Article		22017	22024	23024	23025
Tank capacity	litres	16	24	24	24
Delivery hose length	m	5	5	5	5
Max working pressure	bar	10	8	8	8
Gun length	m	0,65	0,65	0,65	0,65
Safety valve	bar	10	8	8	8
Level gauge		yes	yes	yes	yes
Spray gun	Art.	24805	24805	24806	24806
Spray nozzle	Art.	24801	24801	24801	24801
Antisplash funnel	Art.	24891	24891	24891	24891
Packing	N° - m ³	1 - 0,080	1 - 0,090	1 - 0,090	1 - 0,090
Weight	kg	9,8	13	12,8	12,8
Dimensions (A - B - C)	cm	25,5 - 22,5 - 95	28 - 33 - 92	28 - 33 - 92	28 - 33 - 92

Caution: do not use with flammable or corrosive liquids

Attention: stainless steel pressure sprayers may also use aggressive fluids (such as some acid solutions) if only compatible with the materials composing the device



Spraying of detergent
for washing engines



Spraying antioxidant, oil, diesel oil
on mechanical parts

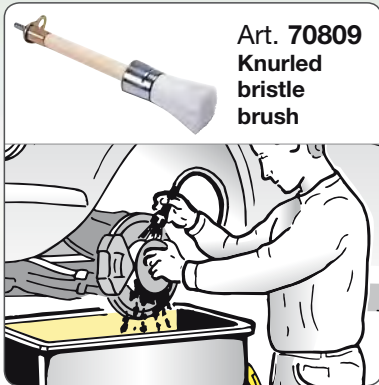


Washing tank

Universal washing tank for quick washing of mechanical parts and components in general.

The low-pressure pneumatic system enables:

- continuous liquid detergent flow with brush for thorough washing
- washing by dipping, with the parts dipped in the liquid detergent in the tank.



Art. 70809
Knurled
bristle
brush

Important: do not use corrosive liquids with flashpoint below 55°C, that can give off toxic and harmful fumes.
Use specific chemical products for washing mechanical parts, according to the instructions supplied by the manufacturer

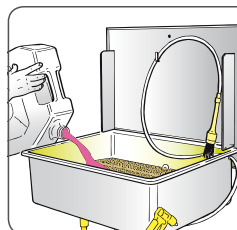


removable
cover

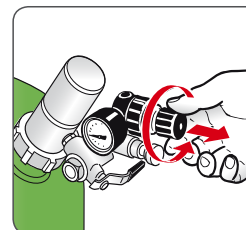
Article		70365
Tank capacity	litres	65
Washing tank capacity	litres	50
Max working pressure	bar	0,5
Required quantity of liquid	litres	50
Max blowing gun pressure	bar	12
Knurled bristle brush	Art.	70809
Packing	N° - m³	2 - 0,290
Weight	kg	47,1
Dimensions (A - B - C)	cm	51 - 67 - 107



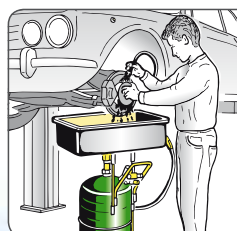
Details and advantages



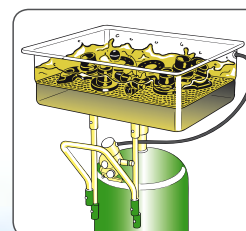
For correct use, add 48 - 52 litres of detergent liquid



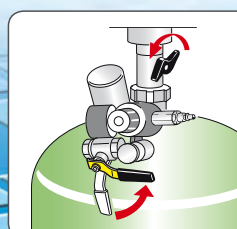
The pneumatic systems works at low pressure **0,5 bar**, consuming very little air



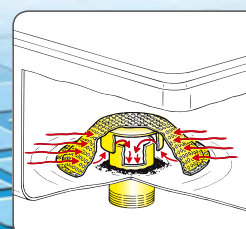
Washing with brush, with continuous liquid flow



Dip washing, with parts placed in the tank



Brush or dip wash management unit



Decanting filter/screen



Portable tyre inflator

automatic
charging

standard
charging

Type-approved tyre inflator for checking and restoring the pressure of any type of tyre.

13 litres tank is available with standard or automatic charger, whereas **24 litres** tank is available only with standard charger.

Tyre pressure checking and inflation operations are carried out with the gun equipped with pressure gauge ø 60 mm with scale 0 - 10 bar.



Article		52013	52015	53016	52024	53024
Tank capacity	litres	13	13	13	24	24
Max tank pressure	bar	10	10	10	8	8
Calibrated safety valve	bar	10	10	10	8	8
Manometer ø 50 tank pressure	bar	0 - 10	0 - 10	0 - 10	0 - 10	0 - 10
Max working pressure	bar	7	7	7	7	7
Manometer working pressure		0 - 10 bar supplied with the inflating group	0 - 10 bar supplied with the inflating gun	0 - 10 bar supplied with the inflating gun	0 - 10 bar supplied with the inflating gun	0 - 10 bar supplied with the inflating gun
Working temperature	°C	-20° +60°	-20° +60°	-20° +60°	-20° +60°	-20° +60°
Inflating hose length	m	1,2	1,2	1,2	1,2	1,2
Inflating gun		with twin air valve	standard	standard	standard	standard
Automatic charger	Art.	52020	-	-	-	-
Packing	N° - m³	1 - 0,088	1 - 0,088	1 - 0,088	1 - 0,090	1 - 0,090
Weight	kg	8,8	6,5	6,5	10	10
Dimensions (A - B - C)	cm	31 - 31 - 75	31 - 31 - 60	31 - 31 - 60	28 - 33 - 86	28 - 33 - 86

Note: type-approved for public use

Note: not type-approved for public use

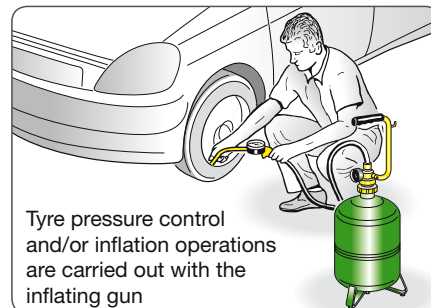
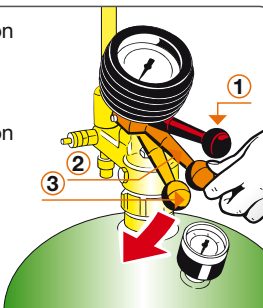
Note: not type-approved for public use



Details and advantages

The tyre inflation and deflating operations are done with single 3-position lever

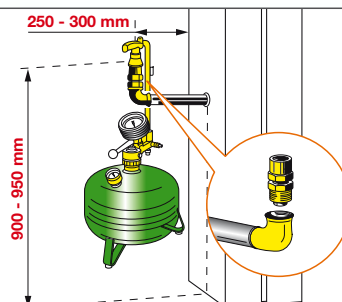
- ① idle
- ② deflation
- ③ inflation



Tyre pressure control and/or inflation operations are carried out with the inflating gun

INSTALLATION MEASURES for Art. 52013

In order to have the tyre inflator always ready for use, just place it on the automatic charger as shown in the illustration





The inflator hose reel

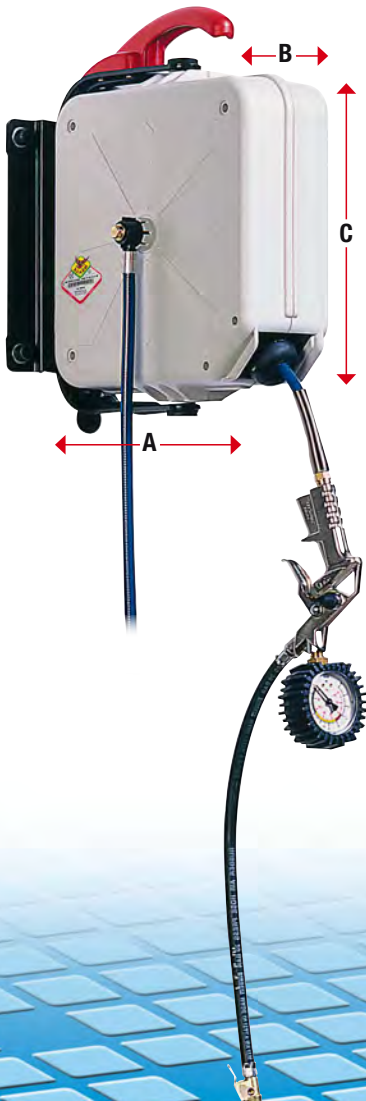
Inflation system with hose reel for checking and restoring the pressure of any type of tyre by means of the inflation gun equipped with pressure gauge ø 60 mm with scale 0 - 10 bar. Constant connection to the compressed air system makes the inflation system always ready for use. The hose reel is equipped with a system for quick hooking to the wall support to facilitate possible moving.



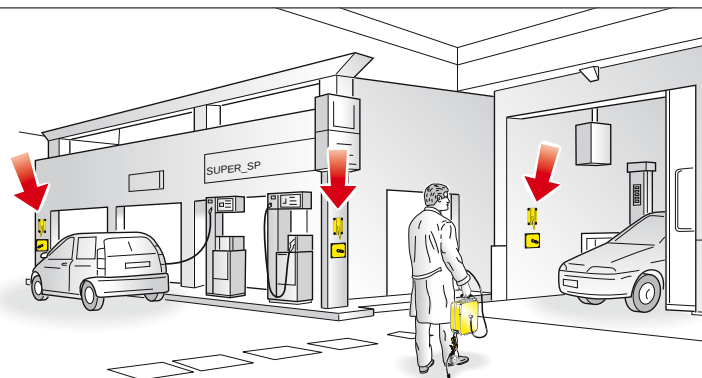
Art. 89001
Bayonet
hooking
support



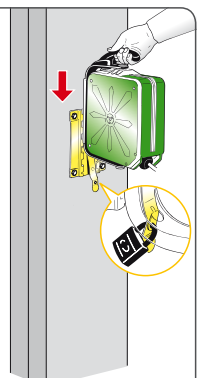
Article		52010
Length tube	m	11
Length tube connection	m	1,5
Diameter of tube	mm	8 x 12
Inlet connection thread		M 1/4" G
Max working pressure	bar	10
Manometer ø 60 working pressure	bar	0 - 10
Working temperature	°C	-20° +60°
Packing	N° - m ³	1 - 0,019
Weight	kg	6,8
Dimensions (A - B - C)		31 - 11,5 - 39



Details and advantages



Pic. 1



Pic. 2

Pic. 1 The inflation hose reel is provided with a **wall bracket** with automatic bayonet hooking (Art. 89001) enabling **very quick and easy** installation or shifting.

The ease of this operation enables - also for safety reasons - the hose reel to be put away in a closed place at the end of the working day.

Also, the application of a wall support for every service point, either inside or outside, facilitates quick shifting and application of the hose reel in the workstation required by the operator.

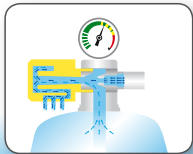
Pic. 2 To prevent removal or theft of the hose reel it can be locked with a bolt or padlock.



FLUIDS AND LUBRICATION EQUIPMENT



Waste oil suction-drainers



SUCTION POWER

page 42



PROBES AND ACCESSORIES

page 44



WHEEL-MOUNTED - PORTABLE SUCTION-DRAINERS

page 45



SUCTION-DRAINERS

page 46



UNIVERSAL PANTOGRAPH SUCTION-DRAINERS

page 48



GRAVITY DRAINERS

page 51



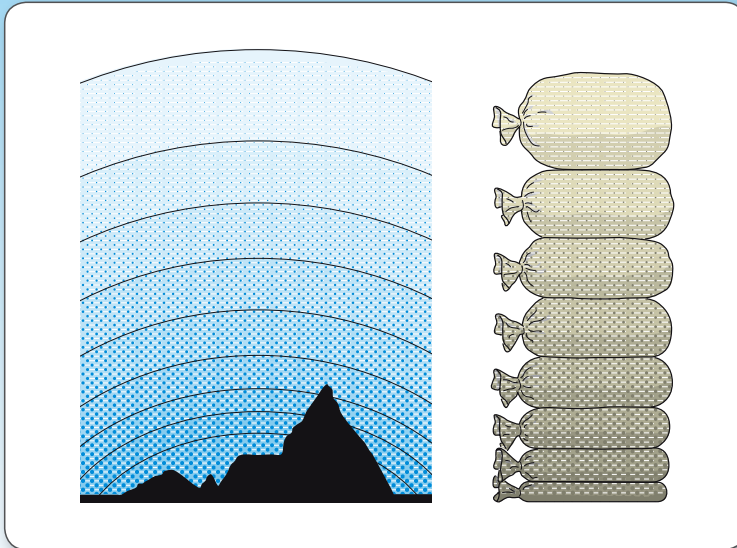
SUCTION DRAINER-DISPENSERS WITH AIR-OPERATED PUMP page 54



Suction power

To understand the concept of **suction power** it is important to remember the difference between **pressure** and **depression**.

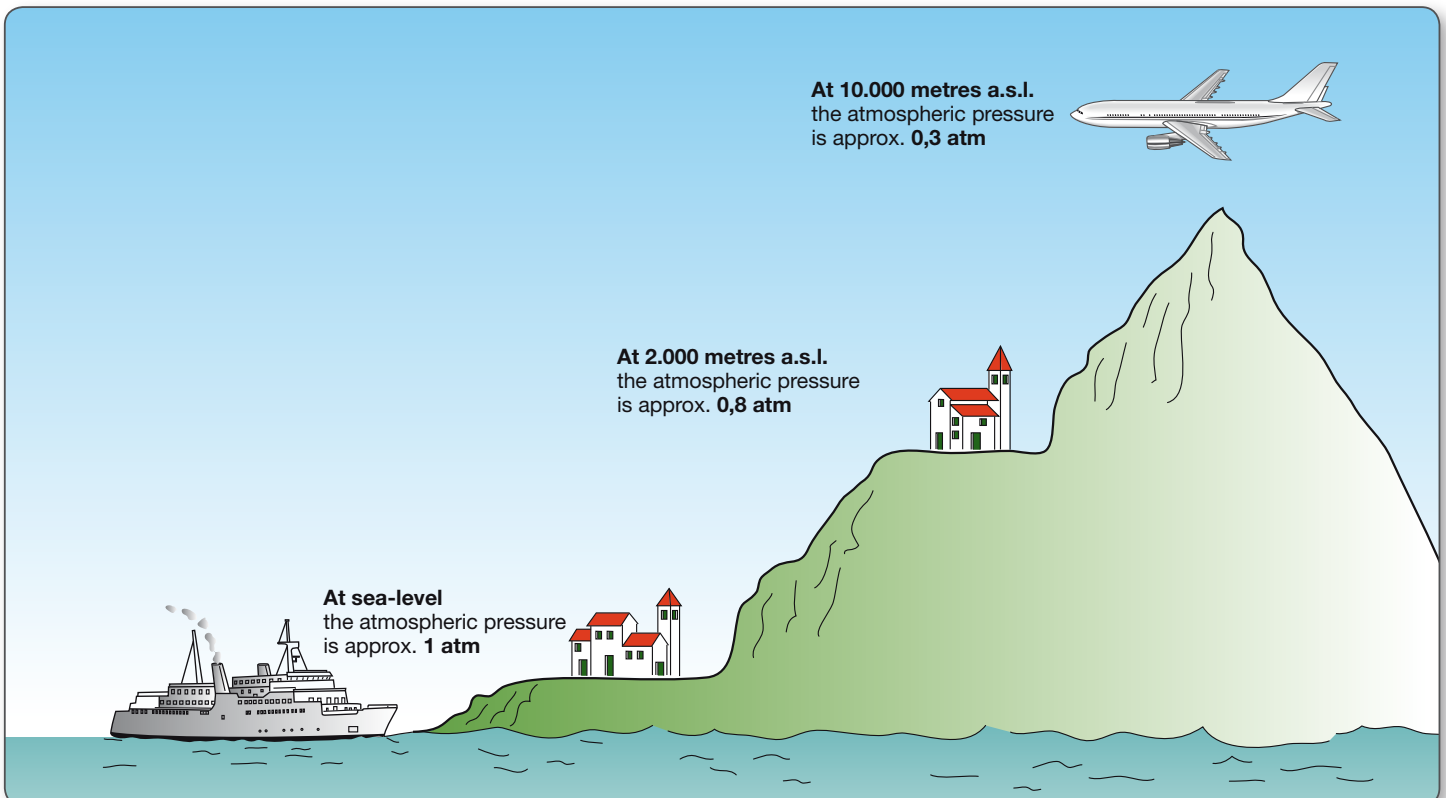
In this way the characteristics and advantages offered by the **oil drainer** will be clearly understood.



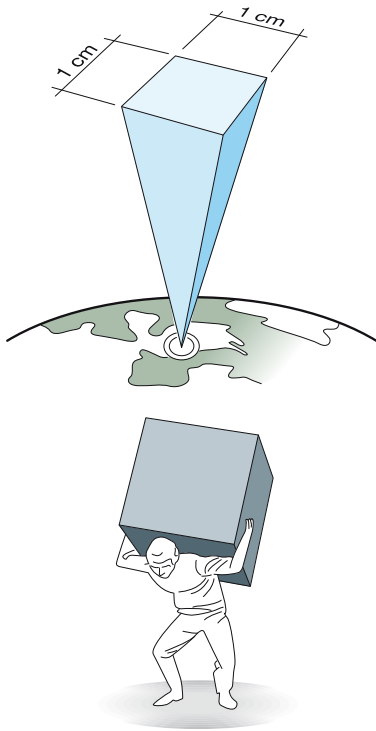
Pic. 1

Therefore, however, it is necessary to refer to the structure of the atmosphere that surrounds us and, above all, its barometric stratification and **compressibility**. Its lower layers, i.e. those nearest the ground, are more densely compressed than those higher up, precisely like what **happens with a pile of bags of compressible material**. (see Pic. 1).

The atmospheric pressure decreases as the altitude increases: at sea level it is 1 atm, at 2.000 metres a.s.l. it is approx. 0,8 atm, at 10.000 metres it falls to approx. 0,3 atm (see Pic. 2).



Pic. 2



In general, pressure is obtained by compressing any type of fluid inside a given container, until reaching the required values: 1 - 3 - 10 - 100 atm without limits, apart from those of the fluid container's structure and the power of the pump used.

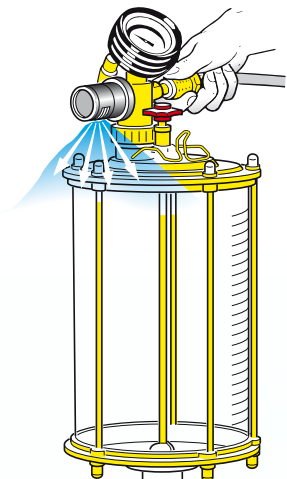
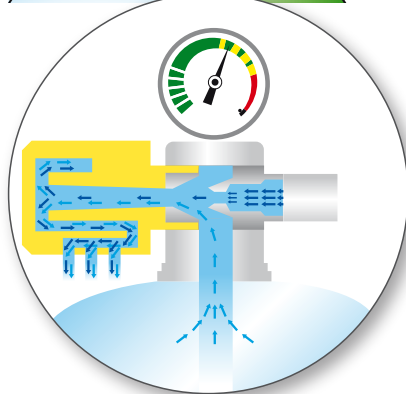
On the other hand, a **depression** or vacuum is obtained by removing all the air contained in a given recipient or tank, and the maximum value obtainable (vacuum or suction power) is independent of the pumping or suction system used. Whatever the pump used (**electric pump, air pump, Venturi principle, etc.**) the maximum depression (or suction power) obtained is equal to the atmospheric pressure outside the suction system.

In fact, this value cannot be exceeded because, obviously, it is not possible to remove from a container more air than what it contains.

Pump operation with Venturi principle

Connect a compressed air line (7 atm) to the special connection on the suction device. Obligated to pass through a special "MULTIPLIER NOZZLE" of the Venturi unit, the air considerably increases in speed, creating "EDDIES" that can **suck** and "**pump**" all the air contained in the suction device tank, thus creating a complete vacuum.

Therefore the suction force generated by the **Venturi principle** is equal to that obtained with any other air-operated and/or electric pump.



For correct depressurisation, the pressure of the air passing through the Venturi system must be between **6,5 and 7 bar**.

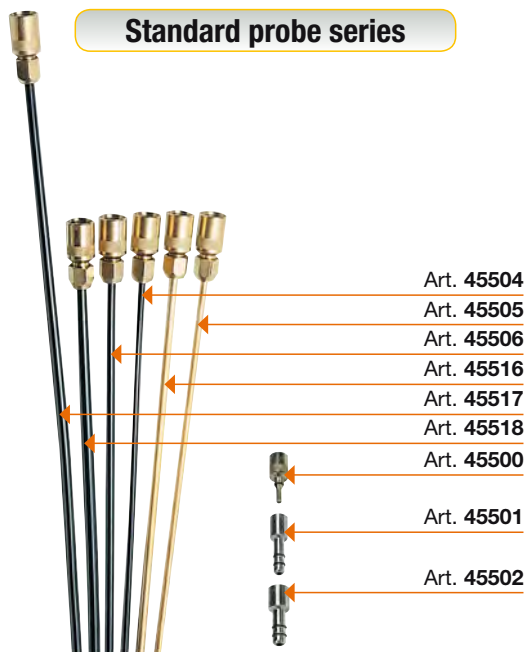




Flexible and metal probes - Special connections

All the drainers used for changing engine oil come with a series of standard metal and flexible probes in addition to connections for engines with incorporated probes.

Standard probe series



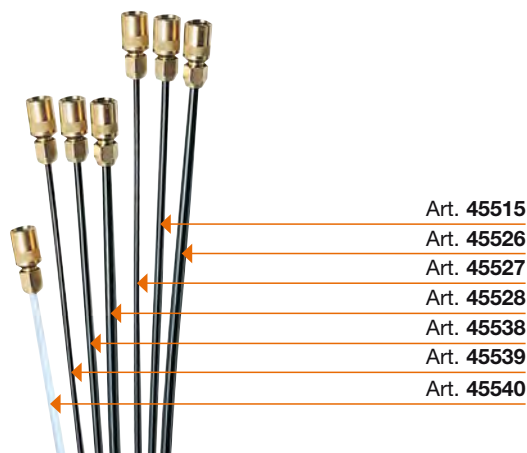
Art. 45504
Art. 45505
Art. 45506
Art. 45516
Art. 45517
Art. 45518
Art. 45500
Art. 45501
Art. 45502

Art. 45560 consisting of:

- Art. 45504 flexible probe $\varnothing$ 5 mm - length 700 mm
- Art. 45505 rigid probe $\varnothing$ 5 mm - length 700 mm
- Art. 45506 flexible probe $\varnothing$ 6 mm - length 700 mm
- Art. 45516 rigid probe $\varnothing$ 6 mm - length 700 mm
- Art. 45517 flexible probe $\varnothing$ 7 mm - length 1000 mm
- Art. 45518 flexible probe $\varnothing$ 8 mm - length 700 mm
- Art. 45500 connection for incorporated probes Volkswagen
- Art. 45501 connection for incorporated probes BMW
- Art. 45502 connection for incorporated probes Citroen

Note: the probes can be supplied separately

Probes supplied by request



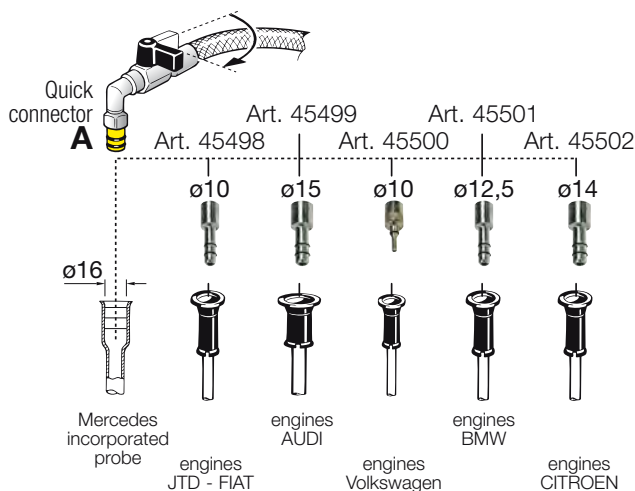
Art. 45515
Art. 45526
Art. 45527
Art. 45528
Art. 45538
Art. 45539
Art. 45540

Non-standard probes available by request. Specify for vehicles requiring a longer probe for draining the oil from the bottom of the sump.

- Art. 45515 flexible probe $\varnothing$ 5 mm - length 1000 mm
- Art. 45526 flexible probe $\varnothing$ 6 mm - length 1500 mm
- Art. 45527 flexible probe $\varnothing$ 7 mm - length 1500 mm
- Art. 45528 flexible probe $\varnothing$ 7 mm - length 2000 mm
- Art. 45538 flexible probe $\varnothing$ 8 mm - length 1500 mm for suction in trucks
- Art. 45539 flexible probe $\varnothing$ 8 mm - length 2000 mm
- Art. 45540 special flexible probe $\varnothing$ 12 mm - length 700 mm for quick suction.

Already supplied with the following articles:
Art. 45100 - 45110 - 45150 - 45180 - 45250 - 45280 - 43116 - 43190 - 42164 - 42215

Connectors for incorporated probes

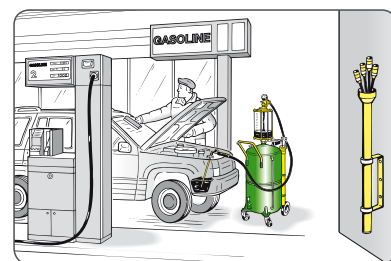


- for Mercedes cars connect the quick-release connector A of the oil drainer directly to the probe incorporated in the engine.
- for JTD Fiat Group cars: Art. 45498
- for Audi cars: Art. 45499
- for Volkswagen cars: Art. 45500
- for BMW cars: Art. 45501
- for Citroen cars: Art. 45502



Art. 45570

Wall-mounted probe kit, a handy container for the longest and less-used probes, useful for avoiding having to carry them with the drainer



Art. 45550

3/8" connection for outboard engines supplied with the drainers for boating

Art. 45551

3/4" connection for inboard engines supplied with the drainers for boating



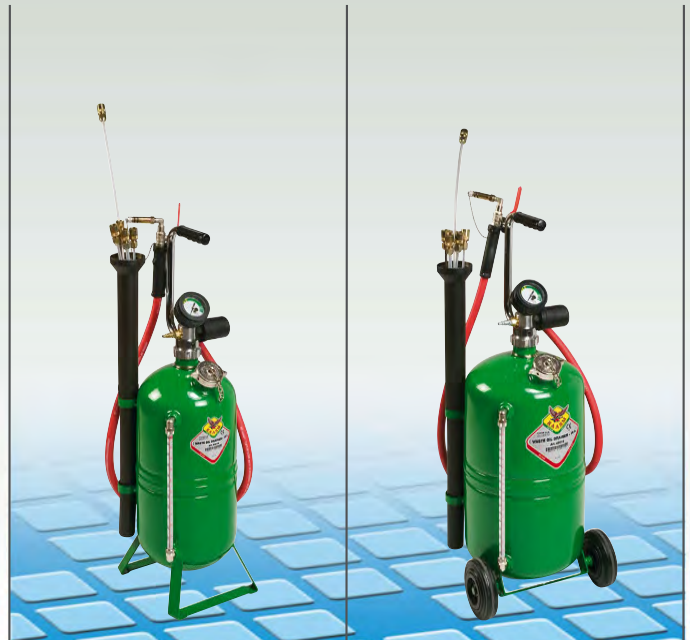
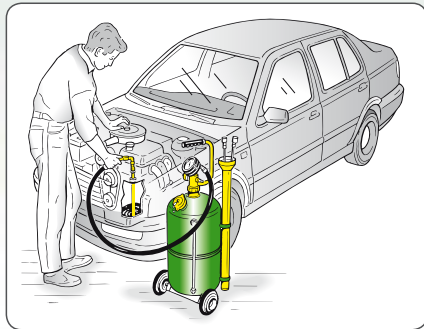


PORTABLE waste oil drainers

manual emptying

Air-operated drainers.

Ideal for quick engine oil change of any motor vehicle. The old oil is sucked from the engine by means of the probes supplied. After depressurisation the drainer works independently without requiring continuous connection to the compressed air system. **Suck hot oil at 70 - 80 °C.**

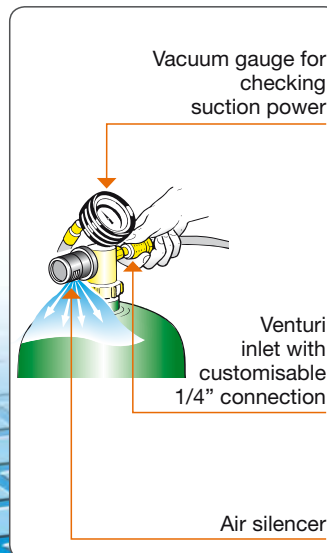


Article	portable	wheel-mounted
	43016	43024
Tank capacity	litres	litres
	16	24
Max draining capacity	litres	litres
	13	20
Air pressure for depressurisation	bar	bar
	6,5 - 7	6,5 - 7
Depressurisation time	min	min
	1	1 - 1,5
Noise level	dB	dB
	75	75
Suction speed	l/min	l/min
	1,5 - 2	1,5 - 2
Total suction capacity	litres	litres
	9 - 10	15 - 16
Suction hose	m	m
	2	2
Set of probes	Art.	Art.
	45560	45560
Packing	N° - m ³	N° - m ³
	1 - 0,080	1 - 0,090
Weight	kg	kg
	10,5	13,7
Dimensions (A - B - C)	cm	cm
	25,5 - 22,5 - 84,5	28 - 33 - 86

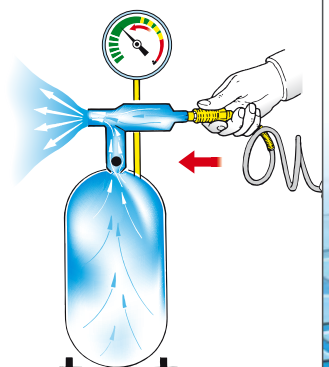
Caution: do not suck brake fluids, fuels, flammable or corrosive liquids



Details and advantages



For correct depressurisation, the pressure of the air passing through the Venturi system must be between **6,5 and 7 bar**

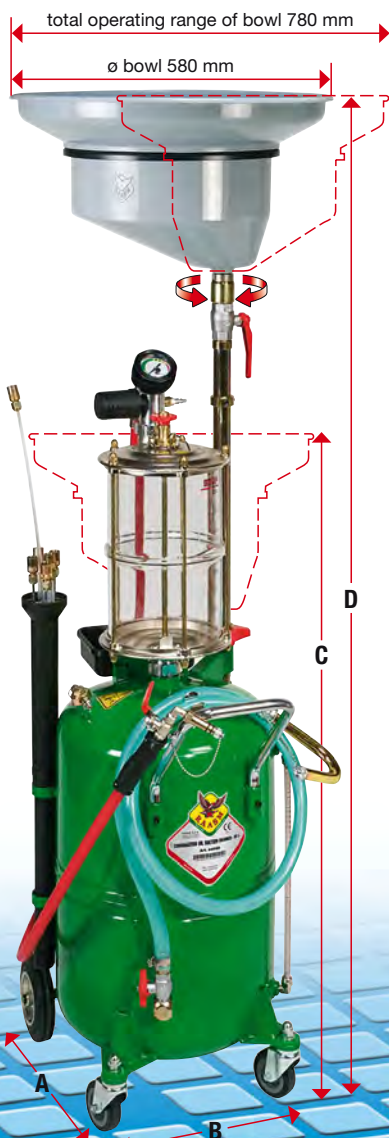
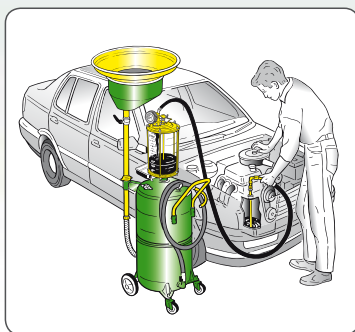
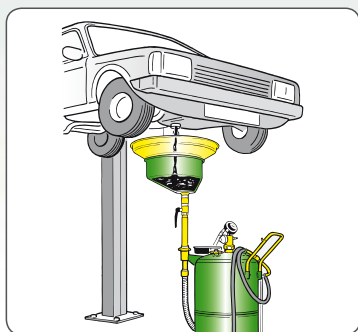




PROFESSIONAL waste oil suction-drainers

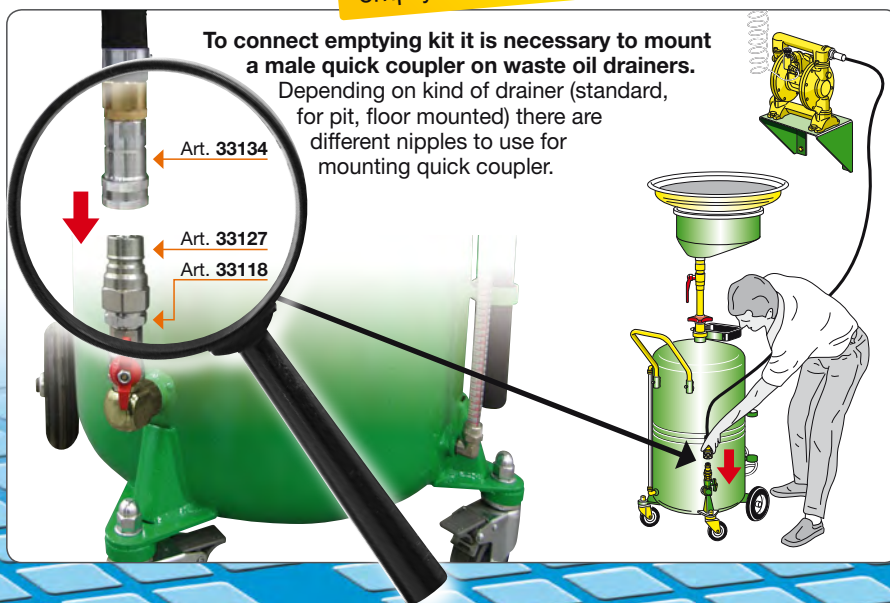
gravity-drainers

Gravity and air operated suction drainers. Ideal for quick engine oil change of any motor vehicle. Waste oil can be collected by gravity, using the bowl mounted on the adjustable support, or by suction through the supplied probes. After depressurisation the drainer works independently without requiring continuous connection to the compressed air system. **Suck hot oil at 70 - 80 °C.**



Article	central bowl			side bowl		
	42065	42090	42115	42066	42091	42116
Tank capacity	litres	65	90	115	65	90
Max draining capacity	litres	52	75	97	52	75
Prechamber capacity	litres	-	-	-	-	-
Bowl capacity	litres	15	15	15	15	15
Air pressure for depressurisation	bar	-	-	-	-	-
Depressurisation time	min	-	-	-	-	-
Noise level	dB	-	-	-	-	-
Suction speed	l/min	-	-	-	-	-
Total suction capacity	litres	-	-	-	-	-
Discharging/suction hose	m	draining 2	draining 2	draining 2	draining 2	draining 2
Max pressure for draining	bar	0,5	0,5	0,5	0,5	0,5
Set of probes	Art.	-	-	-	-	-
Packing	N° - m ³	2 - 0,270	2 - 0,300	2 - 0,420	2 - 0,270	2 - 0,300
Weight	kg	33	34	42	33	34
Dimensions (A - B - C)	cm	60-42-127	64-42-140	66-49-142	60-42-134	64-42-125
Ingombro max (D)	cm	178	190	192	175	173

To connect waste oil gravity and suction drainers to emptying kit see page 50



suction-drainers

combined drainers

standard			with prechamber			standard			with prechamber		
43060	43090	43114	43065	43091	43115	44060	44090	44115	44065	44091	44116
65	90	115	65	90	115	65	90	115	65	90	115
52	75	97	52	75	97	52	75	97	52	75	97
-	-	-	8	8	8	-	-	-	8	8	8
-	-	-	-	-	-	15	15	15	15	15	15
6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7	6,5 - 7
2	2,5 - 3	3 - 3,5	2	2,5 - 3	3 - 3,5	2	2,5 - 3	3 - 3,5	2	2,5 - 3	3 - 3,5
75	75	75	75	75	75	75	75	75	75	75	75
1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2
43 - 45	60 - 65	85 - 90	43 - 45	60 - 65	85 - 90	43 - 45	60 - 65	85 - 90	43 - 45	60 - 65	85 - 90
2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2	2/2
0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5	0,5
45560	45560	45560	45560	45560	45560	45560	45560	45560	45560	45560	45560
2 - 0,230	2 - 0,250	2 - 0,420	2 - 0,230	2 - 0,225	2 - 0,420	3 - 0,330	3 - 0,360	3 - 0,460	3 - 0,330	3 - 0,360	3 - 0,460
26,9	31,4	42	32,9	36	43	34,6	38,2	43	38,2	42,1	50
60-42-86	64-42-100	66-49-102	60-42-128	64-42-140	66-49-142	62-42-134	62-42-138	66-49-170	60-42-153	62-42-166	66-49-168
-	-	-	-	-	-	175	188	190	175	188	190

Caution: do not suck brake fluids, fuels, flammable or corrosive liquids

Details and advantages

Removable oversize funnel

Antispash screen

Adjustable bowl to increase operating range

Vacuum gauge for checking suction power

To activate air pressure must be **6,5/7 bar** (activation time from **2 to 3,5 min**)

Prechamber/ tank connection and oil draining cock

Transparent prechamber 8 litre with level indicator

2 m suction hose with probe connection.
Waste oil suction speed 1,5-2 l/min (oil 70°-80°C, with 6 mm probe)

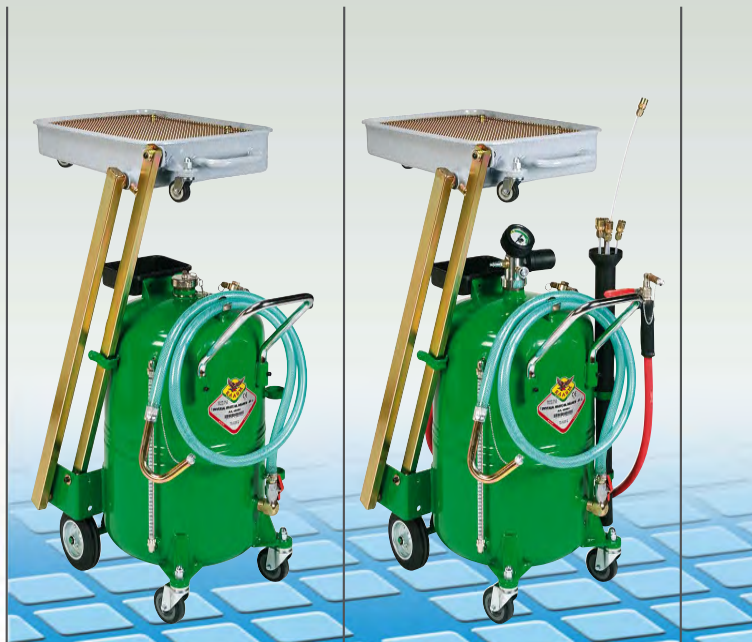
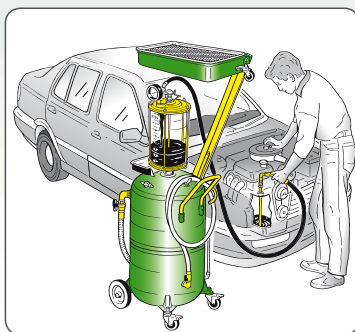
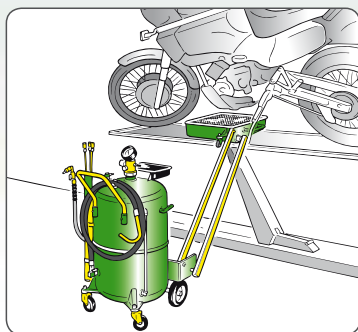
2 m hose for draining tank with air



PANTOGRAPH waste oil suction-drainers

moto and cars

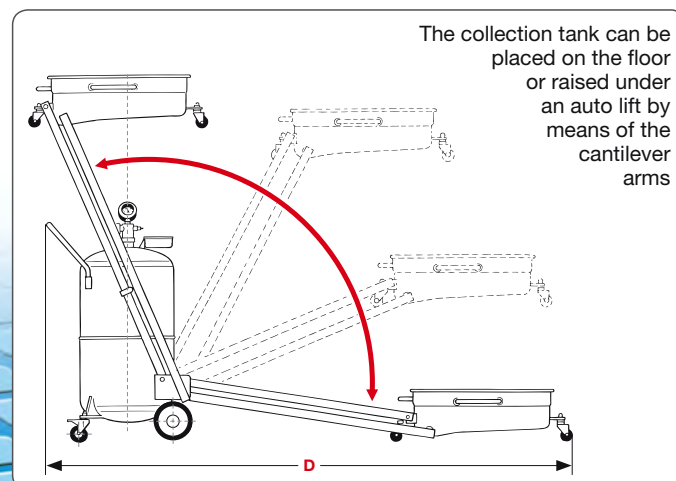
Air-operated combination suction-drainer (50 litre) with pantograph collection bowl and wheel-mounted 115 litre tank. Waste oil can be collected whether by gravity, using the recovering basin on the floor or in the upper position if vehicles are over car lift, or by suction through the supplied probes. After depressurisation the drainer works independently without requiring continuous connection to the compressed air system
Suck hot oil at 70 - 80 °C



Article		suction-drainers	combination
		46064	46065
Tank capacity	litres	65	65
Max draining capacity	litres	52	52
Prechamber capacity	litres	-	-
Bowl capacity	litres	14	14
Air pressure for depressurisation	bar	-	6,5 - 7
Depressurisation time	min	-	2
Noise level	dB	-	75
Suction speed	l/min	-	1,5 - 2
Total suction capacity	litres	-	43 - 45
Discharging/suction hose	m	2	2/2
Max pressure for draining	bar	0,5	0,5
Set of probes	Art.	-	45560
Packing	N° - m ³	3 - 0,247	4 - 0,310
Weight	kg	38,2	42,7
Dimensions (A - B - C)	cm	57 - 49 - 100	57 - 49 - 100
Max dimensions (D)	cm	200	200



Caution: do not suck brake fluids, fuels, flammable or corrosive liquids



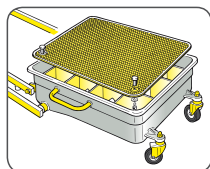
cars

trucks

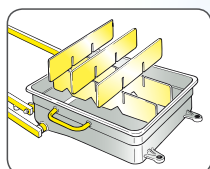


suction-drainers	combination	with prechamber	with collecting basin (50 litres)
46114	46115	46116	46215
115	115	115	115
97	97	97	97
-	-	8	-
14	14	14	50
-	6,5 - 7	6,5 - 7	6,5 - 7
-	3 - 3,5	3 - 3,5	3 - 3,5
-	75	75	75
-	1,5 - 2	1,5 - 2	1,5 - 2
-	85 - 90	85 - 90	85 - 90
2	2/2	2/2	2/2
0,5	0,5	0,5	0,5
-	45560	45560	45560
3 - 0,360	4 - 0,420	4 - 0,420	4 - 0,5
51	54	58	68
65 - 58 - 150	65 - 58 - 150	65 - 58 - 150	70 - 62 - 156
240	240	240	255

Details and advantages



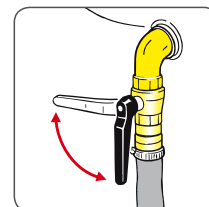
Protection screen/filter splash guard and support base for filter



Tank with antisplash



To empty the tank with device already depressurised, open the bowl/tank connection cock and in a few seconds the oil will be sucked in the tank

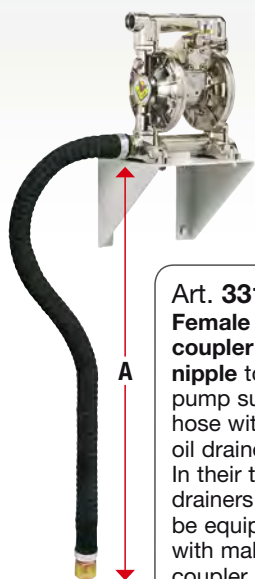


The air pressure for correct depressurisation is between **6,5 and 7 bar**



Modular kit for TRANSFER or EMPTYING oil, waste oil and similar

Wall-mounted transfer kit. A practical solution for draining movable equipment, waste oil suction/drainers by means of connection with quick-coupling valve. Wall application enables connection to a fixed system for discharging the sucked liquid directly into the storage tank.

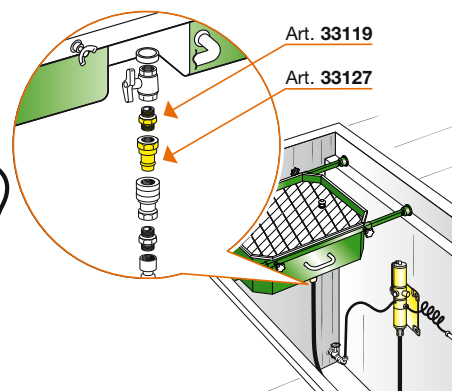


Art. 33134
Female quick coupler and nipple to connect pump suction hose with waste oil drainers. In their turn drainers must be equipped with male quick coupler.

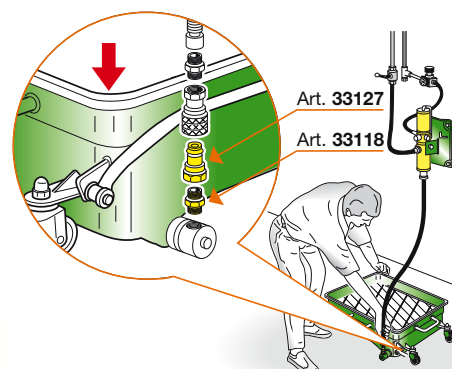


Aticle with seals in	VITON		33125
Aticle with seals in	NBR	33550	
Ratio		1:1	1:1
Capacity	l/min	40	23
Pump	Art.	33/2011NHHV2	33070
Flexible suction tube 2 m	Art.	38026	38026
Air inlet flow regulator	Art.	37803	37803
Wall bracket	Art.	33590	33115
Packing	N° - m³	1 - 0,030	1 - 0,029
Weight	Kg	14	8,4
Distance (A)	cm	150	150

1 Pit waste oil drainer



2 Floor waste oil drainer



3 Standard waste oil drainer

To connect waste oil drainers with above mentioned emptying kit it is necessary to mount a male quick coupler. Depending on the kind of waste oil drainers (standard, for pit or floor mounted) a different nipple must be used as shown in the examples (Pic. 1 - 2 - 3).



Art. 33134

Art. 33127

Art. 33118

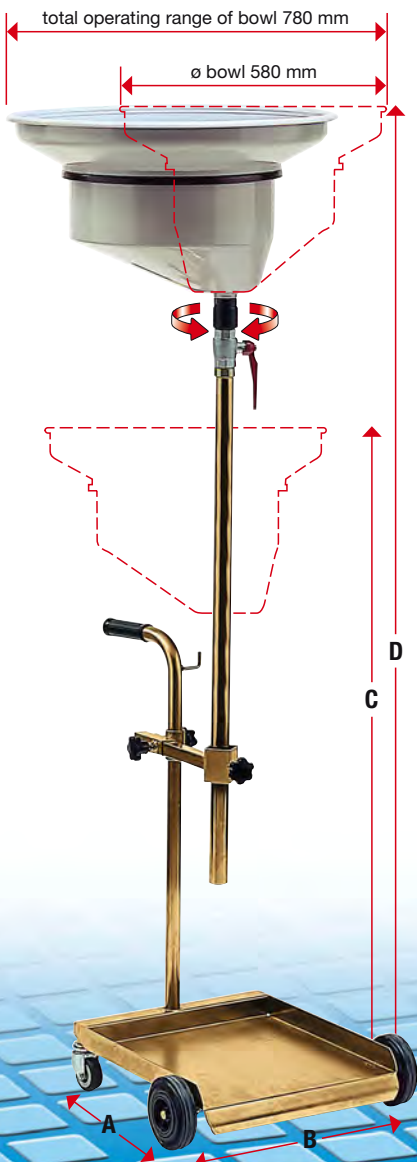
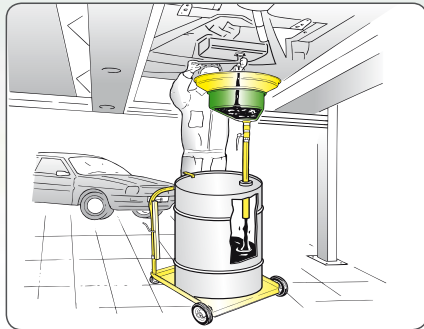


Waste oil drainers for DRUM

15 litre adjustable bowl

Wheel-mounted waste oil drainers. Ideal for use with jerry cans, drums and containers of various sizes, up to 220 kg. Suitable for gravity draining of engine, gearbox and differential oil from all motor vehicles placed on an car lift or pit.

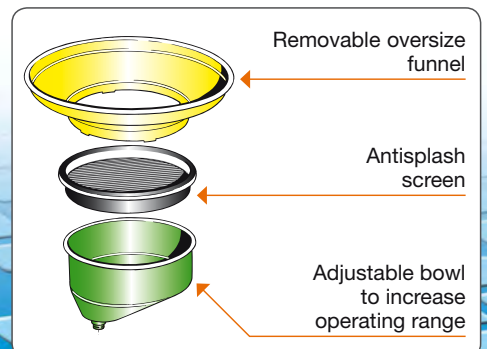
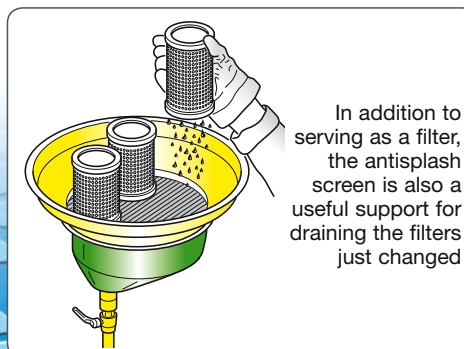
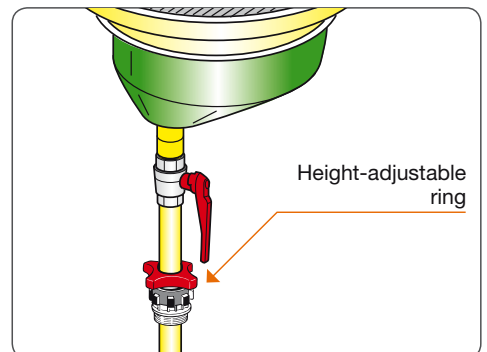
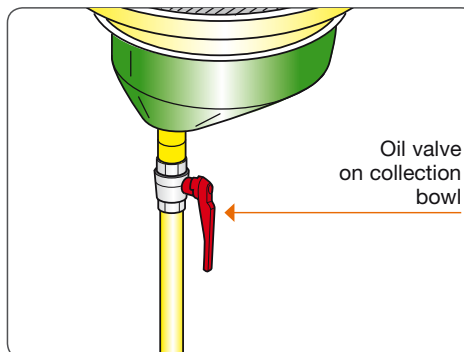
The height-adjustable **bowl** (15 litres) is mounted on a swivel joint that facilitates positioning.



		adjustable bowl	wheel-mounted	wheel-mounted
Article		42004	42050	42000
Trolley capacity	litres	-	20 - 60	180 - 220
trolley	Art.	-	80050	80200
Bowl capacity	litres	15	15	15
Antisplash screen		yes	yes	yes
Drum clamping ring		yes	yes	yes
Packing	N° - m³	1 - 0,350	2 - 0,120	2 - 0,150
Weight	kg	9	17	29
Dimensions (A - B - C)	cm	58 - 58 - 115	64 - 50 - 120	70 - 77 - 130
Max dimensions (D)	cm	115	180	180

Caution: do not use with flammable or corrosive liquids

Details and advantages

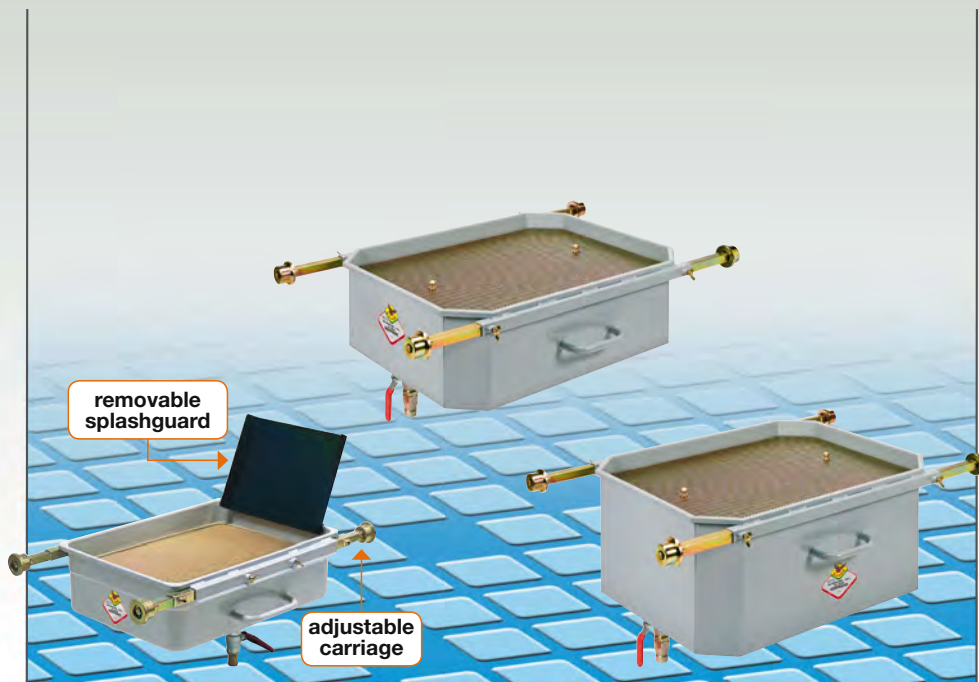
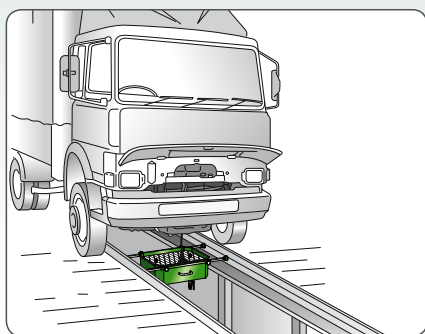




Waste oil pit drainer

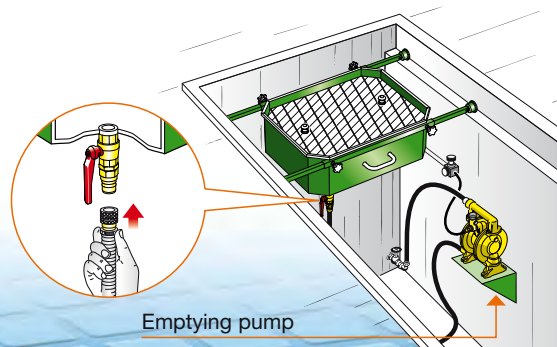
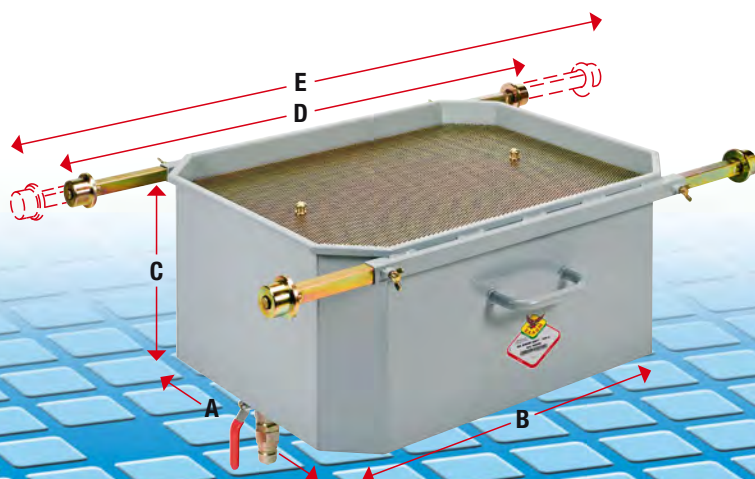
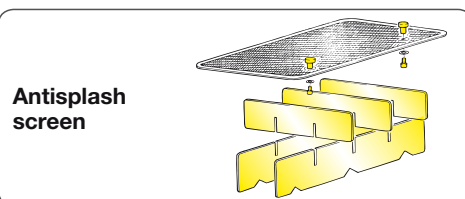
Pit waste oil drainers.

Suitable for gravity draining of engine, gearbox and differential oil from all motor vehicles placed on a pit. Equipped with antisplash screen which can be used as a support for draining oil filters.



Article	42059	42060	42061	42062	42055	42056
Tank capacity litres	65	65	110	110	150	150
Wheels	adjustable carriage	adjustable carriage	adjustable carriage	adjustable carriage	adjustable carriage	adjustable carriage
Emptying	by suction	by gravity	by suction	by gravity	by suction	by gravity
Equipped with	quick-release connector	hose-holder ø 30	quick-release connector	hose-holder ø 30	quick-release connector	hose-holder ø 30
Packing N° - m ³	1 - 0,140	1 - 0,140	1 - 0,220	1 - 0,220	1 - 0,270	1 - 0,270
Weight kg	27,5	28	39,5	40	53,5	54
Dimensions (A - B - C) cm	51 - 66 - 22	51 - 66 - 22	63,5 - 79 - 26,4	63,5 - 79 - 26,4	63,5 - 79 - 35,7	63,5 - 79 - 35,7
Dimensions (D - E) cm	75 - 120	75 - 120	84 - 125	84 - 125	84 - 125	84 - 125

Caution: do not use with flammable or corrosive liquids

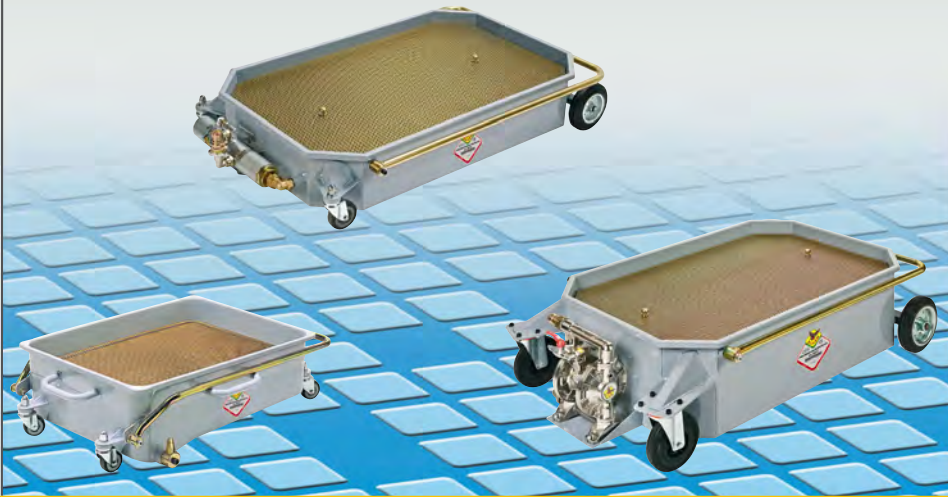


The drained oil can be transferred from the collection bowl to the storage tank by gravity or by using an emptying pump connected to the fixed system



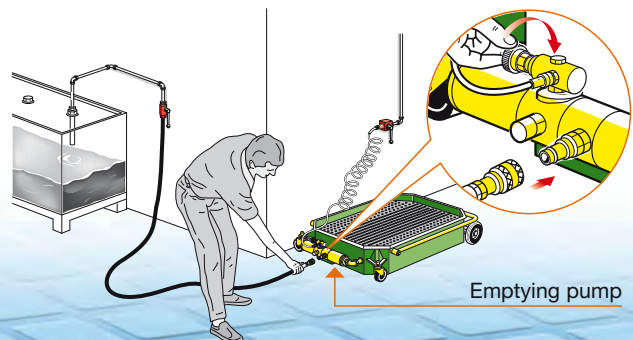
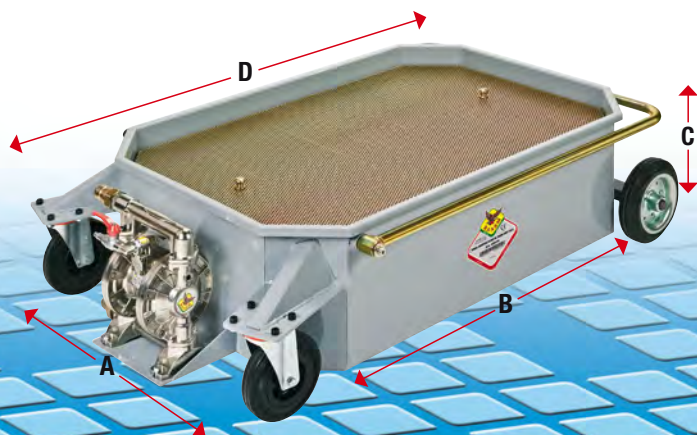
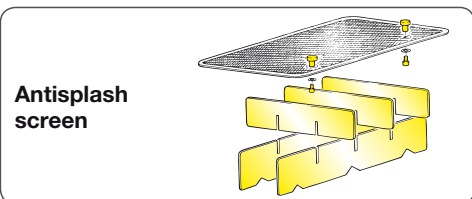
Waste oil floor drainer

Wheel-mounted floor waste oil drainers. Suitable for gravity draining of engine, gearbox and differential oil from all motor vehicles. Equipped with antisplash screen which can be used as a support for draining oil filters.



Article	42069	42070	42072	42073	42075	42076
Tank capacity litres	50	50	95	95	150	150
Wheels	4 castors	4 castors	2 castors + 2 fixed	2 castors + 2 fixed	2 castors + 2 fixed	2 castors + 2 fixed
Emptying	by suction	by suction	by suction	pneumatic	by suction	pneumatic
Equipped with	quick-release connector	junction tube	quick-release connector	pump 33070	quick-release connector	pump 33/2011NHHV2
Packing N° - m ³	1 - 0,140	1 - 0,140	1 - 0,200	1 - 0,200	1 - 0,330	1 - 0,330
Weight kg	20,5	21	37,5	40	53	61
Dimensions (A - B - C) cm	63 - 66 - 23,5	63 - 66 - 23,5	72,5 - 99 - 20	72,5 - 99 - 20	74,2 - 99,6 - 29,5	74,2 - 99,6 - 29,5
Dimensions (D - E) cm	78	78	119,9	119,9	123,8	123,8

Caution: do not use with flammable or corrosive liquids



The drained oil can be transferred from the collection bowl to the storage tank by suction with the incorporated probe or by an emptying pump connected to the fixed system or mounted directly on the collection basin



Suction drainer with pump

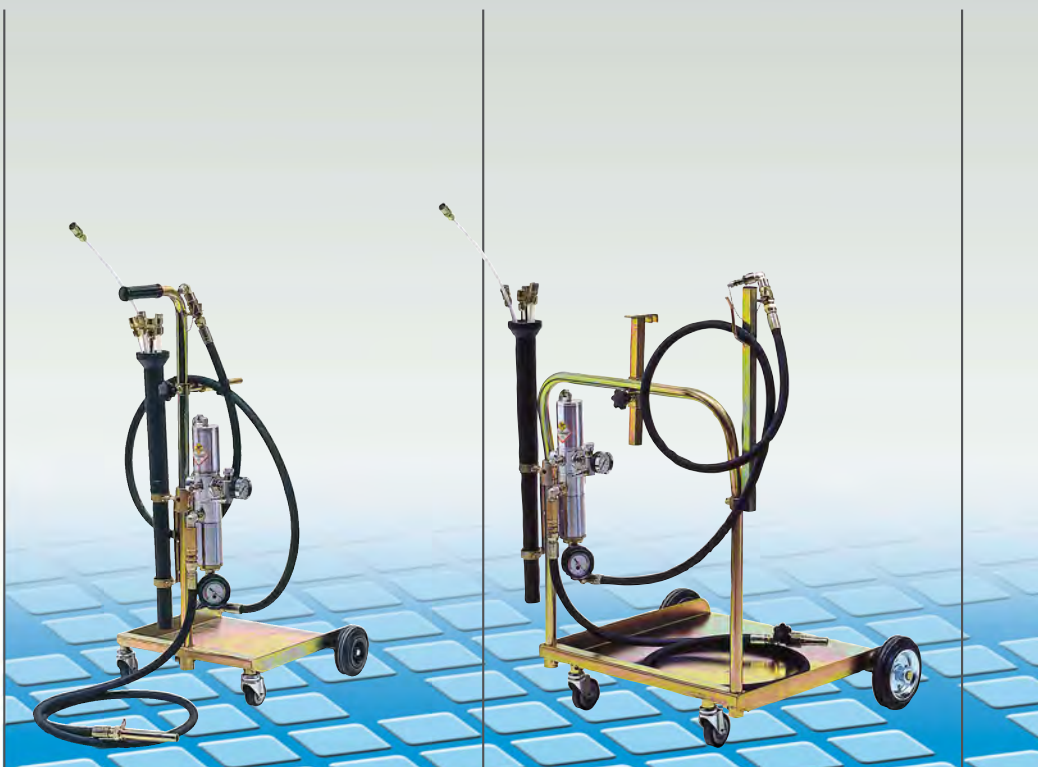
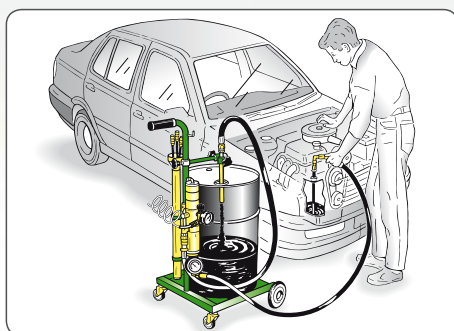
wheel-mounted

oil, waste oil, antifreeze liquid
and similar products

Air pump operated fixed drainers.

They enable **draining** by means of the probes supplied. The air pump, equipped with special VITON seals, is particularly suitable for sucking and delivering fluids such as: various oils, old oil, antifreeze liquid, diesel oil and similar products.

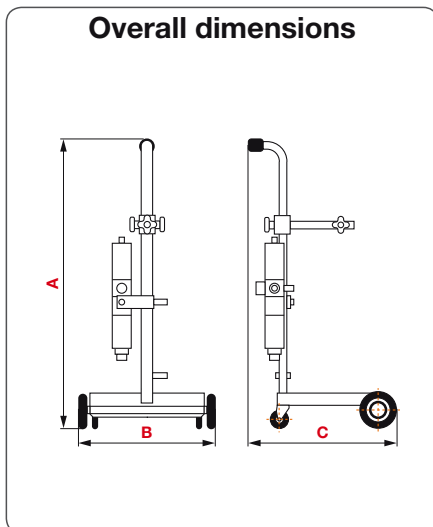
Wall-mounting enables connection to a fixed system for draining the sucked liquid directly in the storage tank.



Article		for drums 30 - 60 kg	for drums 180 - 220 kg
Pump	Art.	45150	45180
Max air pressure	bar	33070/A	33070/A
Noise level	dB	6	6
Suitable for drums	kg	81	81
Length of suction hose	m	30 - 60	180 - 220
Length of draining hose	m	1/2" x 2	1/2" x 2
Suction speed	l/min	1/2" x 2	1/2" x 2
Trolley	Art.	1,5 - 2	1,5 - 2
Column	Art.	80050	80200
Wall bracket	Art.	-	-
Wall-mounted probe kit	Art.	-	-
Hose reels	Art.	-	-
Set of probes	Art.	45560	45560
Special probe	Art.	45540 ø 12	45540 ø 12
Packing	N° - m³	2 - 0,080	2 - 0,113
Weight	kg	19,5	32,1
Dimensions (A - B - C)	cm	100 - 50 - 64	87 - 76 - 67

Caution: do not suck any flammable or corrosive liquids

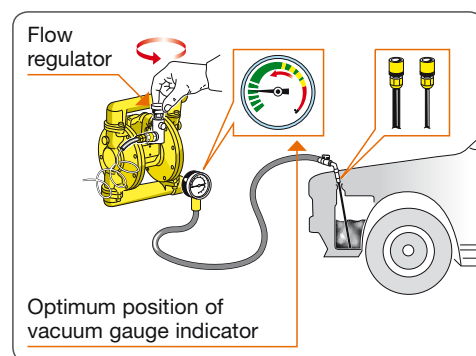
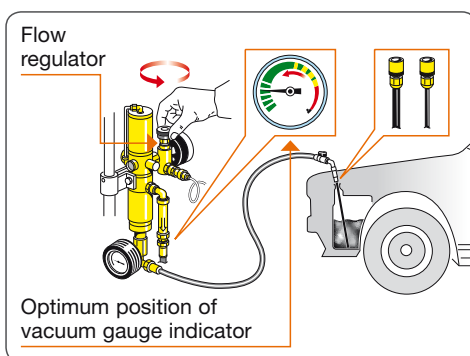
Overall dimensions



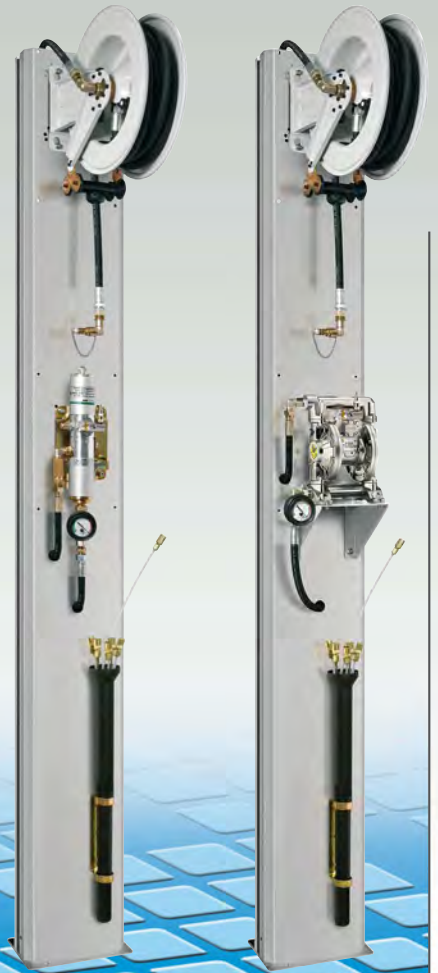
Details and advantages

For correct draining, the pump must operate slowly.

To adjust the working speed, operate the flow regulator, "metering" the inlet air feed.
Make sure the vacuum gauge indicator is always in the optimum position



wall-mounted



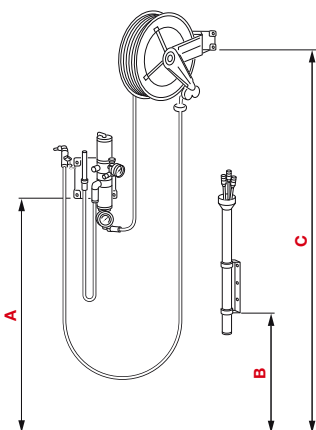
wall-mounted - suction hose **4 m**

wall-mounted - suction hose **10 m**

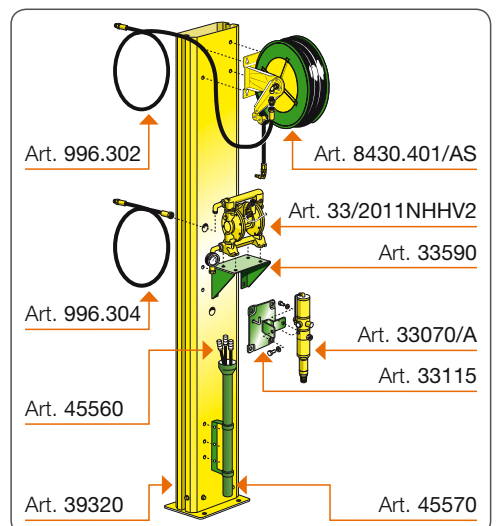
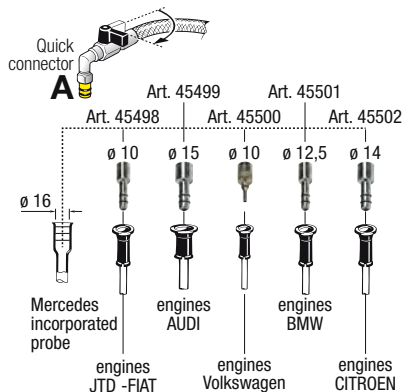
column-mounted - suction hose **10 m**

45100	45300	45110	45310	45111	45311
33070/A	33/2011NHHV2	33070/A	33/2011NHHV2	33070/A	33/2011NHHV2
6	6	6	6	6	6
81	75	81	75	81	75
wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted	wall-mounted
1/2" x 4	1/2" x 4	1/2" x 10	1/2" x 10	1/2" x 10	1/2" x 10
1/2" x 4	1/2" x 4	1/2" x 4	1/2" x 4	1/2" x 4	1/2" x 4
1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2	1,5 - 2
-	-	-	-	-	-
-	-	-	-	39320	39320
33115	33590	33115	33590	33115	33590
45570	45570	45570	45570	45570	45570
		8430.401/AS	8430.401/AS	8430.401/AS	8430.401/AS
45560	45560	45560	45560	45560	45560
45540 ø 12	45540 ø 12	45540 ø 12	45540 ø 12	45540 ø 12	45540 ø 12
1 - 0,056	2 - 0,070	2 - 0,116	3 - 0,130	3 - 0,250	4 - 0,260
12,2	14	29,1	31	75	77
130 - 60 - 220	130 - 60 - 220	130 - 60 - 220	130 - 60 - 220	245 - 29 - 59	245 - 29 - 59

Overall dimensions



Connectors for engines with incorporated probe for faster suction of the waste oil





Suction drainer-dispensers for fuels

IN ACCORDANCE
WITH DIRECTIVE:
ATEX 94/9



Wheel-mounted air-operated suction systems, for the management of fuels.

The air pump, equipped with special VITON seals, is suitable for **sucking petrol or diesel oil** from any vehicle or motorcycle by means of the probes or connections supplied. The wheel-mounted drainer with pump is easy to handle, versatile. The system is equipped with an earth connection for discharging electrostatic current.

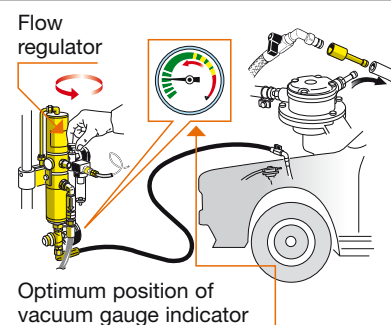


		wall-mounted	wheel mounted for drums 30 - 60 kg	wheel mounted for drums 180 - 220 kg
Article		45200	45250	45280
Pump suction	Art.	-	33070/A	33070/A
Max pressure air to pump	bar	4	4	4
Noise level	dB	81	81	81
Suitable for drums	kg	-	50 - 60	180 - 220
Lenght of suction hose	m	-	2	2
Lenght of draining hose	m	-	2	2
Suction speed	l/min	5 - 10	5 - 10	5 - 10
Trolley	Art.	-	80050	80200
Wall bracket	Art.	33115	-	-
Set of probes	Art.	-	probe ø 8 - probe ø 12	probe ø 8 - probe ø 12
Connections for tubes ø 6 - 8 - 10	Art.	-	45290 - 45291 - 45292	45290 - 45291 - 45292
Earth connection 3 m		yes	yes	yes
Packing	N° - m³	1 - 0,015	2 - 0,080	2 - 0,113
Weight	kg	6,2	19,5	32,1
Dimensions (A - B - C)	cm	13,6 - 6,5 - 36	50 - 50 - 100	76 - 67 - 87

Details and advantages

For correct draining, the pump must operate slowly.

To adjust the working speed, operate the flow regulator, "metering" the inlet air feed. Make sure the vacuum gauge indicator is always in the optimum position



Art. 45290
Connection for
tube ø 6



Art. 45291
Connection for
tube ø 8

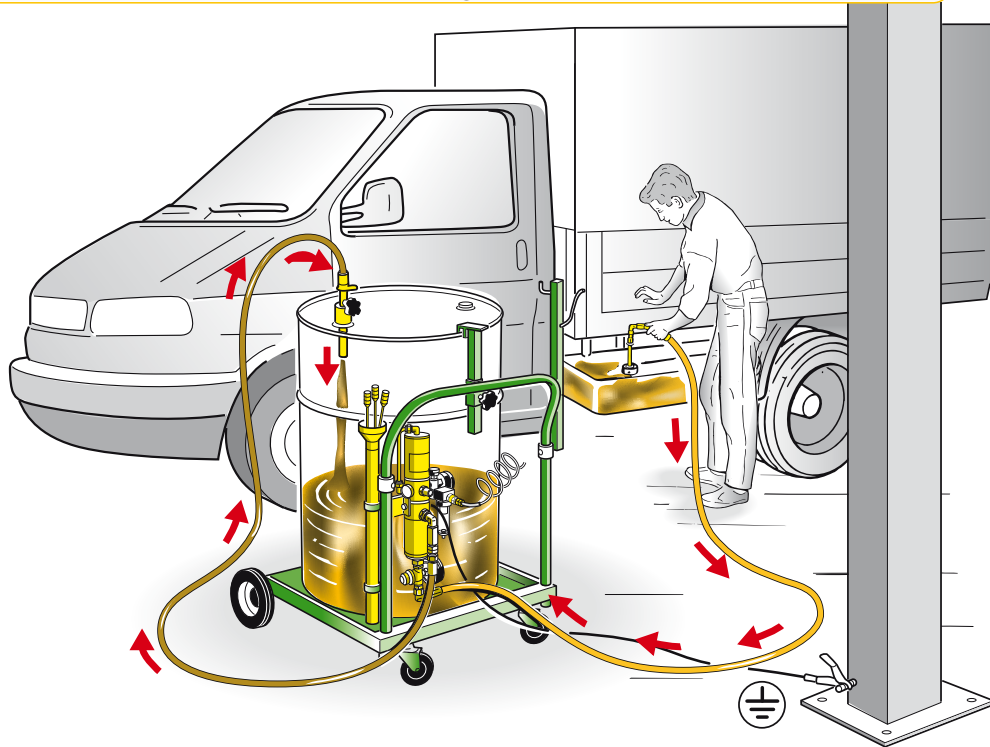


Art. 45292
Connection for
tube ø 10



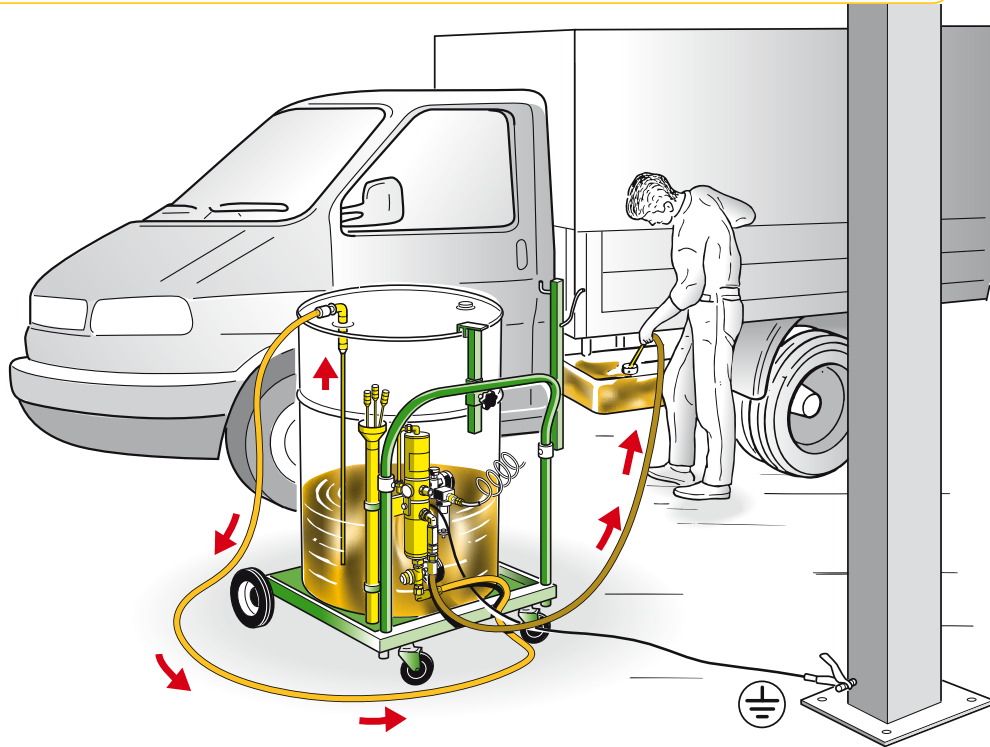
Dual use

Draining phase



Draining occurs by means of one of the probes supplied. For fuels use the $\varnothing$ 12 mm flexible probe.
Note: connect to earth before use

Delivery phase of previously sucked liquid



Delivery of sucked liquids occurs by reversing the position of the tubes. Insert the suction tube in the container of previously sucked liquid. Insert the draining tube in the container (or tank) just emptied.
Note: connect to earth before use



FLUIDS AND LUBRICATION EQUIPMENT



Manual pumps for oil and grease

3



MANUAL OIL PUMPS

page 60



MANUAL OIL DISPENSERS

page 62



13 KG MANUAL GREASE PUMPS

page 63



HAND-OPERATED HIGH PRESSURE GREASE PUMPS

page 64



HAND-OPERATED GREASE TRANSFER PUMPS

page 65

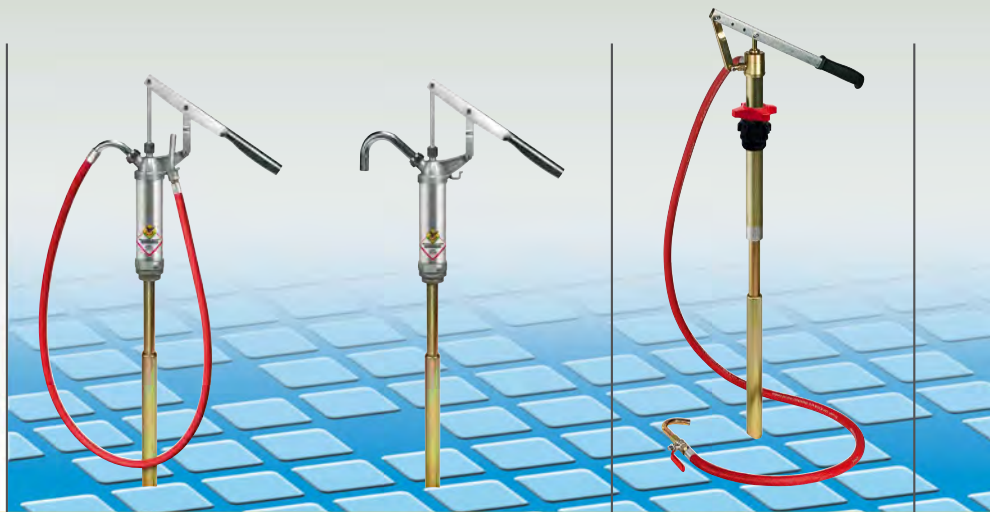


Manual pumps oil and similar

single-
acting

double-
acting

Manual pump for oil and allied products. Single-acting and VITON seals. Double-acting and NBR seals. The telescopic suction tube enables direct application on containers of different capacities. Suitable for delivering low-viscosity oil.



Article with seals in	VITON	31200	31201	
Article with seals in	NBR			30200
Tank capacity	litres	-	-	-
Suitable for drums	kg	50 - 220	50 - 220	50 - 220
Delivery hose length	m	2	-	2
Suction tube length	m	0,7 - 1,04	0,7 - 1,04	0,7 - 1,04
Quantity delivered for complete cycle of the lever	g	240	240	220
Max oil density delivered	SAE	130	130	240
Drum clamping ring	Art.	-	-	38044
Trolley	Art.	-	-	-
Antisplash funnel	Art.	-	-	-
Packing	N° - m³	1 - 0,016	1 - 0,016	1 - 0,016
Weight	kg	4,2	4,0	4,4
Dimensions (A - B - C)	cm	5,7 - 5,7 - 138	5,7 - 5,7 - 138	3,8 - 3,8 - 115

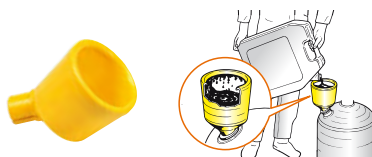
Caution: do not use with flammable or corrosive liquids



Art. 24891

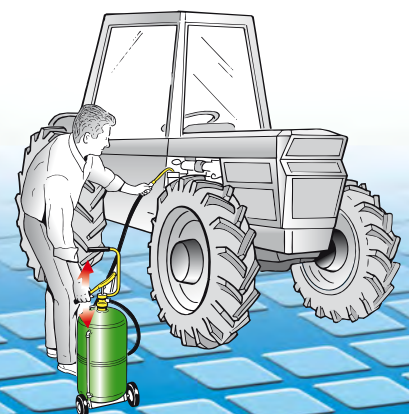
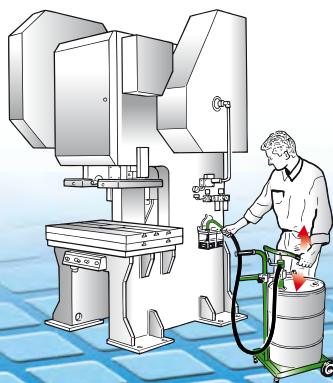
Antisplash funnel

With antisplash rim to prevent the liquid from spilling out when filling the tank



Art. 32713

Digital litre-counter
complete with
connection unions



double-acting

double-acting pump

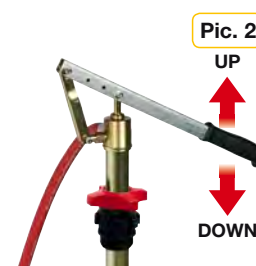


30050	32016	32024	32065
-	16	24	65
30 - 60	-	-	-
2	2	2	2
0,7 - 1,04	-	-	-
220	220	220	220
240	240	240	240
38044	-	-	-
80050	-	-	-
-	24891	24891	24891
2 - 0,040	1 - 0,080	1 - 0,090	2 - 0,185
13,6	10,6	13,7	24
46 - 50 - 123	25,5 - 22,5 - 86	28 - 33 - 89	60 - 42 - 88

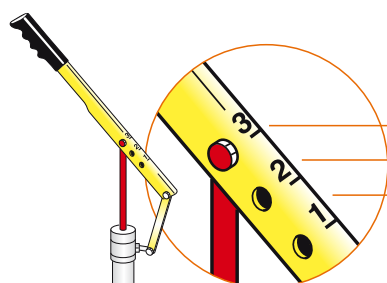
Single-action (Pic. 1) occurs when the pumping piston delivers the fluid only in the pumping lever downstroke



Double-action (Pic. 2) occurs when the pumping piston delivers the fluid in its upstroke and downstroke. Double-action delivers the fluid with a continuous and constant flow



Lever hooking variation table



Hooking position	Pumping shaft stroke	Compression ratio obtainable	Delivery capacity with complete cycle	Indication of types of oil that can be delivered according to the lever position
n°3	127 mm	1 : 2,2	220 g	SAE W 80/90
n°2	100 mm	1 : 3,6	170 g	SAE W 85/140
n°1	60 mm	1 : 6,9	100 g	SAE 240

The position of lever pivot can be varied (3 hookings) to adapt the pumping force to the viscosity of the oil used



Air-operated oil dispensers

portable

wheel-mounted

Air-operated oil dispensers

suitable for high-viscosity oil.

Filled with oil to 4/5 their capacity and pressurised to 6 - 8 bar, they work independently without requiring connection to the compressed air system.

The air-operated oil dispensers are ideal for filling or topping-up engine, gearbox, differential, hydraulic power pack, reduction unit oil, etc.



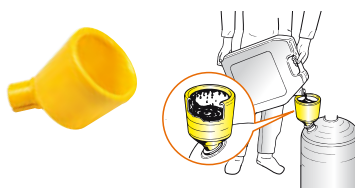
Article		33016	33024
Tank capacity	litres	16	24
Working pressure	bar	6 - 8	6 - 8
Safety valve	bar	10	8
Delivery hose length	m	2	2
Gun hose length	m	0,27	0,27
Max oil density delivered	SAE	130	130
Antisplash funnel	Art.	24891	24891
Packing	N° - m³	1 - 0,080	1 - 0,090
Weight	kg	9,9	13,1
Dimensions (A - B - C)	cm	25,5 - 22,5 - 86	28 - 33 - 89

Caution: do not use with flammable or corrosive liquids

Art. 24891

Antisplash funnel.

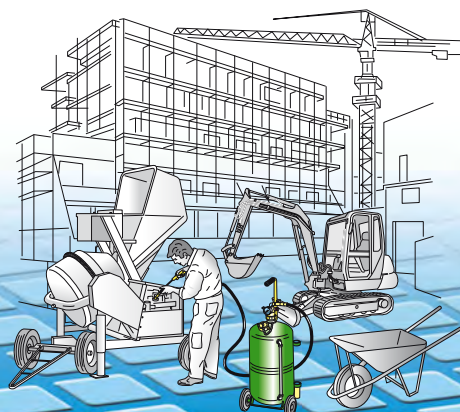
With antisplash rim to prevent the liquid from spilling out when filling the tank



Art. 32713

Digital litre-counter kit with partial and cumulative reading, complete with connection unions.

Application between the pump and delivery hose allows the quantity of oil delivered to be controlled





Portable grease dispenser

manual

air operated

Portable and wheel-mounted or air operated manual grease pumps. Practical and functional, they can be used in all workplaces and enable quick, high-pressure greasing on any motor vehicle or mechanism.

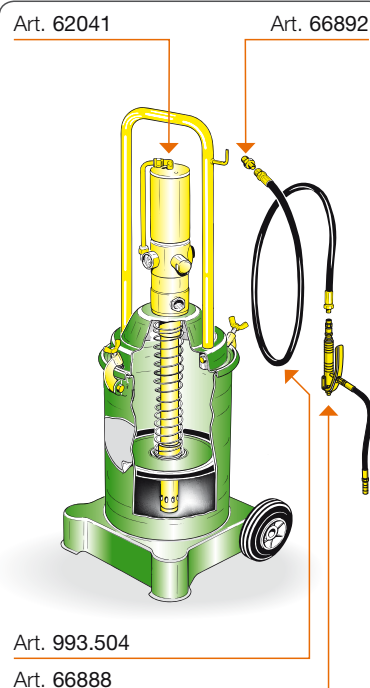
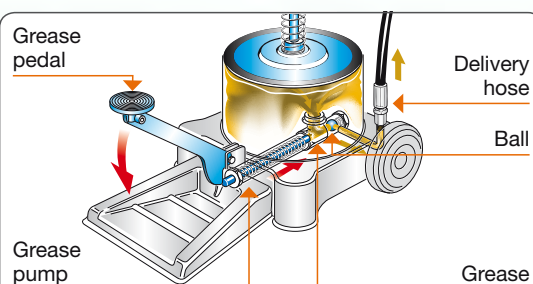
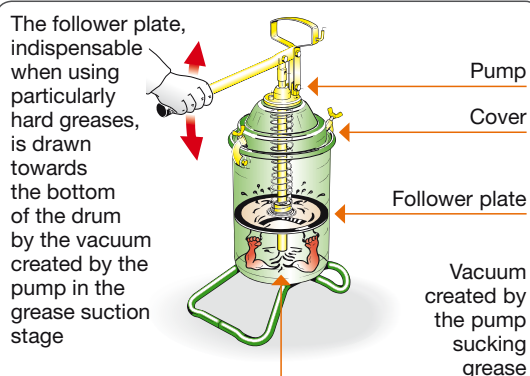
They are equipped with a grease follower plate that protects the lubricant and ensures positive priming.



Article		68012	68113	68213
Tank capacity	kg	13	13	13
Delivery hose length	m	2,5 - 1/4"	2,5 - 1/4"	4 - 1/4"
Delivery hose	Art.	KR6802	KR6802	993.504
Max outlet pressure	bar	350/400	300/350	350/400
Capacity every 10 cycles of lever Pump	g	60	40	-
	Art.	-	-	62041
Compression ratio		-	-	50:1
Noise level	dB	-	-	81
Max working pressure	bar	-	-	8
Max air consumption	l/min	-	-	330
Capacity (free outlet 6 bar self-levelling grease at 20° C)	g/min	-	-	1000
Grease follower plate	Art.	yes	yes	yes
Grease coupler	Art.	66739	66739	66740
Nipple	Art.	-	-	66892
Grease gun	Art.	-	-	66888
Packing	N° - m ³	1 - 0,070	1 - 0,070	1 - 0,100
Weight	kg	10,4	14	16,7
Dimensions (A - B - C)	cm	34 - 24,5 - 71	52 - 34 - 84	30 - 34 - 84



Details and advantages

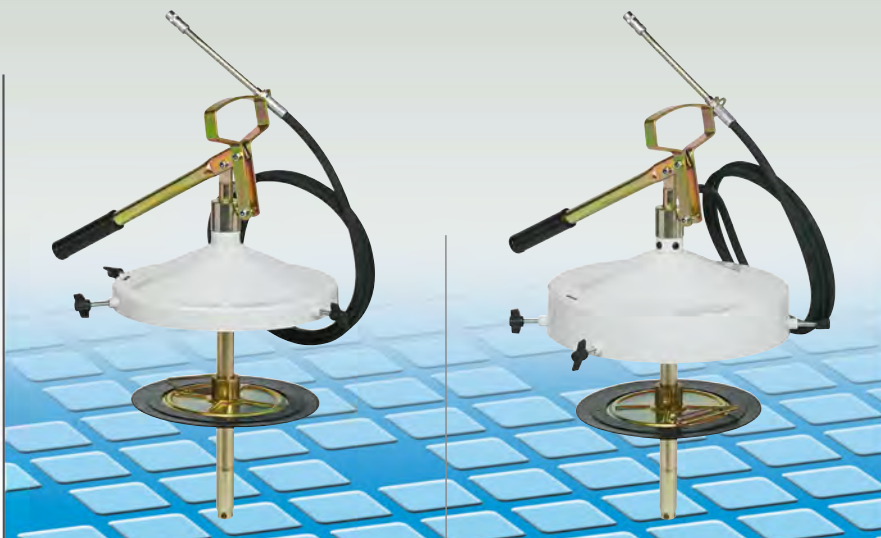




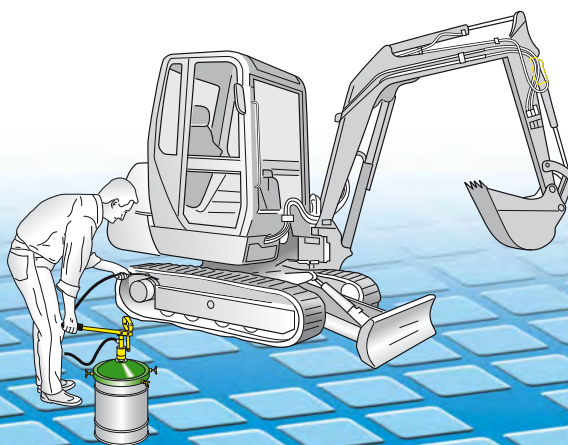
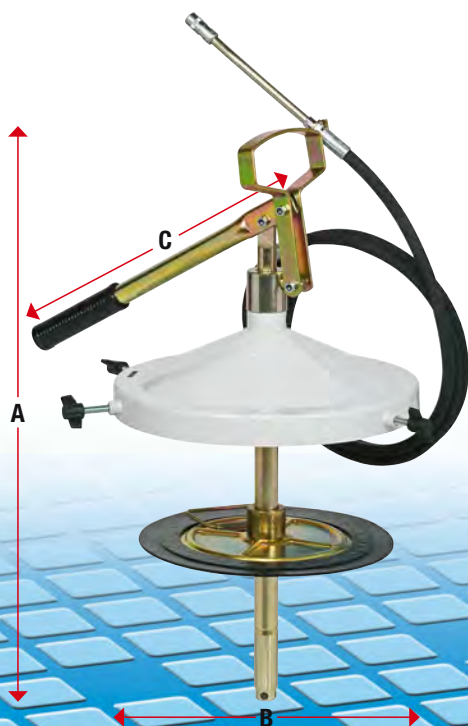
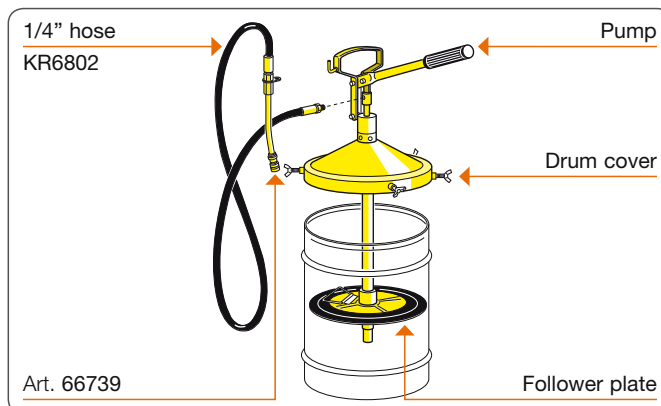
Manual grease pumps

high pressure **350 bar**

Portable lever-operated manual grease pumps. Practical and functional, they can be used in all workplaces, and in particular on rough ground such as in farming or building sites. They enable easy change of the grease container (drum or bucket) and quick greasing on any motor vehicle or mechanism. They are equipped with a grease follower plate that protects the lubricant and ensures positive priming.



Article		60280	60310	60311
Suitable for drums	kg	12 - 20	16 - 30	16 - 30
		from 240 to 280	from 260 to 300	from 270 to 330
For drums with external ø	mm			
Delivery hose length	m	2,5 - 1/4"	2,5 - 1/4"	2,5 - 1/4"
Max outlet pressure	bar	350/400	350/400	350/400
Capacity every 10 cycles of lever	g	60	60	60
Drum cover ø	mm	280	310	337
Grease follower plate ø	mm	265	310	310
Grease coupler	Art.	66739	66739	66739
Packing	N° - m³	1 - 0,022	1 - 0,022	1 - 0,036
Weight	kg	5,4	6,5	7,2
Dimensions (A - B - C)	cm	63 - 28 - 35	63 - 31 - 35	63 - 33,7 - 35



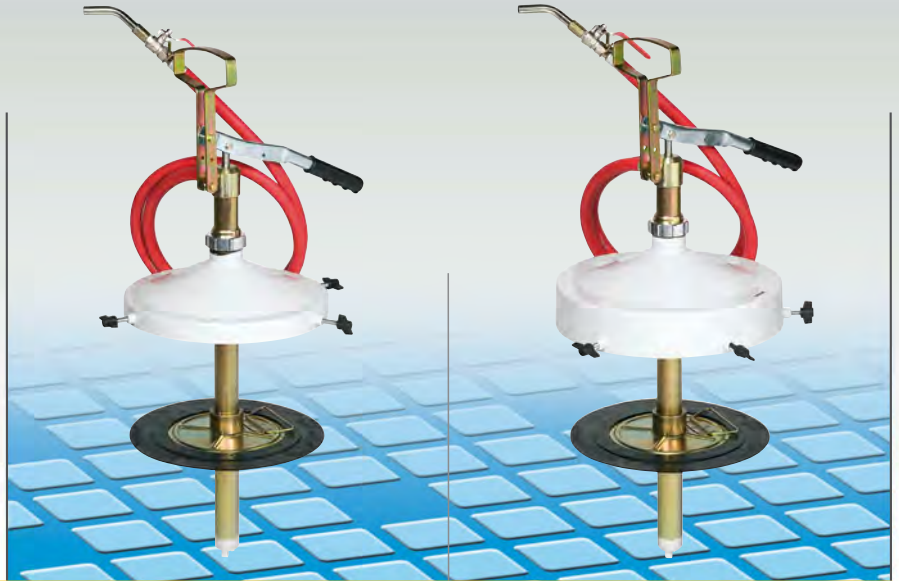


Manual grease pumps

low pressure transferring **20 bar**

Portable manual lever-operated grease transfer pumps.

Each cycle of the lever delivers 50 g of grease. Practical and handy, they are used for filling gearcases, casings, hand-operated grease guns. They enable easy changing of the grease container (drums or bucket) and are equipped with a grease follower plate that protects the lubricant and ensures positive priming.



Article		60410	60411
Suitable for drums	kg	16 - 30	16 - 30
		from 260 to 300	from 270 to 330
For drums with external ø	mm		
Delivery hose length	m	2 - 1/2"	2 - 1/2"
Max outlet pressure	bar	18/20	18/20
Capacity every 10 cycles of lever	g	500	500
Drum cover ø	mm	310	337
Grease follower plate ø	mm	310	310
Packing	N° - m ³	1 - 0,030	1 - 0,040
Weight	kg	6	6,7
Dimensions (A - B - C)	cm	78 - 31 - 35	78 - 33,7 - 35

Art. 60450

Female quick connector
complete with check valve,
1/4" F thread for filling central
greasing system.
Max pressure 350 bar

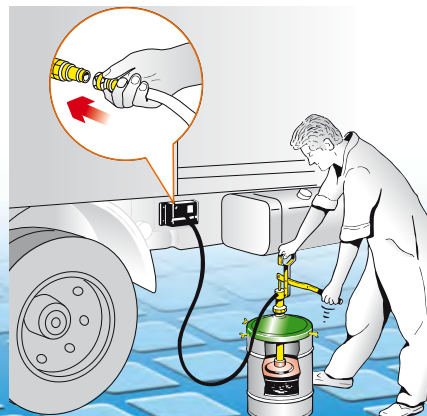
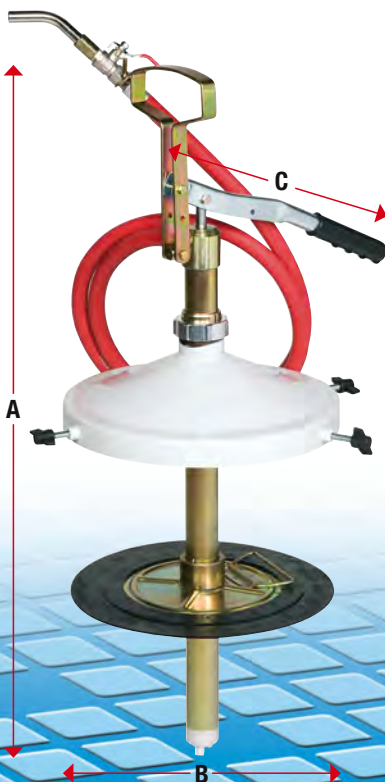
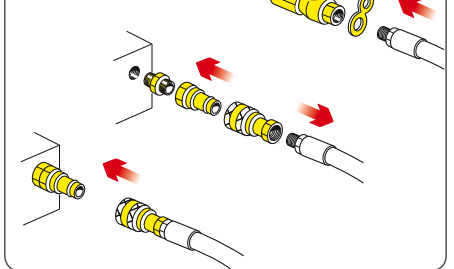


Art. 60451

Male quick connector
complete with check valve,
1/4" F thread for filling central
greasing system.
Max pressure 350 bar



Quick connect coupling



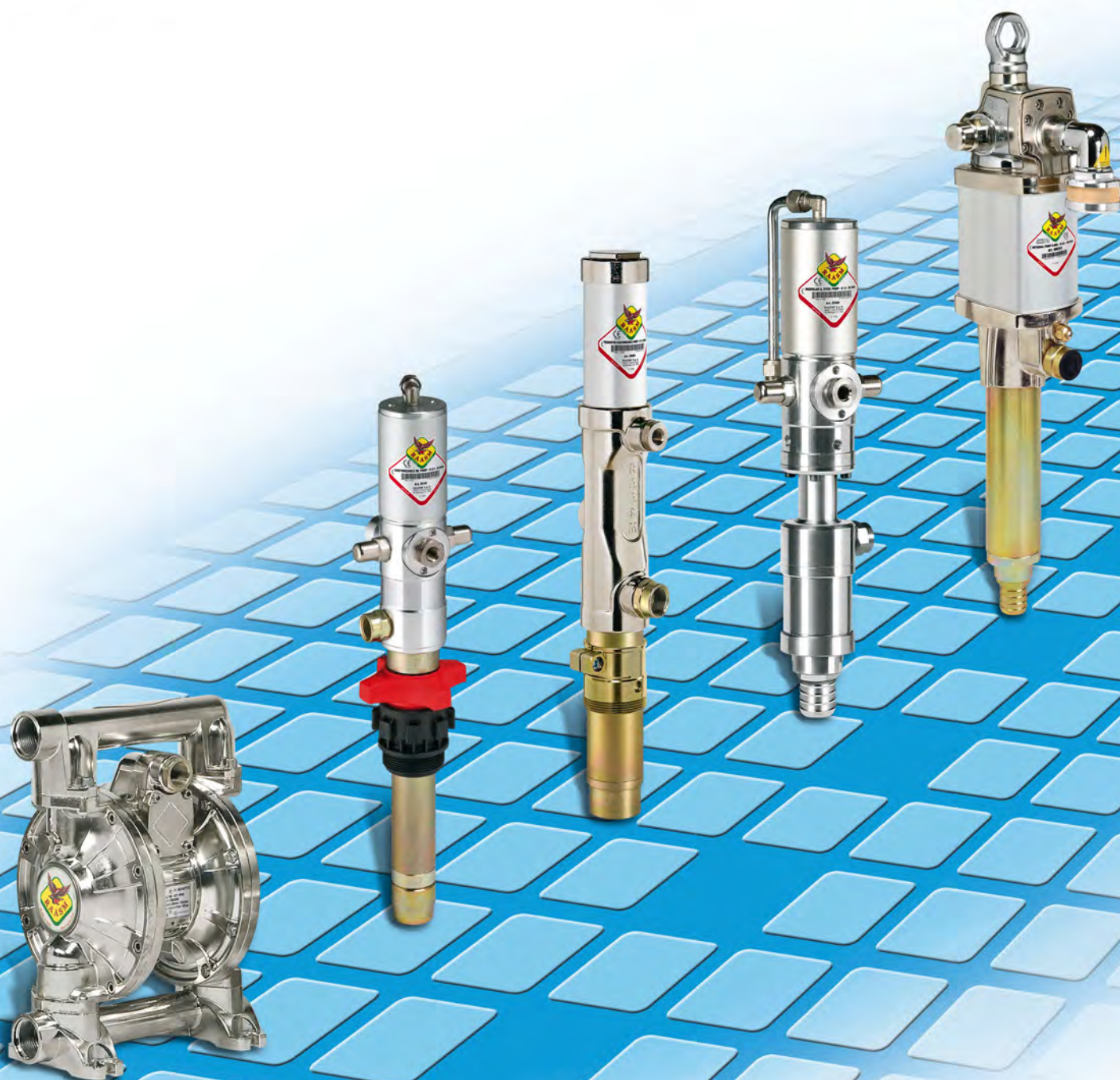
Filling central greasing system



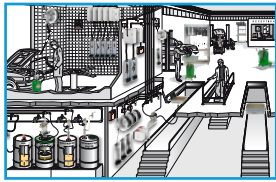
Transfer in small drums



FLUIDS AND LUBRICATION EQUIPMENT



Oil pumps for transfer and distribution



EXAMPLE OF SYSTEM

page 68



OIL PUMPS FOR TRANSFER AND DISTRIBUTION

page 70



TROLLEY-MOUNTED - FIXED - MODULAR KITS

page 82



OIL BAR

page 92



DIGITAL METER - OIL HANDLE AND ACCESSORIES

page 94



Example of installation

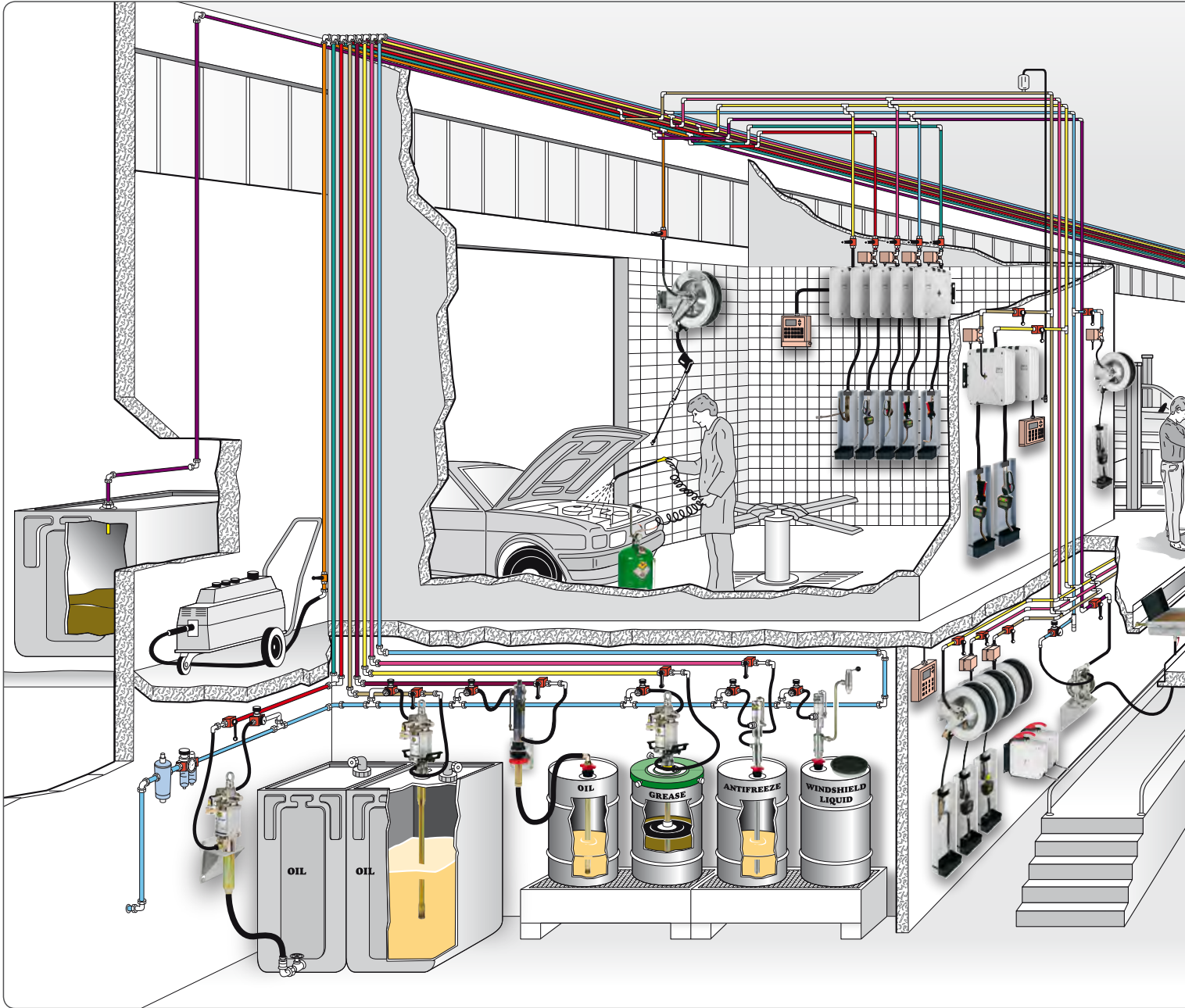
All distribution lines, for oil, grease and similar products, must be prepared with tubing (in steel, rubber ...) for high pressures, and must be smooth and seamless, with connections possibly having an inside diameter greater than the tube itself so as not to create any constrictions.

The tubing for an oil line must be capable of withstanding a minimum working pressure of 60 bar.

For grease installation the tubing must withstand a minimum working pressure of 600 bar.

Air and water tubing may be welded. For water, non corrosive pipework is recommended with min. pressure rating 8 - 10 bar.

For compressed air, 18 - 20 bar minimum pressure rating is recommended.



OIL

MOTOR OIL MAIN LINE

Tube characteristics:

- 0 - 15 m minimum inside diameter 3/4" (ø 19 mm)
- 16 - 50 m minimum inside diameter 1" (ø 25 mm)
- 51 - 100 m minimum inside diameter 1.1/4" (ø 30 mm)
- 101 - 200 m minimum inside diameter 1.1/2" (ø 38 mm)

Discharge: minimum inside diameter 3/4" (ø 19 mm)

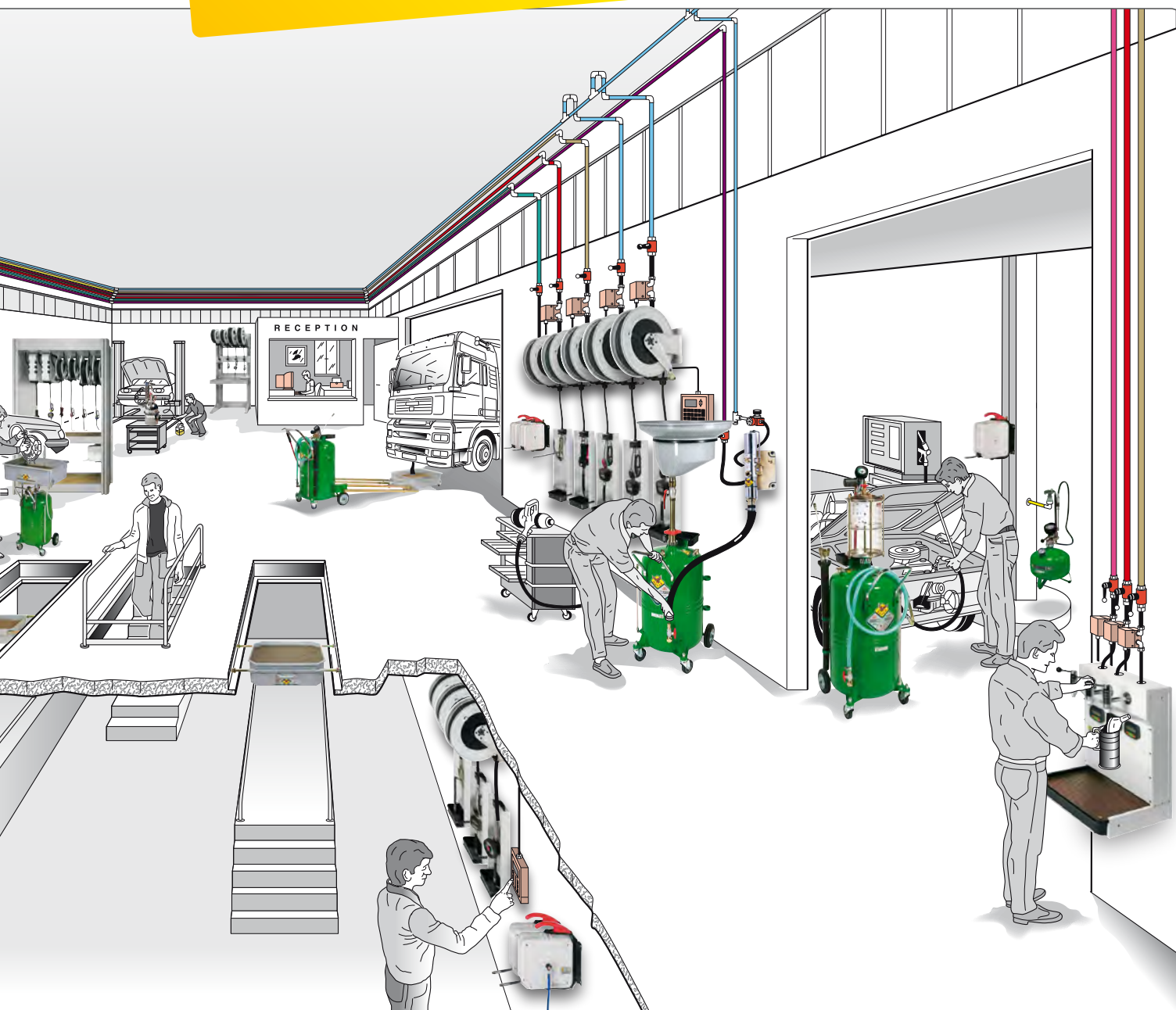
GEAR OIL MAIN LINE

Tube characteristics:

- 0 - 15 m minimum inside diameter 1" (ø 25 mm)
- 16 - 50 m minimum inside diameter 1.1/2" (ø 38 mm)
- 51 - 100 m minimum inside diameter 1.1/4" (ø 30 mm)
- 51 - 250 m minimum inside diameter 2" (ø 50 mm)

Discharge: minimum inside diameter 3/4" (ø 19 mm)

...in relation to the computerized control system of fluids and the managing of stock room, please refer to the specific catalogue **“FLUIDS CONTROL SYSTEM”**



GREASE - WATER - AIR

GREASE MAIN LINE

Tube characteristics:
0 - 200 m minimum inside diameter 1/2" (ø 15 mm)

Discharge: minimum inside diameter 3/8" (ø 10 mm)

AIR AND WATER MAIN LINE

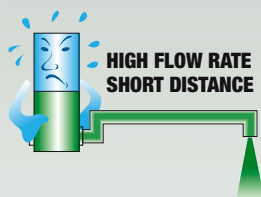
Tube characteristics:
0 - 30 m minimum inside diameter 1" (ø 25 mm)
31 - 300 m minimum inside diameter 1.1/2" (ø 38 mm)

Discharge: minimum inside diameter 3/4" (ø 19 mm)



Air-operated pumps for TRANSFER

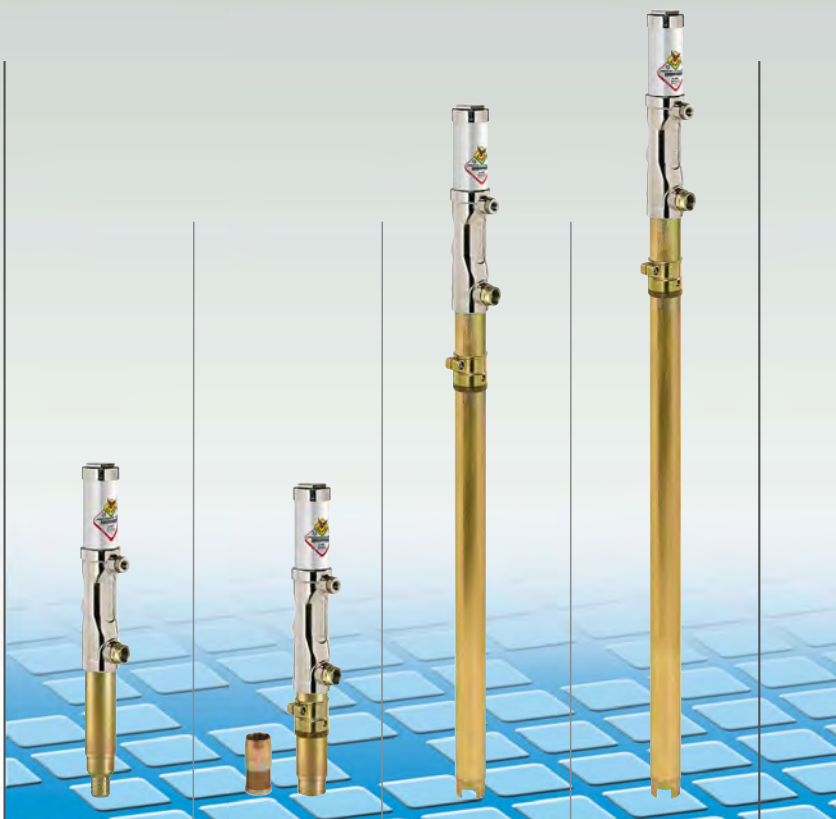
Ratio 1:1 Flow rate 35 l/min



HIGH FLOW RATE
SHORT DISTANCE

Air-operated pumps for short and medium-distance transfer.

Ideal for transferring low-medium viscosity fluids such as: oils, lubricants and similar products. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).



series 500

Article with seals in	NBR
Article with seals in	VITON
Article with seals in	TEFLON

Compatible fluids

Suction tube upper body

Suction tube

Air inlet connection

bsp

Fluid outlet connection

bsp

Air working pressure

bar

Average air consumption

l/min

Noise level

dB

Max deliverable oil viscosity

SAE

Bung adaptor

-

Oils, lubricants and similar

Aluminium

Carbon steel

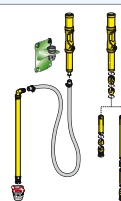
Suitable for drums or tanks

Packing

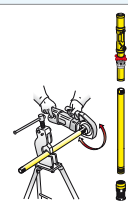
Weight

N° - m³
Kg

Dimensions (A - B - C) cm



modular



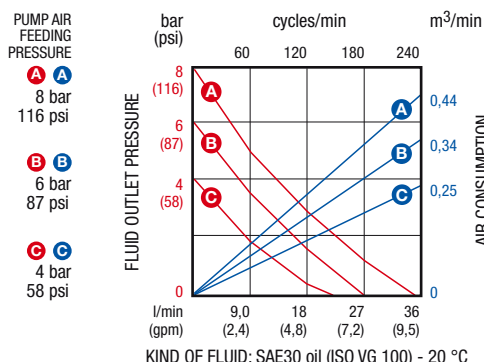
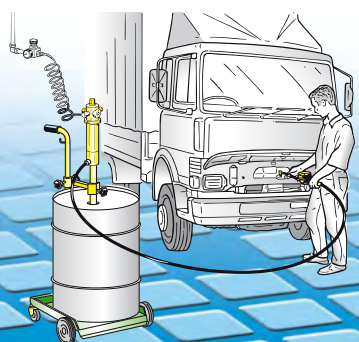
customisable 1"



suitable for drums
50-60 Kg

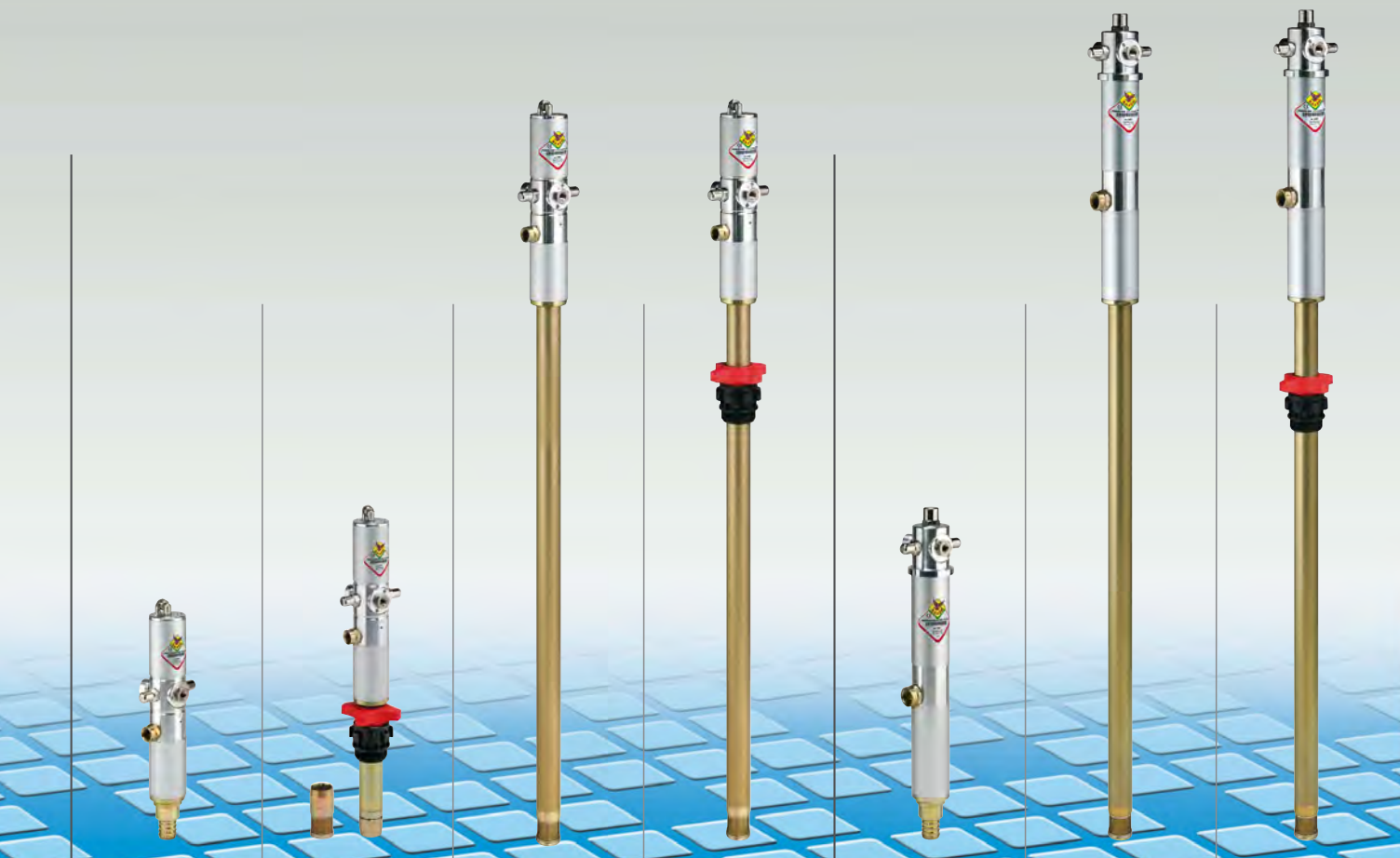


suitable for drums
180-220 Kg



Ratio 1:1 Flow rate 23 l/min

Ratio 1:1 Flow rate 40 l/min



series 600

serie 650

33080	33081	33082	33083			
33070	33071	33072	33073	33170	33172	33173
33060	33061	33094	33096	33160	33194	33196

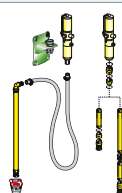
Oils, lubricants and similar

Oils, lubricants and similar

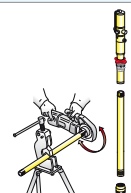
Aluminium
Carbon steel

Aluminium
Carbon steel

F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G
F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 3/4" G	F 3/4" G	F 3/4" G
6 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
230	230	230	230	370	370	370
81	81	81	81	81	81	81
80	80	80	80	130	130	130
-	standard	-	standard	-	-	standard



modular



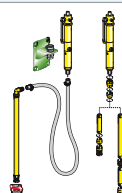
customisable 1"



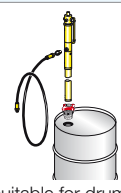
suitable for drums
180-220 Kg



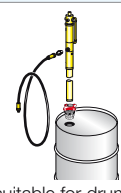
suitable for drums
180-220 Kg



modular

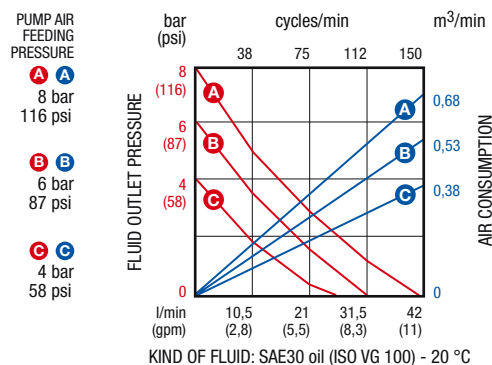
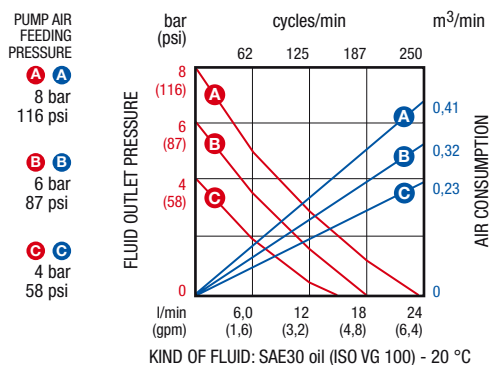


suitable for drums
180-220 Kg



suitable for drums
180-220 Kg

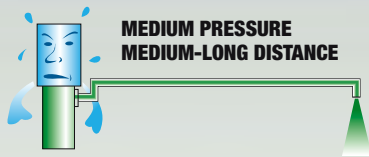
1 - 0,006	1 - 0,006	1 - 0,020	1 - 0,020	1 - 0,010	1 - 0,020	1 - 0,020
4,3	5	6,2	6,3	5,3	7,3	7,4
35,5 - 0 - 0	35,5 - 22 - 4,2	35,5 - 94 - 4,2	35,5 - 94 - 4,2	50,5 - 0 - 0	50,5 - 94 - 4,2	50,5 - 94 - 4,2



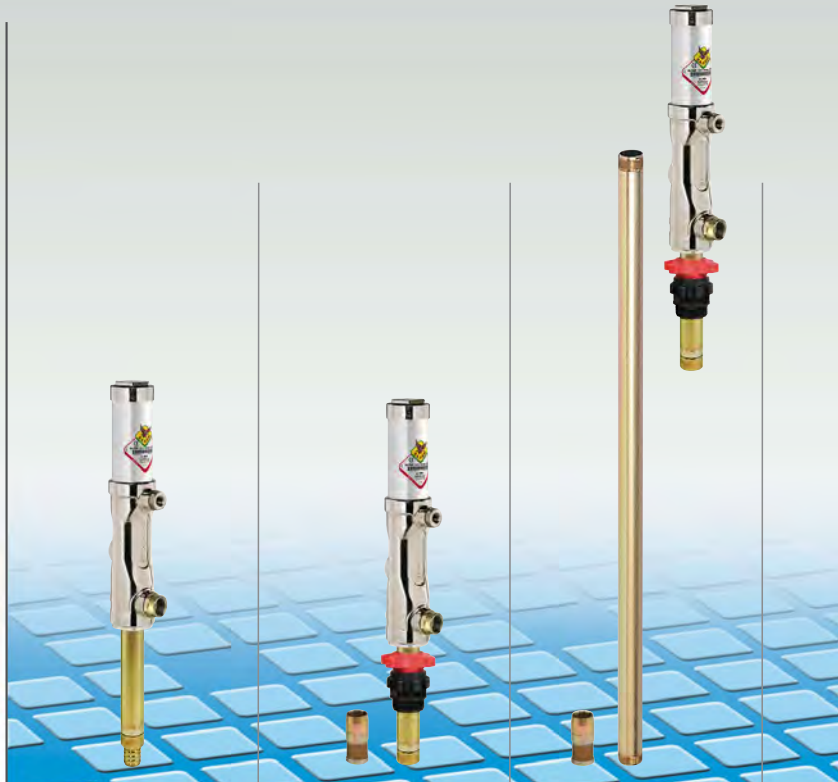


Air-operated pumps for DISTRIBUTION

Ratio **3:1** Flow rate **20 l/min**



Air-operated pumps series 500 and 600 for medium distance distribution. Ideal for transferring low-medium viscosity fluids such as: oils, lubricants and similar products. Suitable for mobile unit or fixed installation. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).



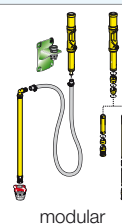
series 500

Article with seals in	NBR
Article with seals in	NBR
Article with seals in	VITON

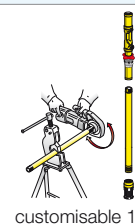
Compatible fluids	Oils, lubricants and similar
Suction tube upper body	Aluminium
Suction tube	Carbon steel
Air inlet connection	bsp F 1/4" G
Fluid outlet connection	bsp F 1/2" G
Air working pressure	bar 4 - 8
Average air consumption	l/min 350
Noise level	dB 81
Max deliverable oil viscosity	SAE 130
Bung adaptor	-

Suitable for drums or tank

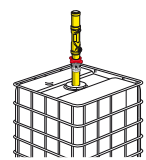
Packing	N° - m³
Weight	Kg
Dimensions (A - B - C)	cm



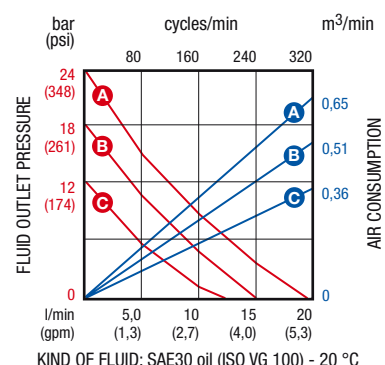
modular

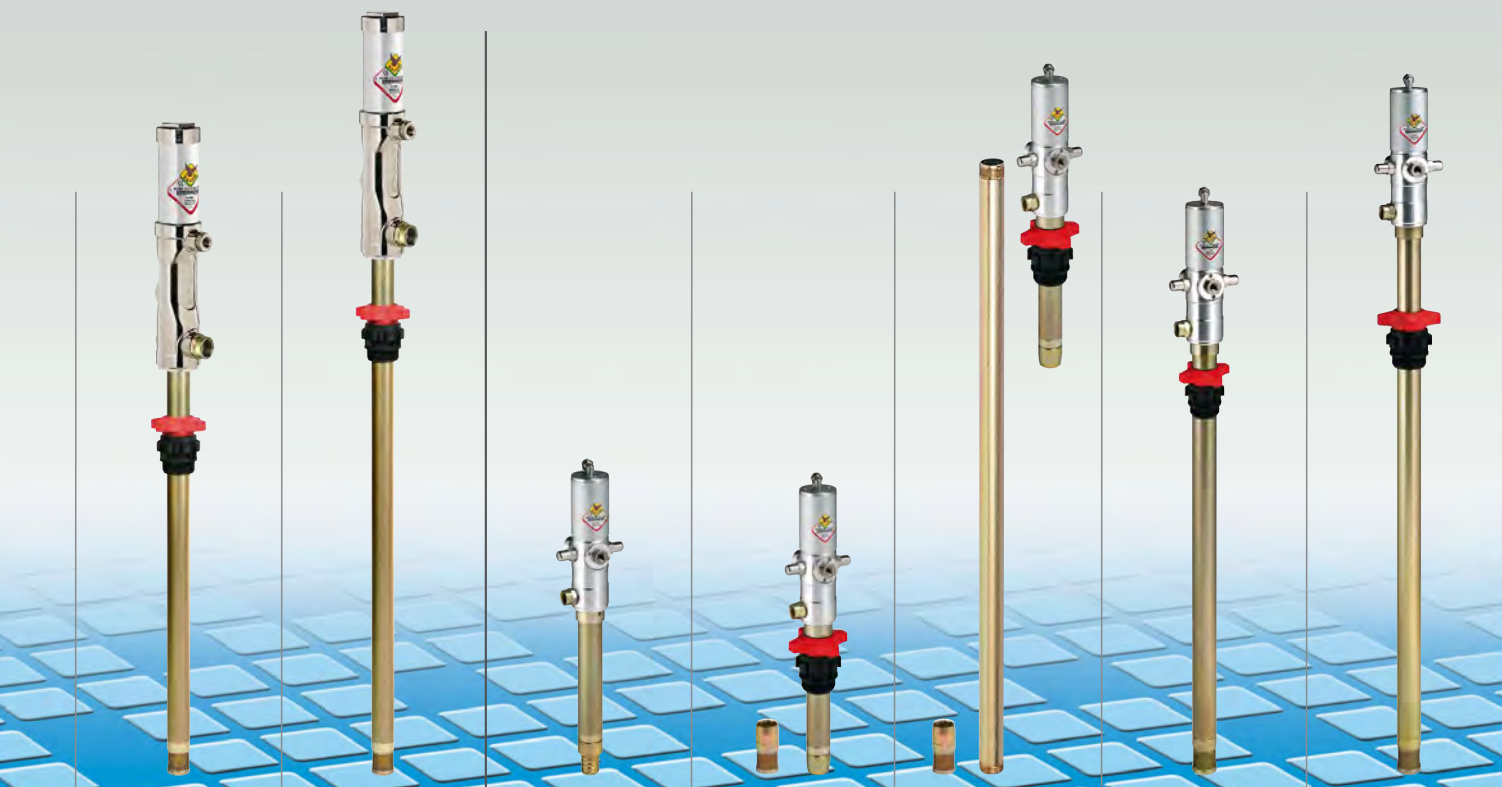


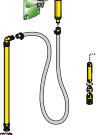
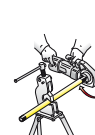
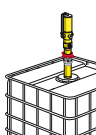
customisable 1"

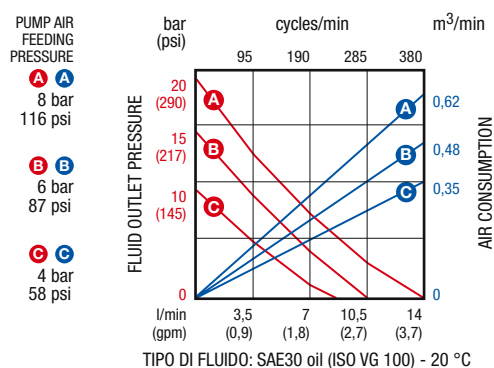
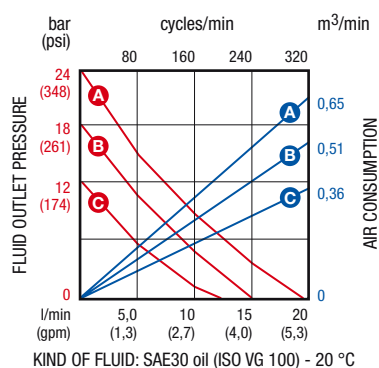


tank





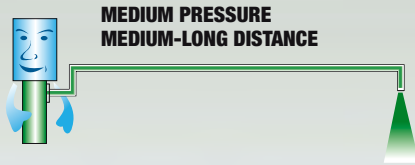
series 500		series 600				
		35160	35161	35163	35173	35194
					35176	35196
35076	35094					
Oils, lubricants and similar		Oils, lubricants and similar				
Aluminium		Aluminium				
Carbon steel		Carbon steel				
F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G
F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G
4 - 8	4 - 8	6 - 8	6 - 8	6 - 8	6 - 8	6 - 8
350	350	330	330	330	330	330
81	81	81	81	81	81	81
130	130	130	130	130	130	130
standard	standard	-	standard	standard	standard on 35176	standard on 35196
						
suitable for drums 50-60 Kg	suitable for drums 180-220 Kg	modular	customisable 1"	tank	suitable for drums 50-60 Kg	suitable for drums 180-220 Kg
1 - 0,01	1 - 0,01	1 - 0,01	1 - 0,01	1 - 0,02	1 - 0,020	1 - 0,020
5,8	6,5	4,4	5,0	6,8	5,8	6,5
33,2 - 74 - 3,2	33,2 - 94 - 3,2	28,5 - 28,5 - 4,2	28,5 - 22 - 4,2	28,5 - 125 - 4,2	28,5 - 74 - 4,2	28,5 - 94 - 4,2





Air-operated pumps for DISTRIBUTION

Ratio **5:1** Flow rate **18 l/min**



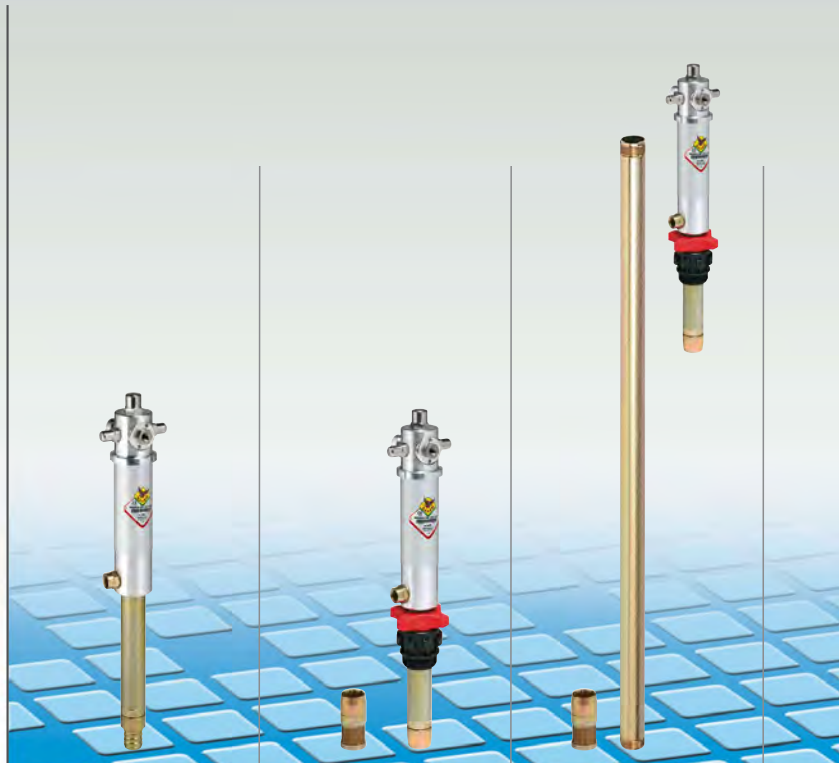
Series 650 air-operated double-acting pumps for medium distance oil distribution. Ideal for also distributing high viscosity oil. The double action guarantees the delivery of a continuous and constant flow, ideal for all installations, excellent for centralised distribution systems. The wall-mounted version of these pumps, mounted on wall or in a fixed position by means of the special accessories (refer to page 107), enables numerous uses through the application of modular extensions (refer to page 112).

Article with seals in **NBR**
Article with seals in **NBR**

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Air working pressure	bar
Average air consumption	l/min
Noise level	dB
Max deliverable oil viscosity	SAE
Bung adaptor	

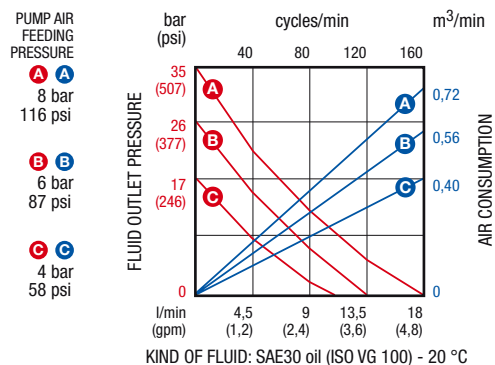
Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm



series **650**

	36060	36061	36063
Medium/high-viscosity oil			
Aluminium			
Carbon steel			
F 1/4" G			F 1/4" G
F 1/2" G			F 1/2" G
6 - 8			6 - 8
350			350
81			81
240			240
-		standard	standard
modular		customisable 1"	tank
1 - 0,01		1 - 0,01	1 - 0,02
4,7		5,2	7,2
34,5 - 27 - 4,2		34,5 - 27 - 4,2	34,5 - 125 - 4,2



Advantages of double-action

There are many technical solutions for obtaining a reciprocating double-acting pump.

The double-action of RAASM pumps is obtained with solutions that have simplified the pump mechanism itself, ensuring that delivery of the fluid in both alternating movements (upstroke and downstroke) of the pump occurs only through the difference in volume between the diameters of the pumping piston (A) and the pump shaft (B).

On the **upstroke**, delivery is caused by the **pumping piston (A)**.

On the **downstroke** it is caused by the difference in **volume** between the diameter of the motor shaft (B) and the diameter of the pumping piston (A).



series 650

36073

36094

36076

36096

Medium/high-viscosity oil

Aluminium

Carbon steel

F 1/4" G

F 1/4" G

F 1/2" G

F 1/2" G

6 - 8

6 - 8

350

350

81

81

240

240

standard on 36076

standard on 36096



suitable for drums
50-60 Kg

1 - 0,02

6,2

34,5 - 74 - 4,2

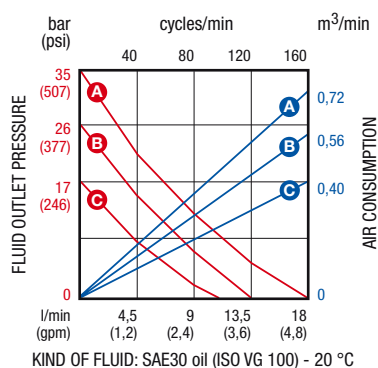
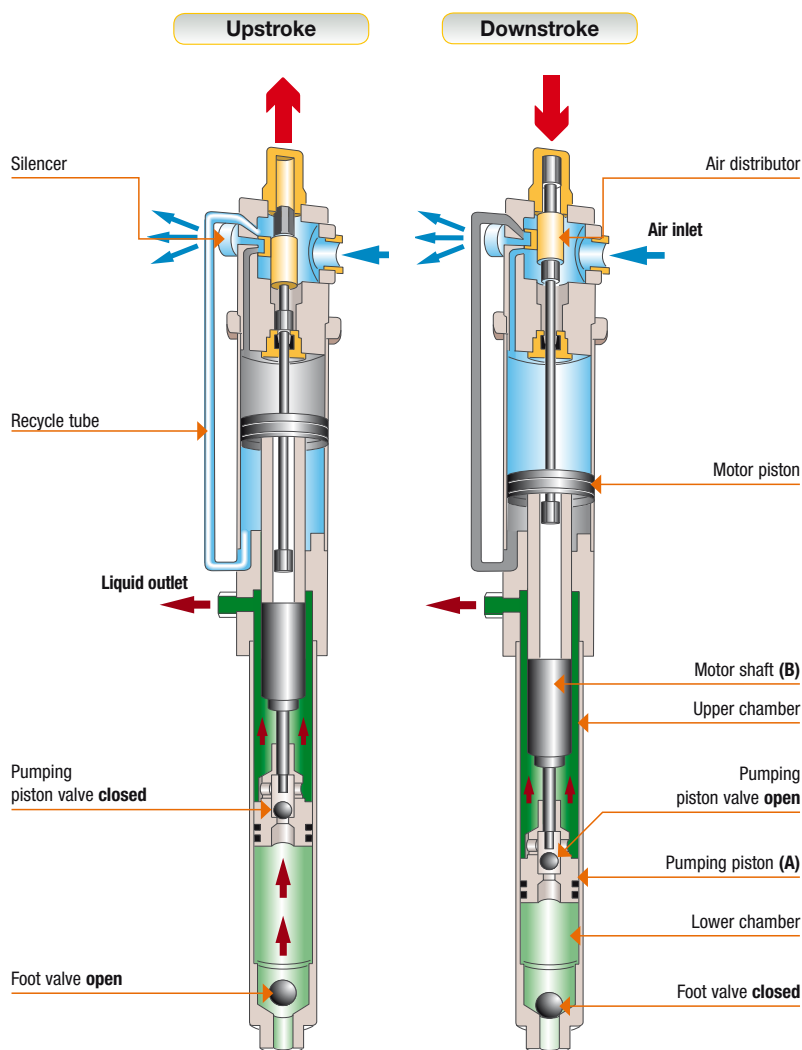


suitable for drums
180-220 Kg

1 - 0,02

6,8

34,5 - 94 - 4,2

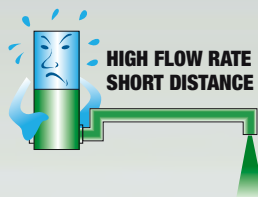


In addition to guaranteeing regular delivery of the fluid, this solution offers the further advantage of having fewer parts inside the pump. This means less wear plus greater and longer reliability.

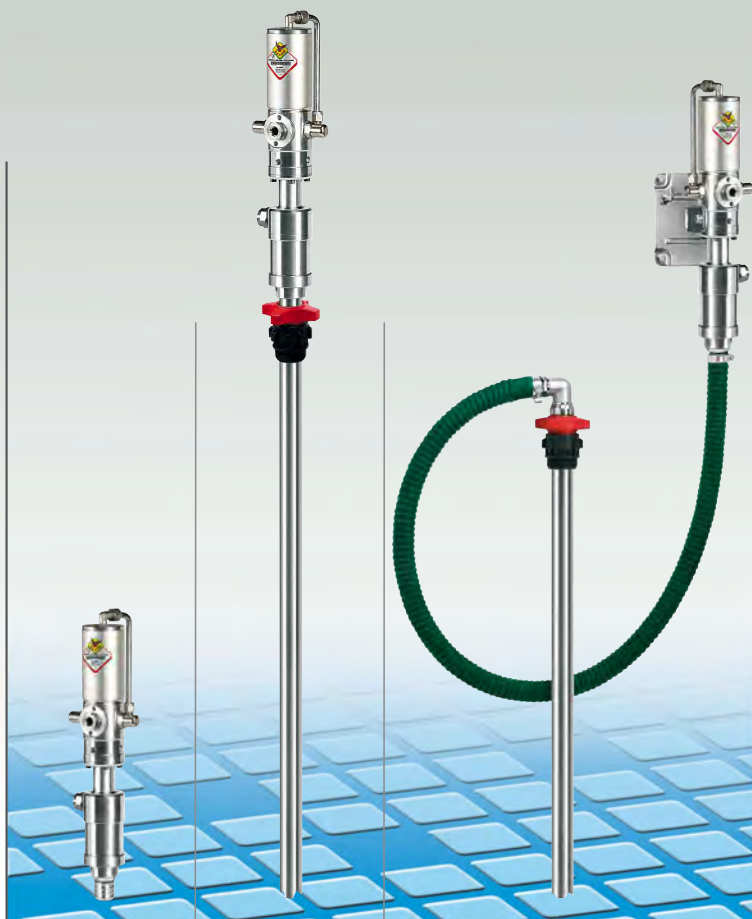
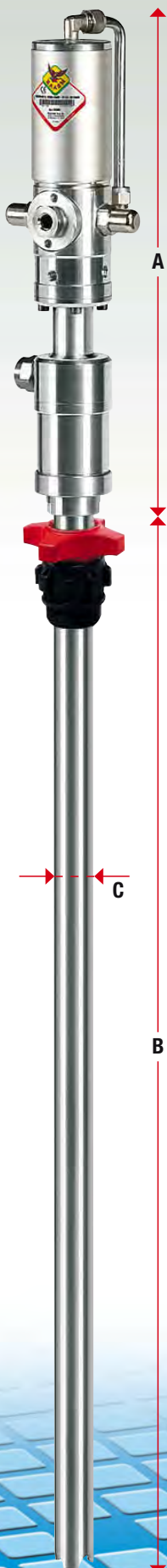


Stainless steel AISI 304 pumps for TRANSFER

Ratio 1:1 Flow rate 30 l/min



**Stainless steel AISI 304
air-operated pumps for
short-medium distance transfer.**
Ideal for transferring low-medium
viscosity fluids such as: antifreeze
liquid, windshield washing liquid
and chemical products.



series 600 INOX

Article with seals in	VITON	33360	33396	33300
Compatible fluids		Suitable for antifreeze and windshield washing liquid		
Suction tube lower body		Stainless steel AISI 304		
Suction tube		Stainless steel AISI 304		
Air inlet connection	bsp	F 1/4" G	F 1/4" G	-
Fluid outlet connection	bsp	F 1/2" G	F 1/2" G	-
Air working pressure	bar	6 - 8	6 - 8	-
Average air consumption	l/min	370	370	-
Noise level	dB	81	81	-
Max deliverable oil viscosity	SAE	50	50	-
Bung adaptor		-	standard	33434
Suitable for drums or tanks		 modular	 suitable for drums 180-220 Kg	 modular
Packing	N° - m ³	1 - 0,10	1 - 0,020	1 - 0,29
Weight	Kg	5,3	7,4	11,4
Dimensions (A - B - C)	cm	41 - 0 - 0	41 - 94 - 3,4	41 - 94 - 3,4

Art. 33440
**Gun for antifreeze and
windshield liquid**
applicable to kit Art. 33300
equipped with:
- inlet joint F 1/2"
- stainless steel rigid terminal
with free outlet

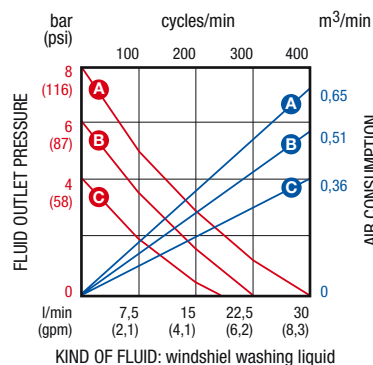


PUMP AIR
FEEDING
PRESSURE

A A
8 bar
116 psi

B B
6 bar
87 psi

C C
4 bar
58 psi



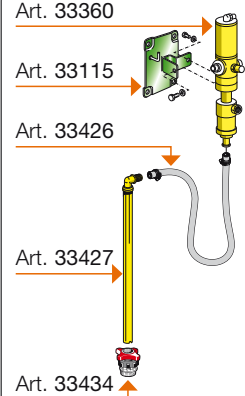
Art. 33360

Art. 33115

Art. 33426

Art. 33427

Art. 33434

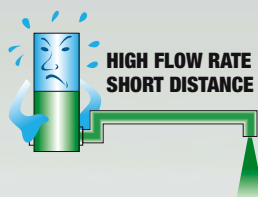




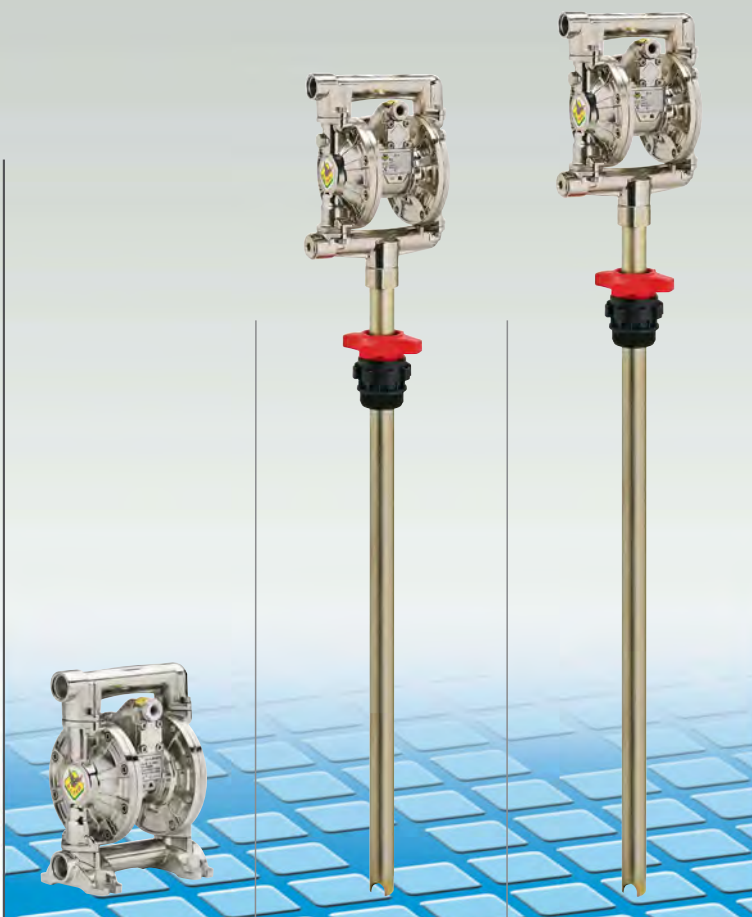
DIAPHRAGM Pumps

S. 340-AB

in aluminium



The transfer diaphragm pumps, specific for oil and similar products in die-cast aluminium, with high-quality components, ensure lasting and reliable operation even in extreme conditions. Ideal for transferring fluids even in the presence of suspended solids.

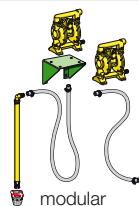


series **340-AB**

Article with membrane in **NBR High Nitrile**

Compatible fluids	Water, mineral-vegetable oils, diesel oil		
Pump material	Aluminium		
Ball valve material	Hytrel		
Air inlet connection	bsp	F 3/8" G	F 3/8" G
Fluid inlet-outlet connection	bsp	F 3/4" x F 3/4" G	suction tube ø 34 mm - F 3/4" G
Air working pressure	bar	2 - 6	2 - 6
Air max pressure	bar	8	8
Average air consumption	l/min	500	500
Noise level	dB	75	75
Fluid temperature	°C	-10 +90	-10 +90
Max solids diameter	mm	ø 1,5	ø 1,5

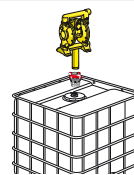
Suitable for drums or tanks



modular



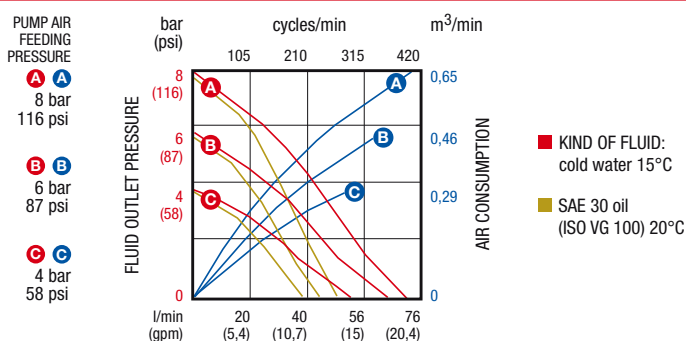
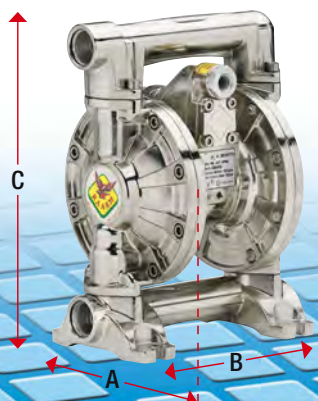
suitable for drums
180-220 Kg



tank

Suction-delivery ball valve with spring

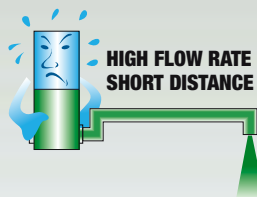
Packing	N° - m³	1 - 0,015	2 - 0,040	2 - 0,040
Weight	Kg	8	10	11
Dimensions (A - B - C)	cm	16 - 20 - 25,6	16 - 20 - 25,6	16 - 20 - 25,6
Suction tube length and ø	cm	-	94x3,4	124x3,4





DIAPHRAGM Pumps S. 1000-AB - 1140-AB

in aluminium



The transfer diaphragm pumps, specific for oil and similar products in die-cast aluminium, with high-quality components, ensure lasting and reliable operation even in extreme conditions. Ideal for transferring fluids even in the presence of suspended solids.

1" Ratio 1:1
Flow rate **170 l/min**

1.1/4" Ratio 1:1
Flow rate **200 l/min**



series **1000-AB**

series **1140-AB**

33/2611NHHV2

33/3011NHHV2

Article with membrane in **NBR High Nitrile**

Compatible fluids

Water, mineral-vegetable oils,
diesel oil

Water, mineral-vegetable oils,
diesel oil

Pump material

Aluminium

Aluminium

Ball valve material

Hytrel

Hytrel

Air inlet connection

bsp

F 3/8" G

F 3/4" G

Fluid inlet-outlet connection

bsp

F 1.1/4" x F 1" G

F 1.1/4" x F 1.1/4" G

Air working pressure

bar

2 - 6

2 - 6

Air max pressure

bar

8

8

Average air consumption

l/min

1200

1400

Noise level

dB

75

75

Fluid temperature

°C

-10 +90

-10 +90

Max solids diameter

mm

ø 3

ø 3

Suction-delivery ball valve
with spring



Packing



N° - m³

1 - 0,025

1 - 0,041

Weight



Kg

14

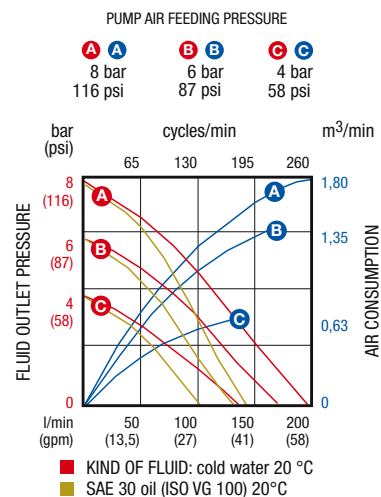
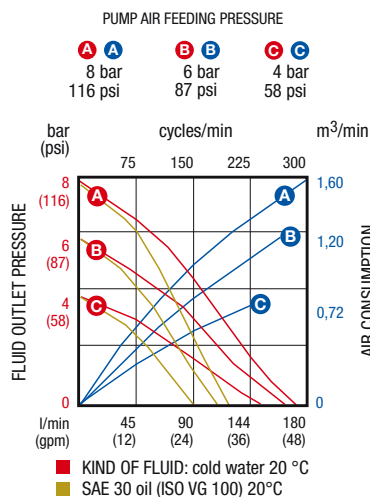
16

Dimensions (A - B - C)

cm

20 - 26 - 34,5

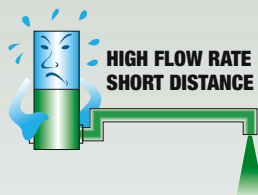
23,8 - 28,6 - 38,6



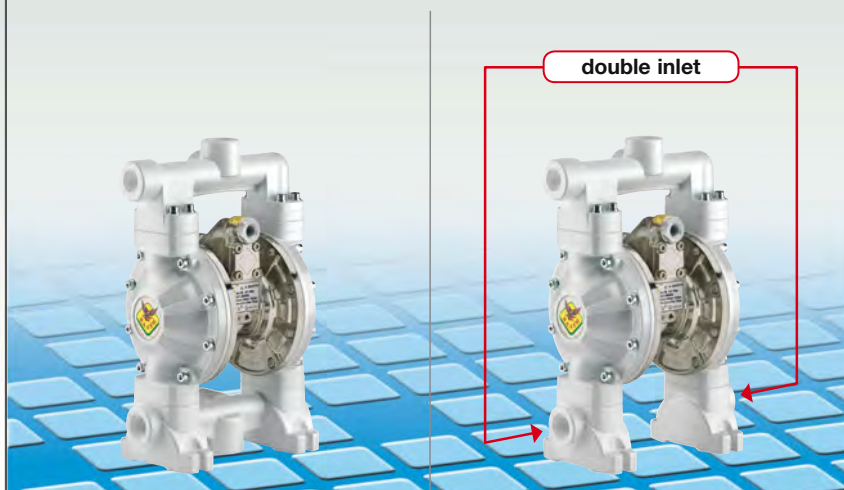


DIAPHRAGM Pumps S. 120-PB

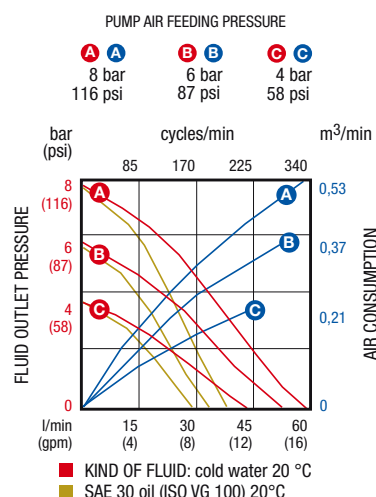
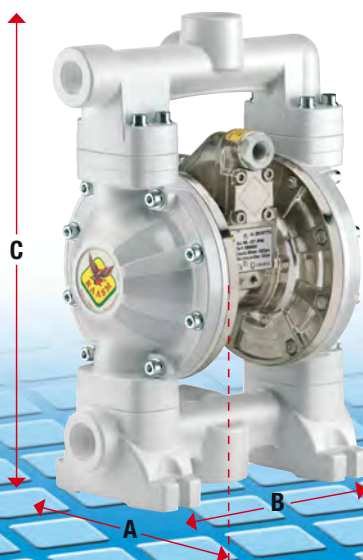
in polypropylene



Diaphragm pumps are used in different kind of application. They can be installed on wall brackets, on trailers, on moving machines, on drums, on big reservoirs and in many other places. Ideal for transferring fluids even in the presence of suspended solids. Double inlet version is suitable to mix together two different kind of liquids i. e. water and antifreeze.



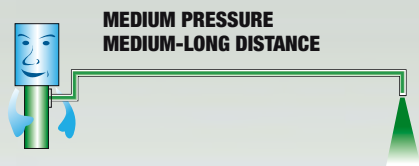
Article with membrane	NBR High Nitrile	2B3/16117NH22		2B8/16117NH22	
Article with membrane	PTFE	2B3/16117TT22		2B8/16117TT22	
Compatible fluids		Water, mineral-vegetable oils, diesel oil	Windshield washing liquid and antifreeze	Water, mineral-vegetable oils, diesel oil	Windshield washing liquid and antifreeze
Motor and inside flanges material		Aluminium	Aluminium	Aluminium	Aluminium
Wetted parts		Polypropylene	Polypropylene	Polypropylene	Polypropylene
Ball valve material		Hytrel	Teflon	Hytrel	Teflon
Air inlet connection	bsp	F 3/8" G	F 3/8" G	F 3/8" G	F 3/8" G
Fluid inlet-outlet connection	bsp	F 3/4" x F 1/2" G	F 3/4" x F 1/2" G	F 3/4" x F 1/2" G	F 3/4" x F 1/2" G
Air working pressure	bar	2 - 6	2 - 6	2 - 6	2 - 6
Air max pressure	bar	8	8	8	8
Average air consumption	l/min	400	400	400	400
Noise level	dB	75	75	75	75
Fluid temperature	°C	-10 +65	-10 +65	-10 +65	-10 +65
Max solids diameter	mm	ø 1,5	ø 1,5	ø 1,5	ø 1,5
Suction-delivery ball valve with spring					
Packing	N° - m³	1 - 0,015	1 - 0,015	1 - 0,015	1 - 0,015
Weight	Kg	7,5	7,5	7	7
Dimensions (A - B - C)	cm	17,8 - 21,8 - 32,6	17,8 - 21,8 - 32,6	17,8 - 22 - 32,6	17,8 - 22 - 32,6





Air-operated pumps for DISTRIBUTION

Ratio **5:1** Flow rate **45 l/min**



Series 900 industrial air-operated double-acting pumps for distribution.

Suitable for transferring oils, lubricants and similar products also with very high viscosity. The double action guarantees the delivery of a continuous and constant flow, ideal for all needs. Particularly effective in systems equipped with several distribution points.



Article with seals in **PU**

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Air max pressure	bar
Max air consumption 8 bar	m ³ /min
Noise level	dB

Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm

series **900**

90C/51

Oils, lubricants and similar

Aluminium

Carbon steel

F 1/2"

F 3/4"

8

1,6

80

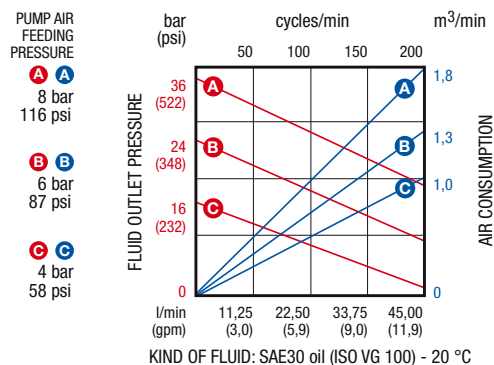


modular

1 - 0,040

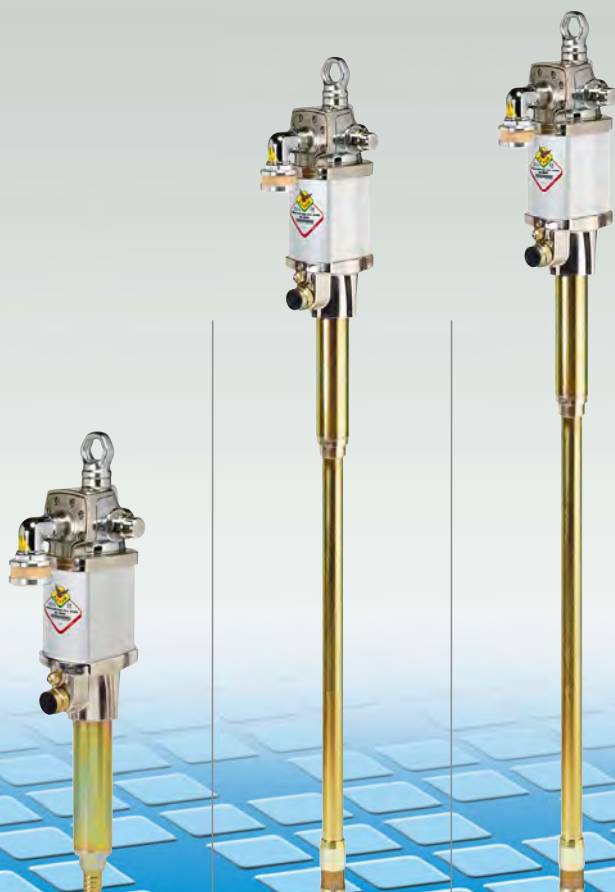
12

43 - 23 - 6,2



Ratio **7:1** Flow rate **30 l/min**

Ratio **11:1** Flow rate **30 l/min**



series 900

series 900

90C/71

91C/71

92C/71

90C/111

91C/111

92C/111

Oils, lubricants and similar

Oils, lubricants and grease

Aluminium

Aluminium

Carbon steel

Carbon steel

F 1/2"
F 3/4"

F 1/2"
F 3/4"

F 1/2"
F 3/4"

F 1/2"
F 3/4"

F 1/2"
F 3/4"

F 1/4"
F 3/4"

8

8

8

8

8

8

1,6

1,6

1,6

1,7

1,7

1,7

80

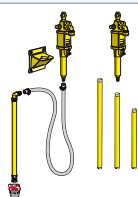
80

80

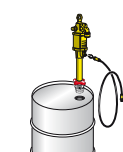
80

80

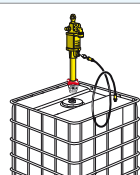
80



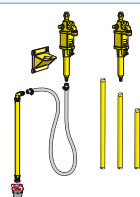
modular



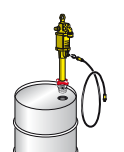
suitable for drums
180-220 Kg



tank



modular



suitable for drums
180-220 Kg



suitable for drums
50-60 Kg

1 - 0,040

1 - 0,070

1 - 0,080

1 - 0,040

1 - 0,070

1 - 0,070

11

13

15

11

16

15

43 - 27 - 5,3

43 - 94 - 5,3

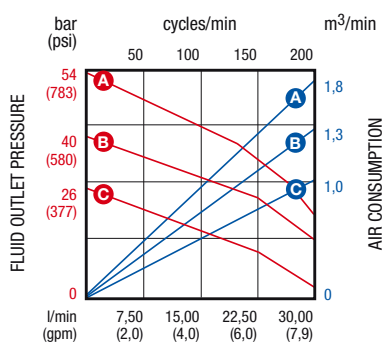
43 - 126 - 5,3

43 - 27 - 4,5

43 - 94 - 4,5

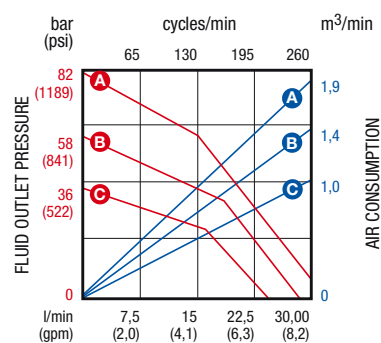
43 - 74 - 4,5

PUMP AIR
FEEDING
PRESSURE
A **A**
8 bar
116 psi
B **B**
6 bar
87 psi
C **C**
4 bar
58 psi



KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C

PUMP AIR
FEEDING
PRESSURE
A **A**
8 bar
116 psi
B **B**
6 bar
87 psi
C **C**
4 bar
58 psi



KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C



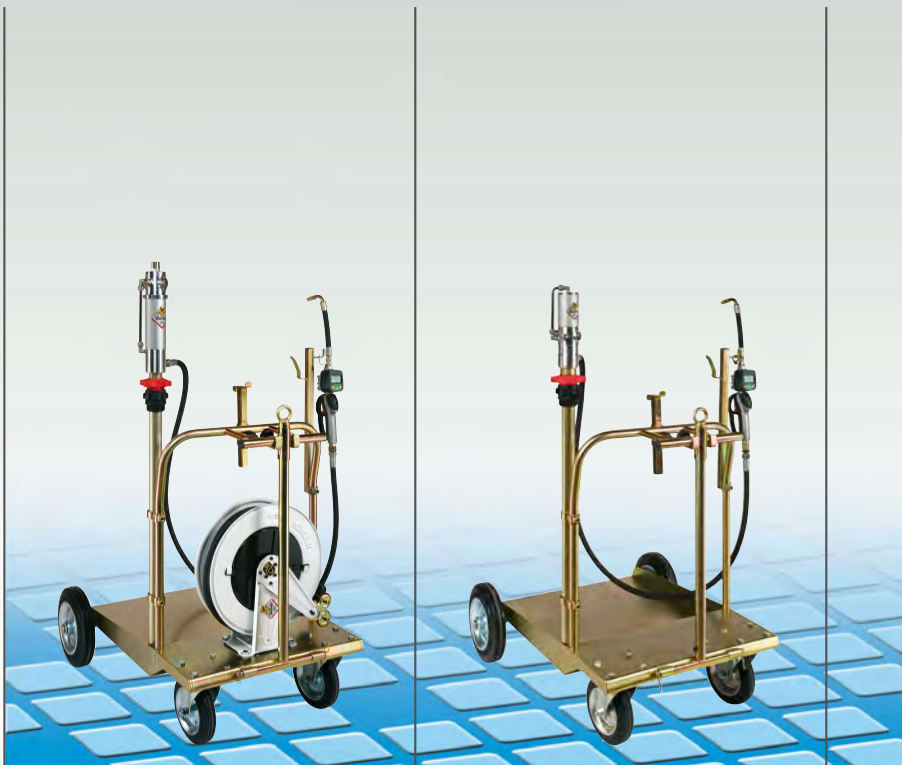
Mobile oil DISPENSER unit

trolley super
for drums **180-220 kg**

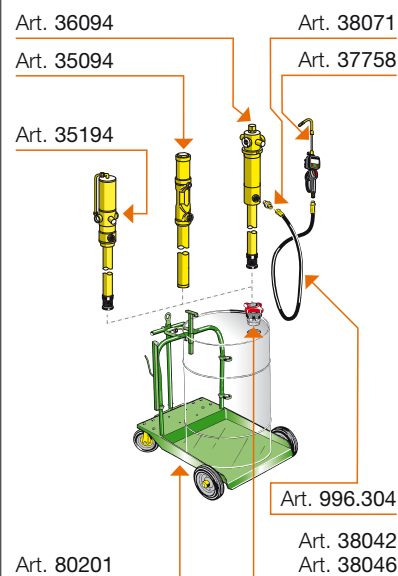
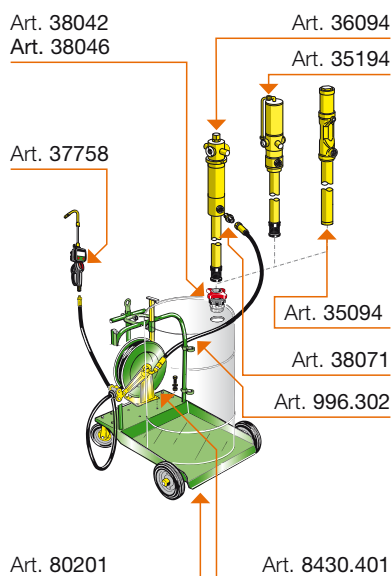
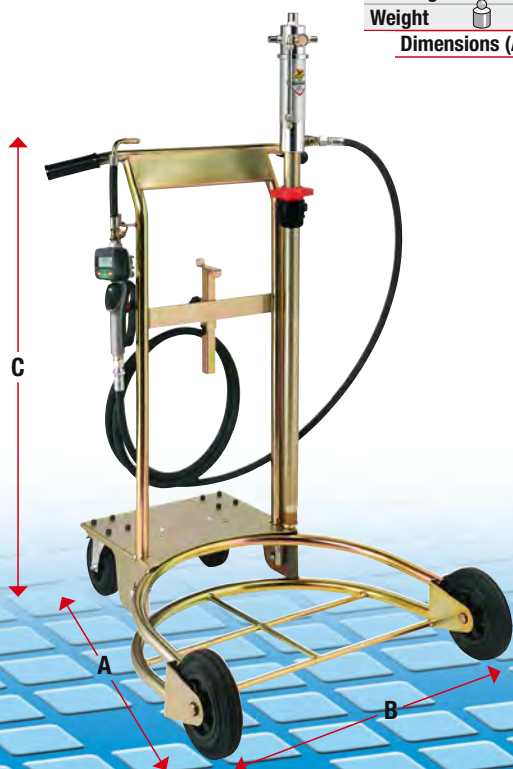
Mobile oil dispenser unit.

The ideal combination for dispensing oil in any workplace. The very easy to handle trolley is equipped with a drum (180 - 220 kg) clamping device, adjustable side support for stowing accessories, wheel with brake.

The unit comes with a handy hose reel with 10 m of hose, and digital hose end meter.



Article		35201	35200	37100	35209	35210	37150
Ratio		3:1	3:1	5:1	3:1	3:1	5:1
Flow rate	l/min	20	14	18	20	14	18
Pump	Art.	35094	35194	36094	35094	35194	36094
Trolley	Art.	80201	80201	80201	80201	80201	80201
Hose reel	Art.	8430.401	8430.401	8430.401	-	-	-
Bung adaptor	Art.	38046	38042	38042	38046	38042	38042
Nipple	Art.	38071	38071	38071	38071	38071	38071
Digital metering gun	Art.	37758	37758	37758	37758	37758	37758
Hose	Art.	996.302	996.302	996.302	996.304	996.304	996.304
Packing	N° - m³	4 - 0,210	4 - 0,210	4 - 0,210	3 - 0,176	3 - 0,176	3 - 0,176
Weight	kg	74	76	76	55	57	57
Dimensions (A - B - C) cm		93 - 81 - 143	93 - 81 - 138,5	93 - 81 - 144,5	93 - 81 - 143	93 - 81 - 138,5	93 - 81 - 144,5

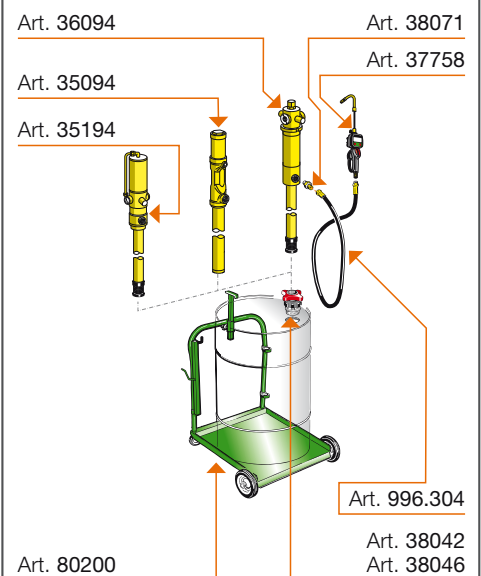
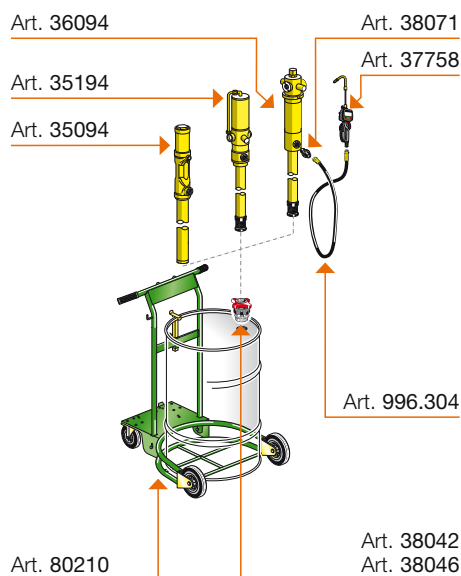
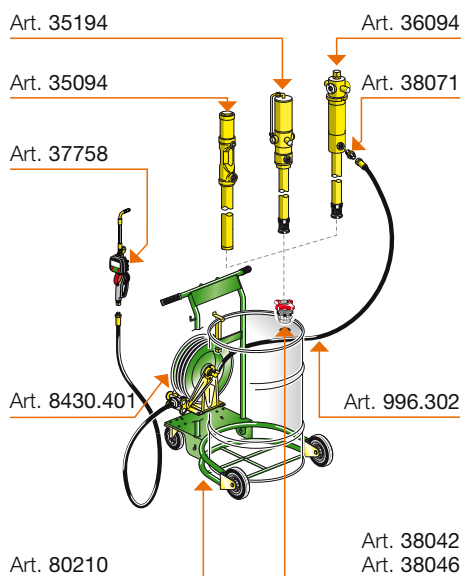


trolley standard
for drums 180-220 kg

trolley light
for drums 180-220 kg



35198	35199	37099	35415	35425	37095	35219	35220	37200
3:1	3:1	5:1	3:1	3:1	5:1	3:1	3:1	5:1
20	14	18	20	14	18	20	14	18
35094	35194	36094	35094	35194	36094	35094	35194	36094
80210	80210	80210	80210	80210	80210	80200	80200	80200
8430.401	8430.401	8430.401	-	-	-	-	-	-
38046	38042	38042	38046	38042	38042	38046	38042	38042
38071	38071	38071	38071	38071	38071	38071	38071	38071
37758	37758	37758	37758	37758	37758	37758	37758	37758
996.302	996.302	996.302	996.304	996.304	996.304	996.304	996.304	996.304
4 - 0,28	4 - 0,28	4 - 0,28	3 - 0,246	3 - 0,246	3 - 0,246	3 - 0,121	3 - 0,121	3 - 0,121
54,6	56,1	56,2	35,8	37,3	37,4	33,3	33,3	34,1
90-77-133	90 - 77 - 128,5	90-77-134,5	90-77-133	90 - 77 - 128,5	90-77-134,5	67-77-138,5	67-77-132,5	67-77-139,5





Oil DISPENSER kit

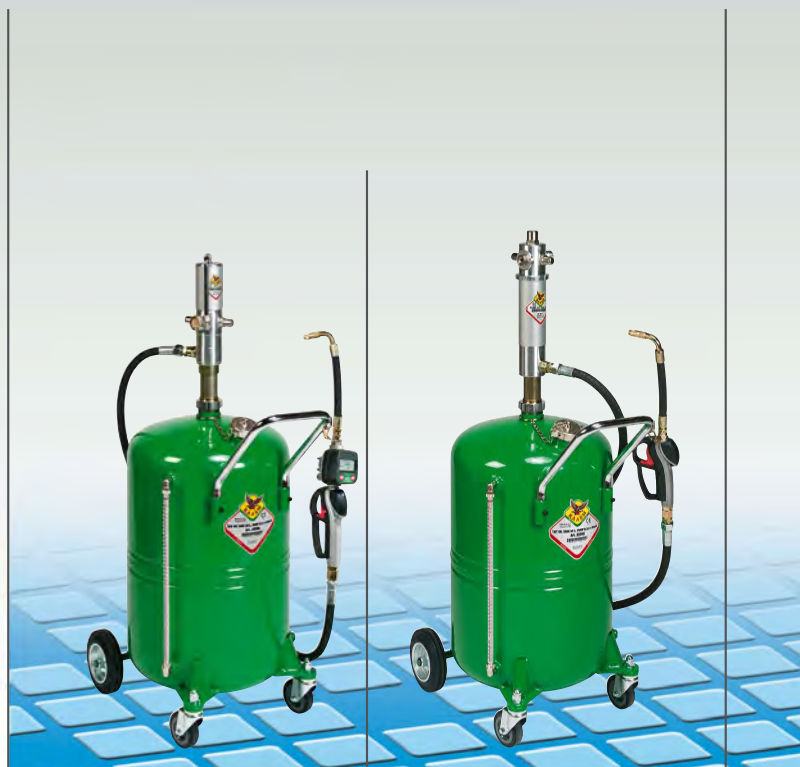
with 65 l tank

Trolley-mounted oil dispenser kit.

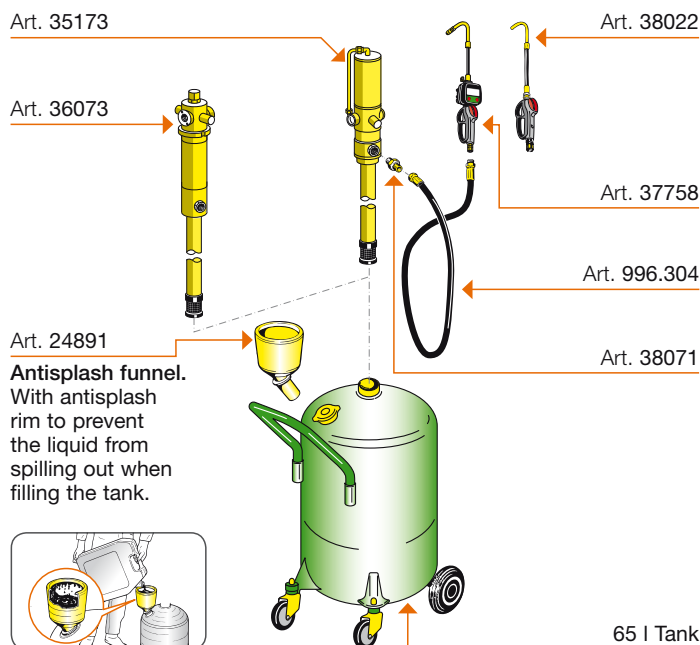
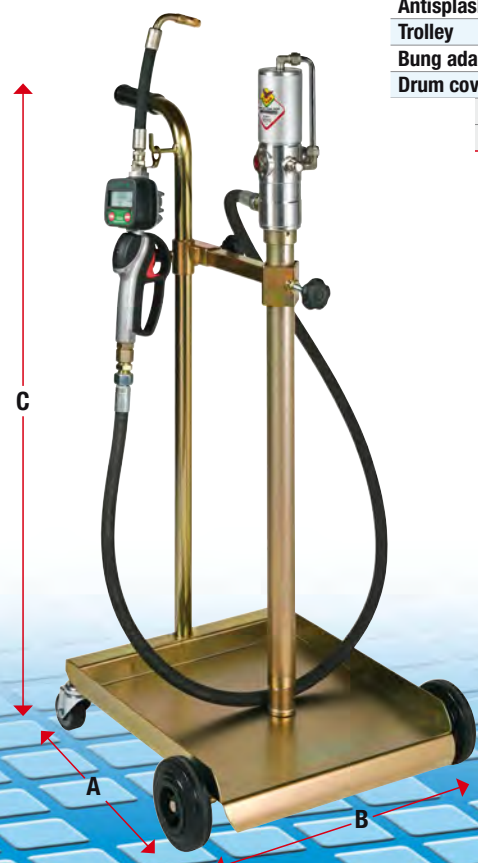
The ideal combination for dispensing oil in any workplace.

The compact trolley has 2 fixed wheels and 2 castors that make it very easy to handle.

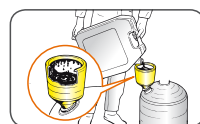
It is equipped with a pump support and is suitable for holding various types of containers (30 - 50 kg).



Article		35265	37650	35270	37670
Ratio		3:1	5:1	3:1	5:1
Flow rate	l/min	14	18	14	18
Pump	Art.	35173	36073	35173	36073
Nipple	Art.	38071	38071	38071	38071
Digital metering gun	Art.	37758	37758	38022	38022
Hose	Art.	996.304	996.304	996.304	996.304
Antisplash funnel	Art.	24891	24891	24891	24891
Trolley	Art.	-	-	-	-
Bung adaptor	Art.	-	-	-	-
Drum cover	Art.	-	-	-	-
Packing	N° - m³	3 - 0,230	3 - 0,230	3 - 0,230	3 - 0,230
Weight	kg	33	34	30,9	31,3
Dimensions (A - B - C)	cm	60 - 60 - 145,5	60 - 60 - 145,5	60 - 60 - 145,5	60 - 60 - 145,5



Antisplash funnel.
With antisplash
rim to prevent
the liquid from
spilling out when
filling the tank.





35260	35250	37500	35249	35259	37499	35264	35254	37504
3:1	3:1	5:1	3:1	3:1	5:1	3:1	3:1	5:1
20	14	18	20	14	18	20	14	18
35076	35173	36073	35076	35173	36073	35076	35173	36073
38071	38071	38071	38071	38071	38071	38071	38071	38071
37758	37758	37758	37758	37758	37758	37758	37758	37758
996.304	996.304	996.304	996.304	996.304	996.304	996.304	996.304	996.304
-	-	-	-	-	-	-	-	-
80050	80050	80050	-	-	-	-	-	-
-	-	-	38046	38042	38042	38046	38042	38042
-	-	-	-	-	-	65138	65138	65138
3 - 0,085	3 - 0,085	3 - 0,085	2 - 0,044	2 - 0,041	2 - 0,041	3 - 0,087	3 - 0,084	3 - 0,084
20	20	20,5	14,7	17,1	17,3	19,2	21,6	21,8
46 - 50 - 145,5	46 - 50 - 145,5	46 - 50 - 145,5	3,2 - 3,2 - 107,2	4,2 - 4,2 - 102,5	4,2 - 4,2 - 108,5	40 - 40 - 107,2	40 - 40 - 102,5	40 - 40 - 108,5

Art. 38071

Art. 35173

Art. 35076

Art. 36073

Art. 37758

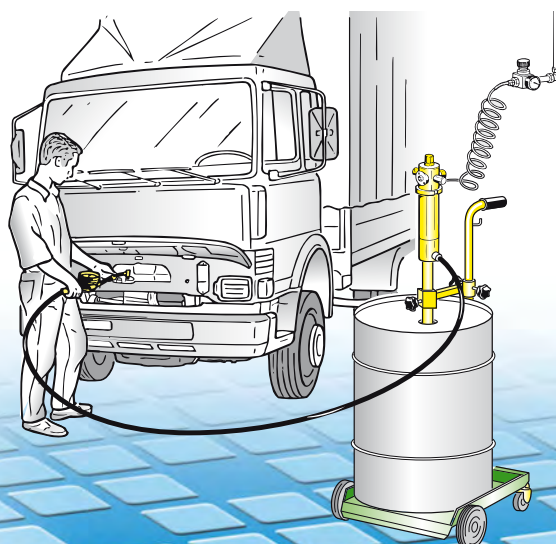
Art. 996.304

Art. 65138

Art. 38042

Art. 38046

Art. 80050



Engine oil filling up



Modular oil dispensing kit with hose reel

Oil dispensing system with pump applied on a drum or tank, equipped with open or enclosed swivelling hose reel series 420/440 and with digital metering gun. The kits are independent oil delivery station.

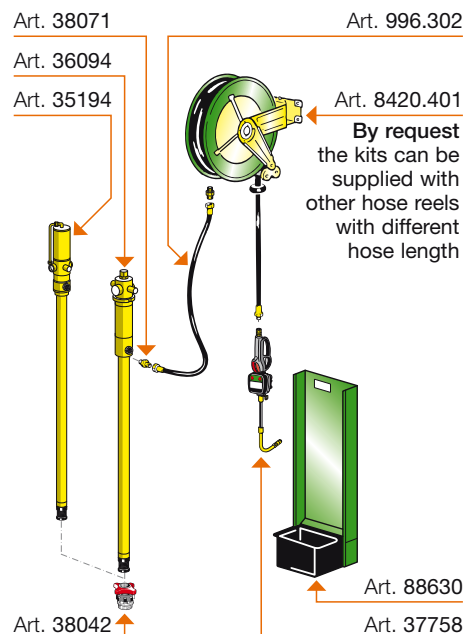
pump mounted on drum



Article		35275	37675
Ratio		3:1	5:1
Flow rate	l/min	14	18
Pump	Art.	35194	36094
Hose reel	Art.	8420.401	8420.401
Bung adaptor	Art.	38042	38042
Wall bracket	Art.	-	-
Nipple	Art.	38071	38071
Digital metering gun	Art.	37758	37758
Flexible suction tube	Art.	-	-
Rigid suction tube	Art.	-	-
Drip-tray	Art.	88630	88630
Packing	N° - m ³	4 - 0,128	4 - 0,128
Weight	kg	30,1	31,1
Dimensions (A - B - C) cm		94 - 90 - 220	94 - 90 - 220

Art. 88630 Modular drip-tray.

Equipped with hook for gun and removable drip-tray. Applied under the hose reel, it is a handy holder for the delivery gun. Essential for a clean and orderly workplace.

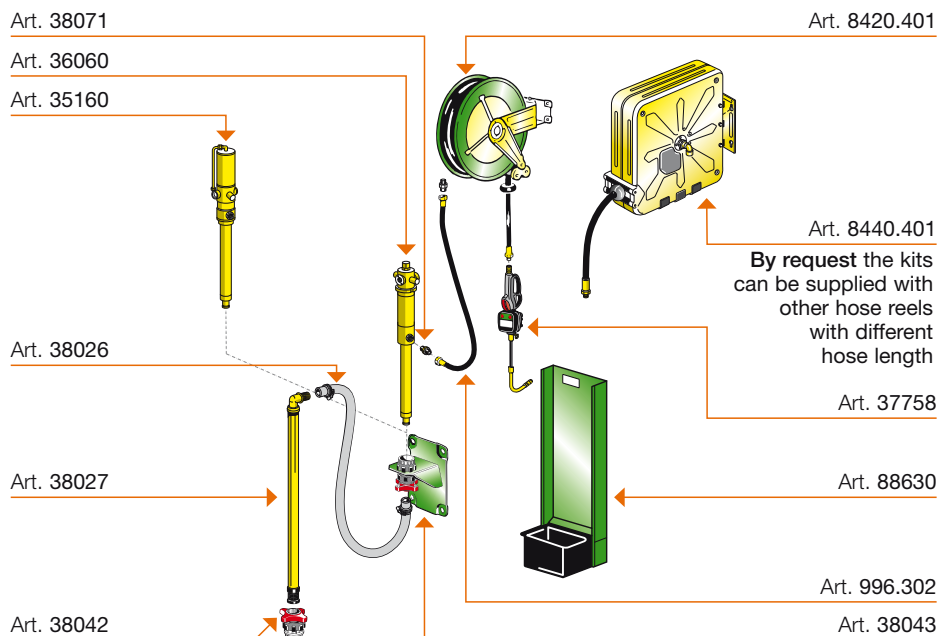
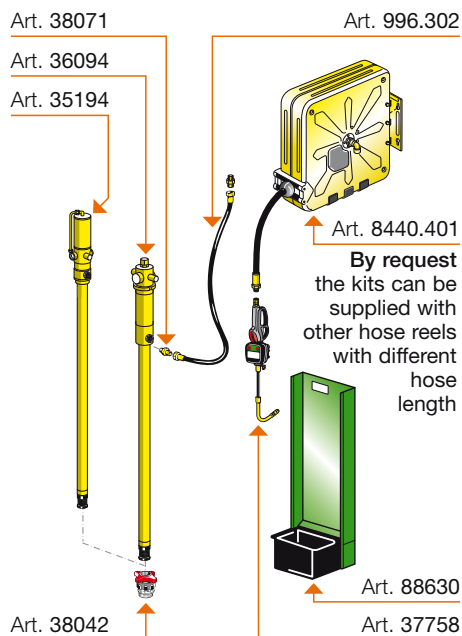


pump mounted on drum

wall mounted pump



35276	37676	35280	37680	35281	37679
3:1	5:1	3:1	5:1	3:1	5:1
14	18	14	18	14	18
35194	36094	35160	36060	35160	36060
8440.401	8440.401	8420.401	8420.401	8440.401	8440.401
38042	38042	38042	38042	38042	38042
-	-	38043	38043	38043	38043
38071	38071	38071	38071	38071	38071
37758	37758	37758	37758	37758	37758
-	-	38026	38026	38026	38026
-	-	38027	38027	38027	38027
88630	88630	88630	88630	88630	88630
4 - 0,130	4 - 0,130	4 - 0,130	4 - 0,130	4 - 0,135	4 - 0,135
37,1	38,1	38,5	39,5	45	45
94 - 90 - 220	94 - 90 - 220	170 - 90 - 220	170 - 90 - 220	170 - 90 - 220	170 - 90 - 220





Kit for DISPENSING from tank

**Oil dispensing kit from IBC tank,
equipped with wall mounted pump or
tank mounted pump.**

Kits with wall mounted pump can be
connected with centralized lube piping or
with an hose reel or a delivery hose.

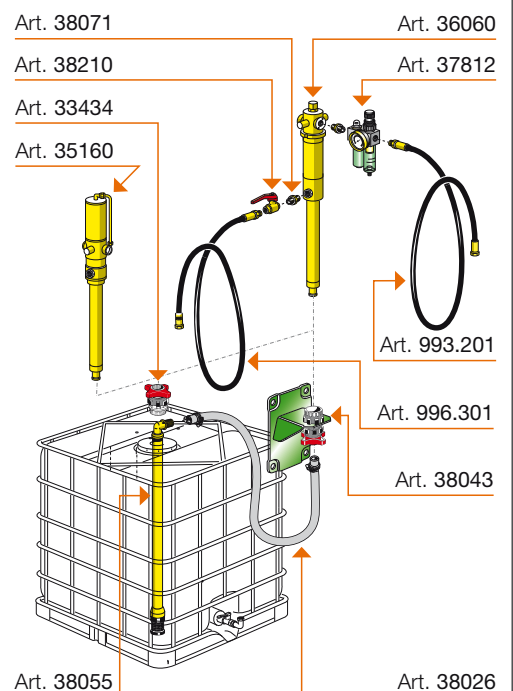
They are equipped with the accessories
for air and oil connections.

Kits with tank mounted pump are provided
with hose reel and digital metering gun.



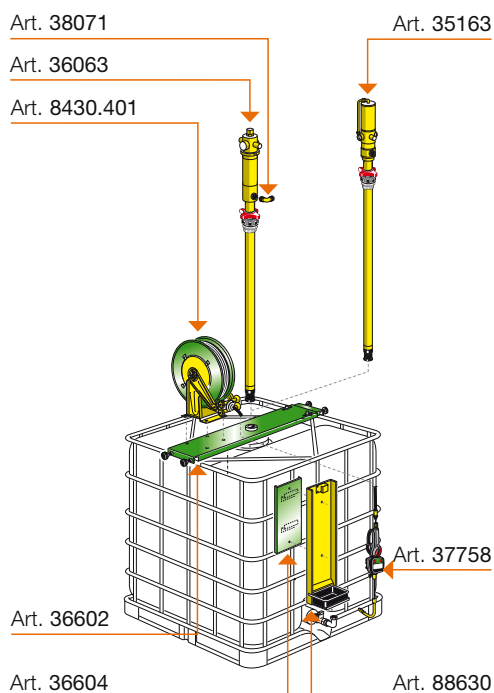
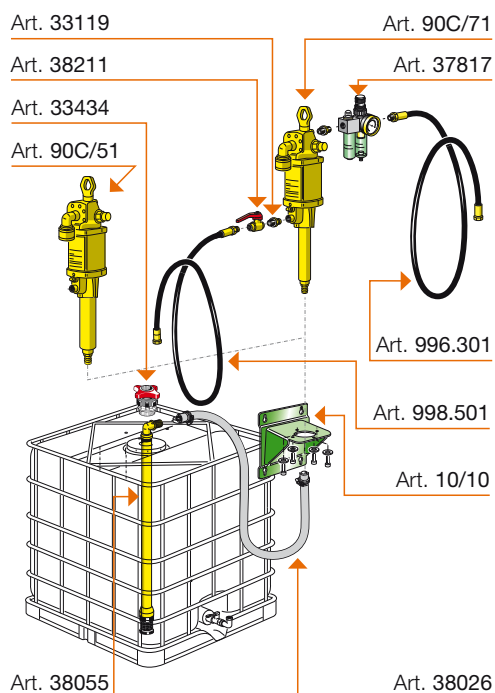
Note: the tank is not part of the kit

Article		35330	36330
Ratio		3:1	5:1
Flow rate	l/min	14	18
Pump	Art.	35160	36060
Pump support bracket	Art.	38043	38043
Support bracket drip-tray	Art.	-	-
Bung adaptor	Art.	33434	33434
Flexible suction tube	Art.	38026	38026
Rigid suction tube	Art.	38055	38055
Air hose connection	Art.	993.201	993.201
Oil hose connection	Art.	996.301	996.301
Cock	Art.	38210	38210
Nipple	Art.	38071	38071
Air regulator	Art.	37812	37812
Hose reel	Art.	-	-
Digital metering gun	Art.	-	-
Drip-tray	Art.	-	-
Packing	N° - m ³	2 - 0,040	2 - 0,040
Weight	kg	15	15
Support width (A)	cm	-	-



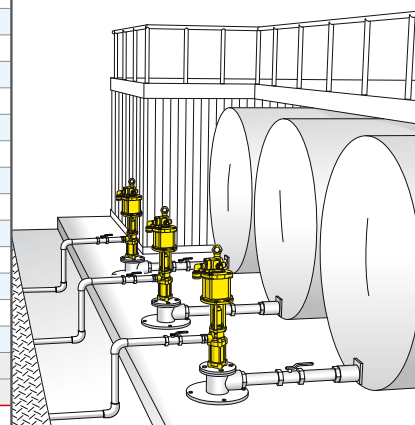
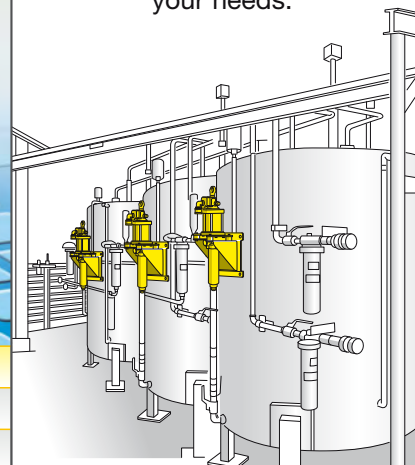


36340	36350	36610	36620
5:1	7:1	3:1	5:1
45	30	14	18
90C/51	90C/71	35163	36063
10/10	10/10	36602	36602
-	-	36604	36604
33434	33434	-	-
38026	38026	-	-
38055	38055	-	-
996.301	996.301	-	-
998.501	998.501	-	-
38211	38211	-	-
33119	33119	38071	38071
37817	37817	-	-
-	-	8430.401	8430.401
-	-	37758	37758
-	-	88630	88630
2 - 0,120	2 - 0,120	4 - 0,250	4 - 0,250
23	22	48	49
-	-	100	100



The possible solutions for equipping kits for tanks are many, due to the various shapes and sizes of the tanks (cube, rectangular, cylindrical) and the way in which the pump can be mounted (with suction tube dipped, connected to a cock on the bottom, etc.).

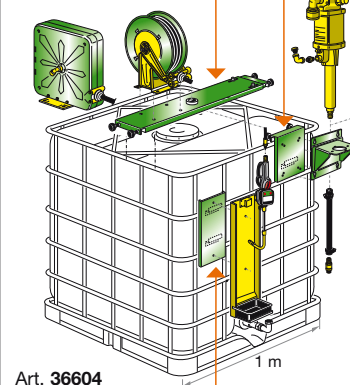
Therefore we recommend choosing the necessary components from among those indicated below, in order to make up the kit best suited to your needs.



Pump and hose reel supports available for personalized kit.

Art. 36603

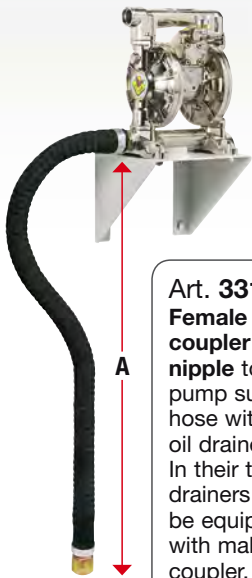
Art. 36602





Modular kit for TRANSFER or EMPTYING oil, waste oil and similar

Wall-mounted transfer kit. A practical solution for draining movable equipment, waste oil suction/drainers by means of connection with quick-coupling valve. Wall application enables connection to a fixed system for discharging the sucked liquid directly into the storage tank.

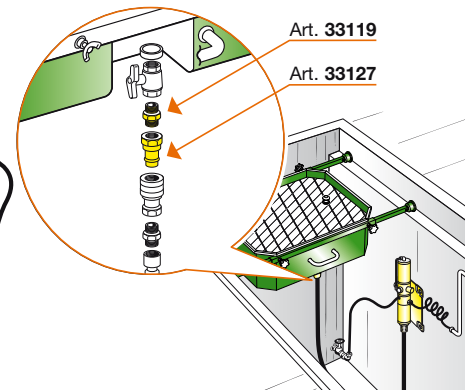


Art. 33134
Female quick coupler and nipple to connect pump suction hose with waste oil drainers. In their turn drainers must be equipped with male quick coupler.

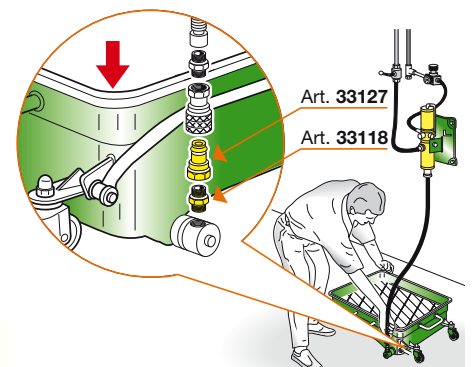
Article with seals in	VITON		33125
Article with seals in	NBR	33550	
Ratio		1:1	1:1
Flow rate	l/min	40	23
Pump	Art.	33/2011NHHV2	33070
Flexible suction tube 2 m	Art.	38026	38026
Air inlet flow regulator	Art.	37803	37803
Wall bracket	Art.	33590	33115
Packing	N° - m ³	1 - 0,030	1 - 0,029
Weight	Kg	14	8,4
Distance (A)	cm	150	150



1 Pit waste oil drainer



2 Floor waste oil drainer



3 Standard waste oil drainer

To connect waste oil drainers with above mentioned emptying kit it is necessary to mount a male quick coupler. Depending on the kind of waste oil drainers (standard, for pit or floor mounted) a different nipple must be used as shown in the examples (Pic. 1 - 2 - 3).

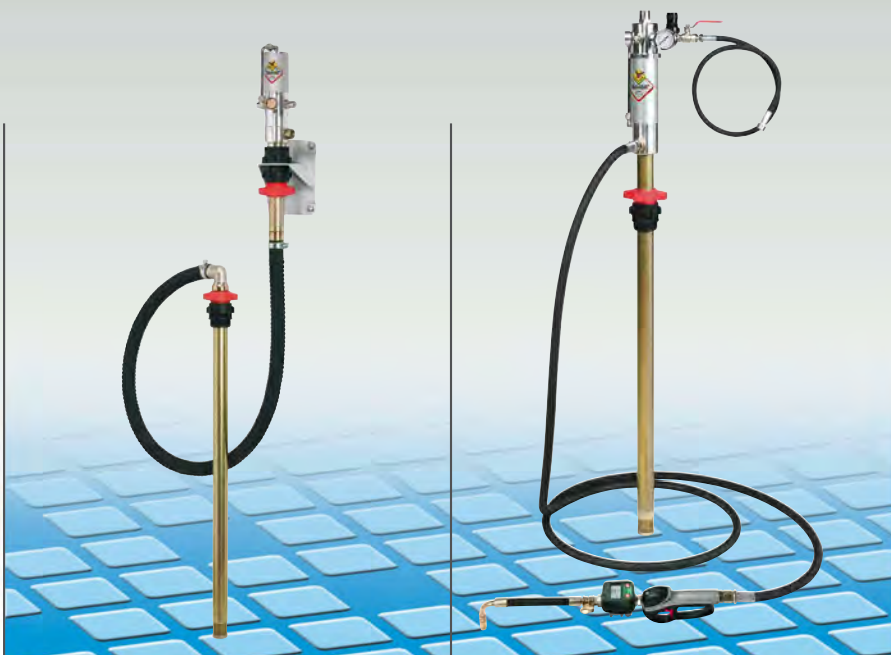




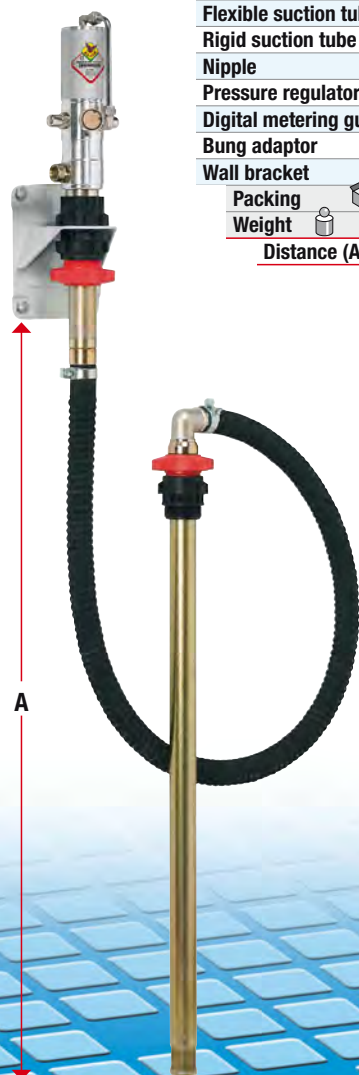
Modular TRANSFER kit

transfer kit

Oil dispensing system with wall mounted or drum mounted pump.
Kits with wall mounted pump can be connected with centralized lube piping or with an hose reel or a delivery hose.
Kits with tank mounted pump are provided with hose reel and digital metering gun.
The rigid suction tube can be lengthened by means of modular elements (refer to page 112 - 113) for adapting to the height of the tanks.



Article with seals in	VITON	35284			35290		
Article with seals in	NBR		35285	37685		35293	35296
Ratio		3:1	3:1	5:1	3:1	3:1	5:1
Flow rate	l/min	20	14	18	20	14	18
Pump	Art.	35060	35160	36060	35094	35194	36094
Delivery hose	Art.	-	-	-	996.304	996.304	996.304
Connection hose	Art.	-	-	-	993.201	993.201	993.201
Flexible suction tube	Art.	38026	38026	38026	-	-	-
Rigid suction tube	Art.	38027	38027	38027	-	-	-
Nipple	Art.	-	-	-	38071	38071	38071
Pressure regulator	Art.	-	-	-	37801	37801	37801
Digital metering gun	Art.	-	-	-	37758	37758	37758
Bung adaptor	Art.	38042	38042	38042	38046	38042	38042
Wall bracket	Art.	38047	38043	38043	-	-	-
Packing	N° - m³	1 - 0,029	1 - 0,029	1 - 0,029	2 - 0,070	2 - 0,085	2 - 0,085
Weight	Kg	11,4	11,4	11,9	14	13,5	13,5
Distance (A)	cm	150	150	150	-	-	-



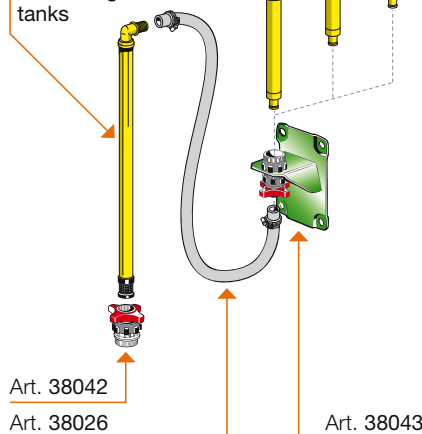
Art. 36060

Art. 35060

Art. 35160

Art. 38027

The rigid suction tube can be lengthened by means of modular elements (refer to page 112 - 113) for adapting to the height of the tanks



Art. 38042

Art. 38026

Art. 38043

Art. 35194

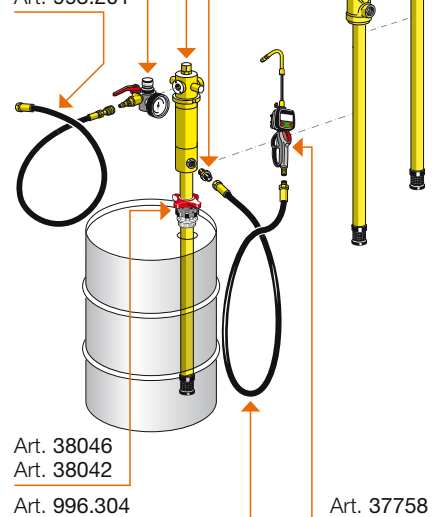
Art. 35094

Art. 38071

Art. 36094

Art. 37801

Art. 993.201



Art. 38046

Art. 38042

Art. 996.304

Art. 37758



Oil BAR

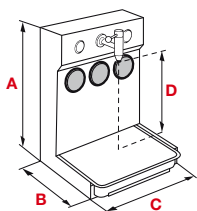
wall-mounted

Oil bar ideal for dispensing engine oil, gear oil, antifreeze and similar liquids. It offers the availability of to 3 different types of oil. Quick and easy drawing of oil with possibility of controlling the quantity by means of the digital litre-counter available on request. Tap with double **valve** and **antisplash filter** to guarantee delivery while preventing sprays caused by possible air bubbles in the system. Closing is automatic when the lever is released. Equipped with an easy to clean, removable drip-catcher tray and sturdy support grid.



Article		37690	37689	37688	37691	37687	37686
Tap for oil bar	Art.	37692 x 1	37692 x 2	37692 x 3	37692 x 1	37692 x 2	37692 x 3
Digital litre-counter kit	Art.	-	-	-	37830 x 1	37830 x 2	37830 x 3
Packing	N° - m³	1 - 0,136	1 - 0,136	1 - 0,136	1 - 0,136	1 - 0,136	1 - 0,136
Weight	kg	23,8	25	26,2	25	26,5	28
Dimensions (A - B - C - D)cm		67 - 44 - 56 - 46	67 - 44 - 56 - 46	67 - 44 - 56 - 46	67 - 44 - 56 - 46	67 - 44 - 56 - 46	67 - 44 - 56 - 46

Note: a max of 3 taps and 3 digital litre-counter kits can be fitted on the oil bar



Kit feeding pump

Art. 37695

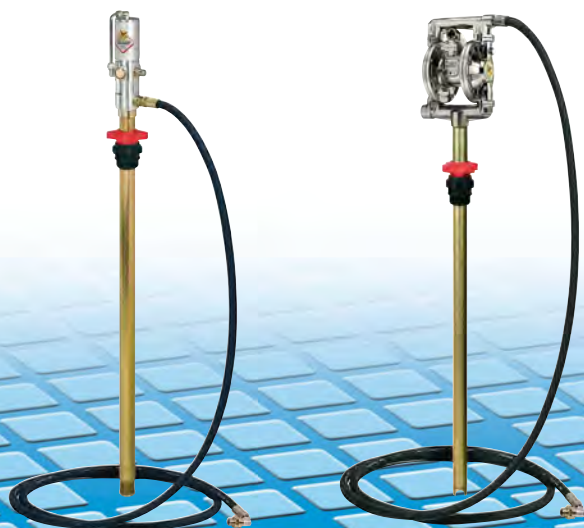
Kit with drum pump for feeding oil bar, equipped with:

- Art. 35194 pump
- **R 3:1 - 14 l/min**
- Art. 38042 bung adaptor
- Art. 996.304 hose 1/2" 4m
- elbow M 1/2" x M 1/2"
- nipple M 1/2" x F 1/2"

Art. 33501

Kit with drum pump for feeding oil bar, equipped with:

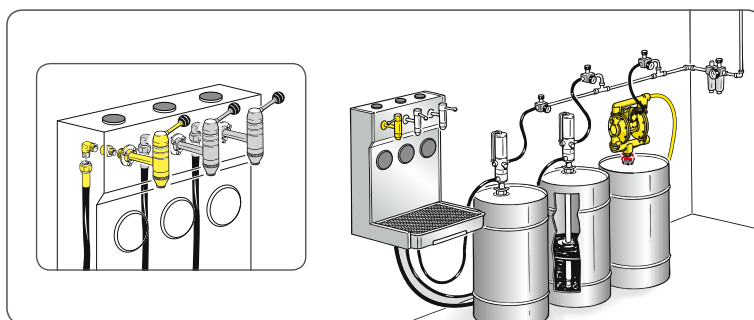
- Art. 33500 diaphragm pump
- **R 1:1 - 60 l/min**
- Art. 996.304 tube 1/2" 4m
- Art. 33118 nipple M 3/4" x M 1/2"
- elbow F 1/2" x M 1/2"
- nipple M 1/2" x F 1/2"



Example of installation

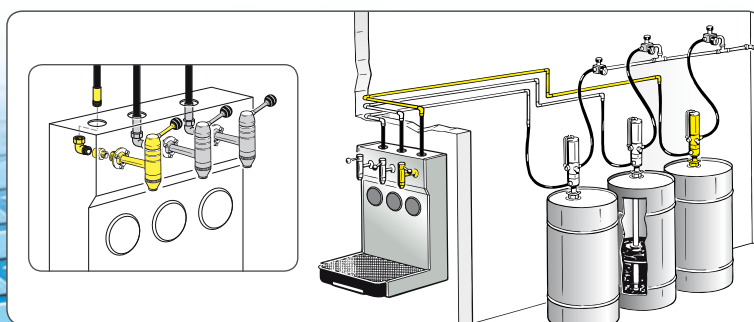
Example of installation with hose.

Example of installation of an oil bar with three service taps connected by hoses to the feeder pumps. This type of connection is only recommended for short distances. After the air is connected to the pump, by operating the tap handle, it will always be ready to use.



Example of installation to fixed system.

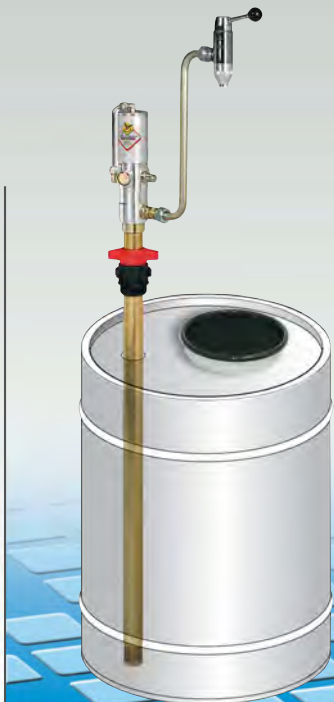
Example of installation to a fixed system with the oil bar connected to a centralized system by means of a 60 cm hose.



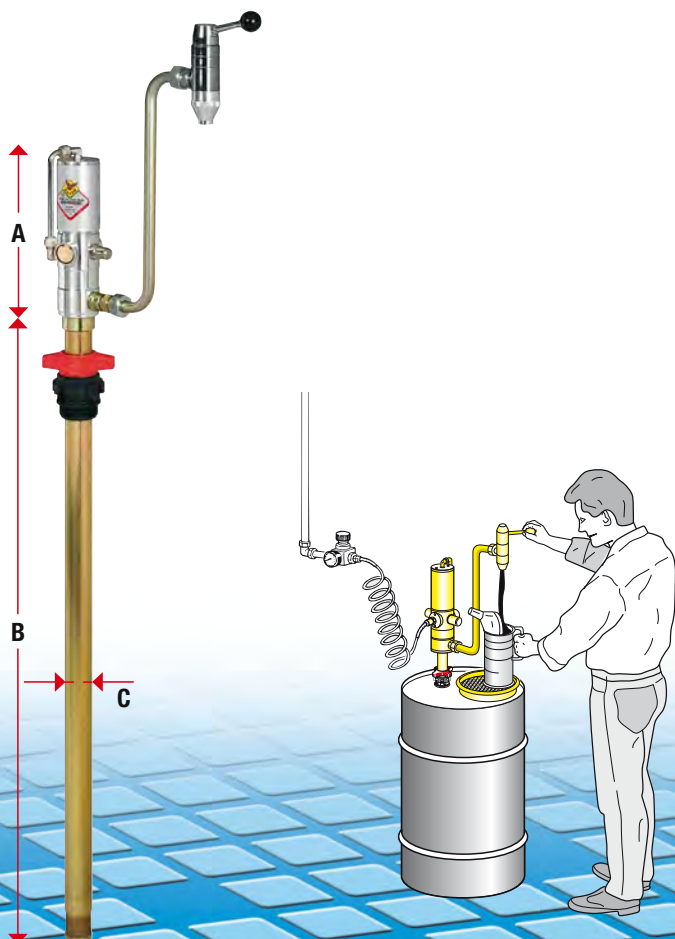


Drum oil BAR

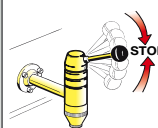
Drum oil bar.
Ideal for dispensing oil and antifreeze liquid.
The delivery tap is connected directly to the feed pump. Very compact, it enables quick filling of jugs or other small containers.



Article		37697	37698
Ratio		3:1	3:1
Flow rate		14	14
Pump	Art.	35194	35194
Tap for oil bar	Art.	37683	37683
Drip-catcher tray	Art.	37699	-
Bung adaptor	Art.	38042	38042
Packing	№ - m ³	2 - 0,034	2 - 0,025
Weight	kg	12	9,5
Dimensions (A-B-C) cm		28,5 - 94 - 4,2	28,5 - 94 - 4,2

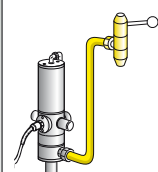


OIL BAR ACCESSORIES

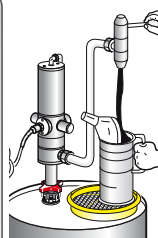


Art. 37692
Double valve tap
with antisplash
filter for oil bar inlet
connection
F 1/2" + M 3/4"

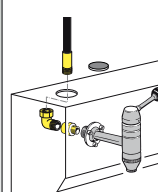
Note: both articles guarantee maximum delivery while preventing sprays caused by possible air bubbles in the system. Closing is automatic upon releasing the lever



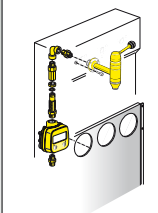
Art. 37683
Oil tap with pump
connection,
equipped with:
- Art. 37681 tap for
oil bar
- Art. 37682 pump
- oil bar tap
connection tube



Art. 37699
Drip-catcher
tray



Art. 37693
Kit for connecting
oil bar to
fixed system,
equipped with:
- Art. 996.301 tube
M 1/2" x F 1/2" - 1 m
- elbow
M 1/2" x F 1/2"
- nipple
M 1/2" x F 1/2"



Art. 37830
Digital litre-counter
kit for oil bar,
equipped with:
- Art. 37780
digital litre-counter
- connection unions
- connections
M 1/2" x F 1/2"



Art. 38102
2-litre jug

Art. 38105
5-litre jug

* articles not manufactured by us



DIGITAL Meter

Flow rate **35** l/min

Flow rate **70** l/min

Flow rate **40** l/min

RAASM's digital meters, besides gauging the liquid delivered, can show instant flow rates, provide a reset total and allow the setting of different units of measurement.

RAASM's digital meters are suitable for a wide variety of fluids, from low to medium to high viscosities, including lubricants, diesel fuel, antifreeze, window wash liquid and other fluids compatible with the material of the meter.

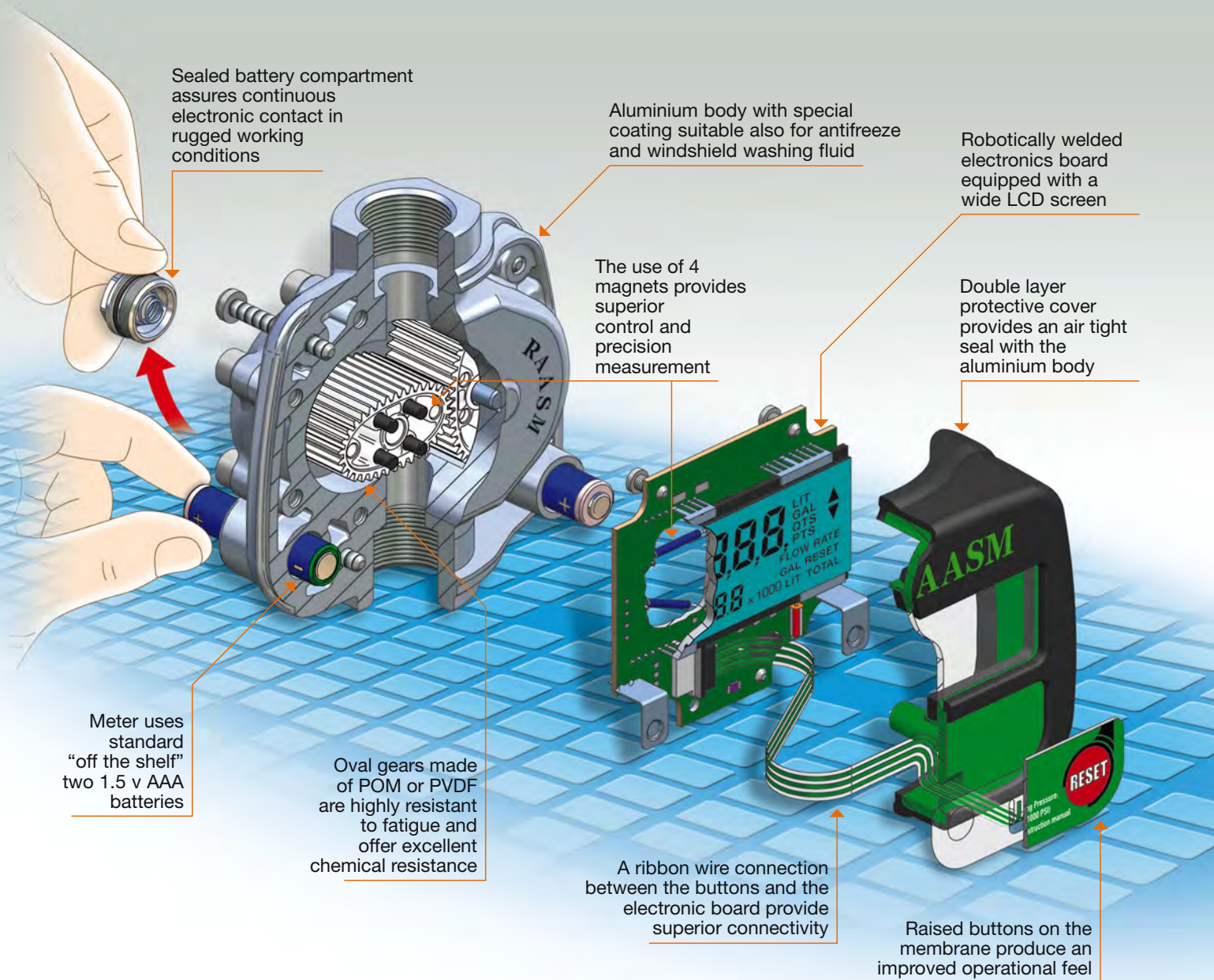


Not type-approved for public use

	oil and similar products	oil and similar products	antifreeze and windshield washing liquid
Article	37780	37781	37785
Flow rate l/min	35	70	40
Compatible fluids	Oil and similar products, diesel fuel	Oil and similar products, diesel fuel	Antifreeze and windshield washing liquid
Body's material	Aluminium	Aluminium	oxidized aluminium
Gear's material	POM	POM	PVDF
Inlet	F 1/2" BSP	F 3/4" BSP	F 1/2" BSP
Outlet	F 1/2" BSP	F 3/4" BSP	F 1/2" BSP
Max operating pressure bar	70	70	70
Burst pressure bar	± 200	± 200	± 200
Accuracy	± 0,3 %	± 0,5 %	± 0,5 %
Net weight kg	0,485	0,790	0,485
Packing  N° - m³	1 - 0,0015	1 - 0,0018	1 - 0,0015
Gross weight  kg	0,85	1	0,85
Dimensions (A - B - C) mm	94 - 90 - 55	94 - 92 - 77	94 - 90 - 55



TECHNICAL Features



PERFORMANCE

- Precision $\pm 0,3 \%$
- Repeatability 0,2 %
- Pressure loss < 0,5 bar at max. flow rate



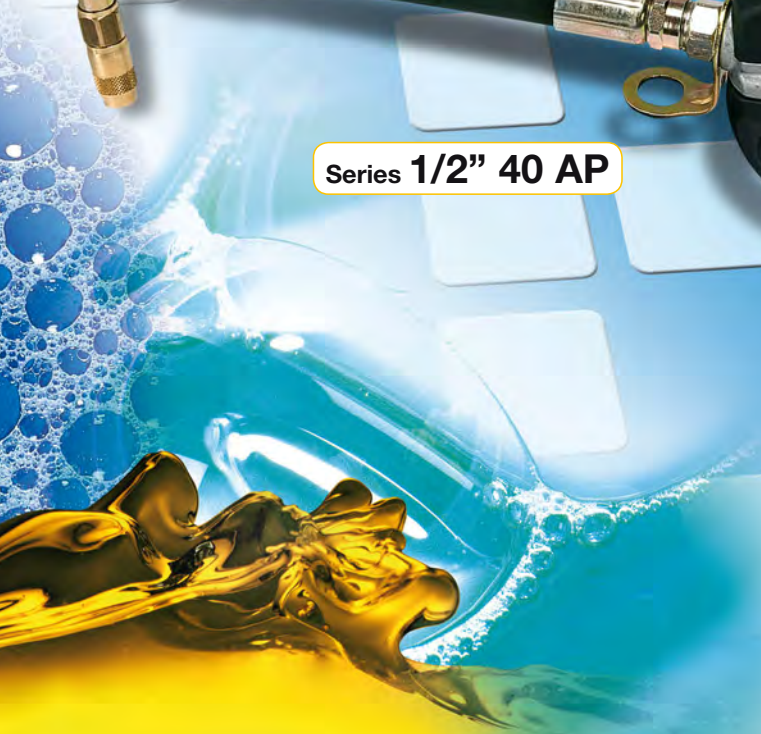
Series 1/2" 30 TP



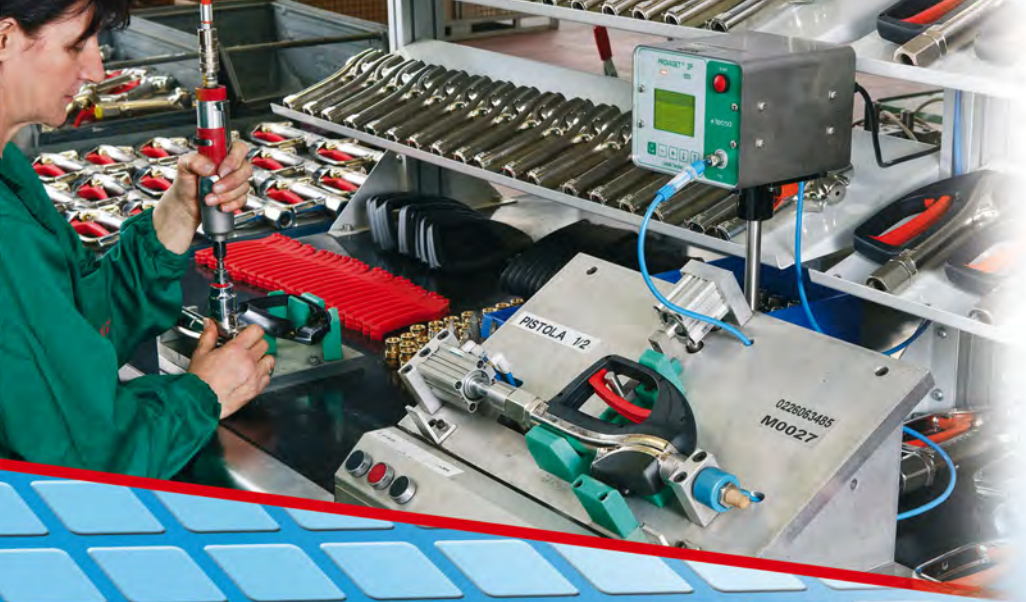
Series 1/2" 40 AL



Series 1/2" 40 AP



Series		1/2" 30 AT	1/2" 40 AL	1/2" 40 AP	1/2" 65 AP	3/4" 70 AP	3/4" 85 AP
Flow rate	l/min	30	40	40	65	70	85
Max pressure	bar	60	70	70	100	100	100
Inlet union		F 1/2" G	F 1/2" G	F 1/2" G	F 1/2" G	F 3/4" G	F 3/4" G
Seals		NBR	Viton	Viton	Viton	Viton	Viton



**Gun for oil
and similar**

Series 1/2" 65 AP



Series 3/4" 70 AP



Series 3/4" 85 AP



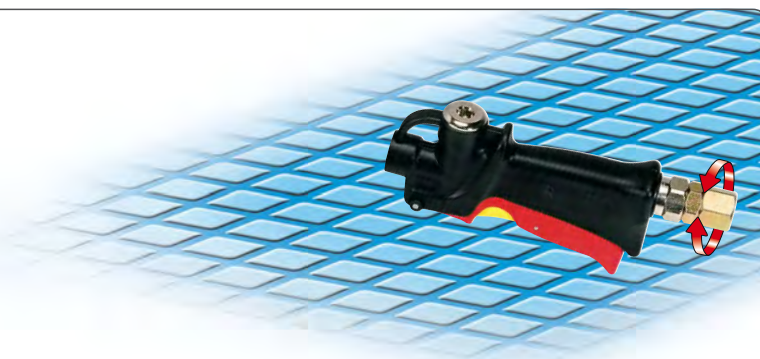


GUN for oil and similar Series 1/2" - 30TP

Art. 38023

Grip in technopolymer for oil gun

equipped with F 1/2" inlet swivel joint, filter, F 3/8" outlet



Art. 33120

Oil gun equipped with

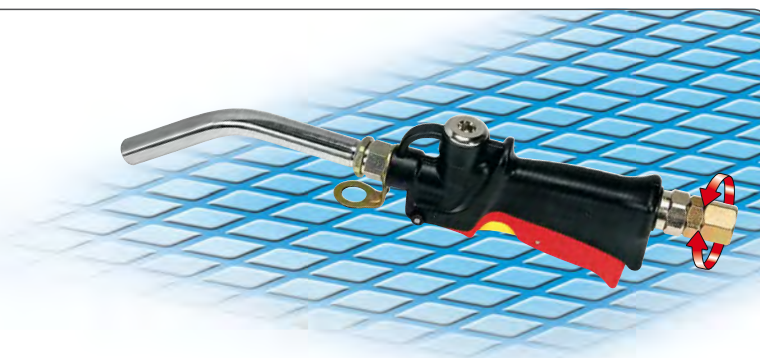
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal

Art. 37730

Oil gun with digital litre-counter

Art. 37780 equipped with

F 1/2" inlet swivel joint, filter, high flow rate rigid terminal



Art. 38024

Oil gun equipped with

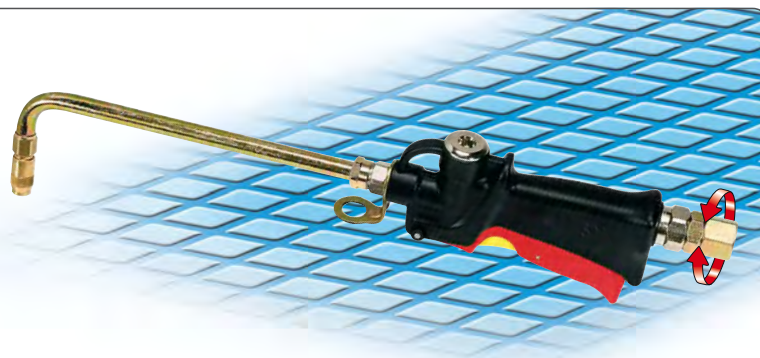
F 1/2" inlet swivel joint, filter, rigid terminal
and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37729

Oil gun with digital litre-counter

Art. 37780 equipped with

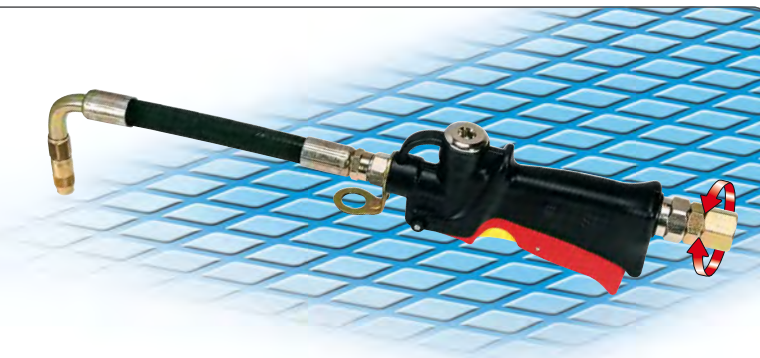
F 1/2" inlet swivel joint, filter, rigid terminal
and semiautomatic drip-catcher nozzle ø 16 mm



Art. 38025

Oil gun equipped with

F 1/2" inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm

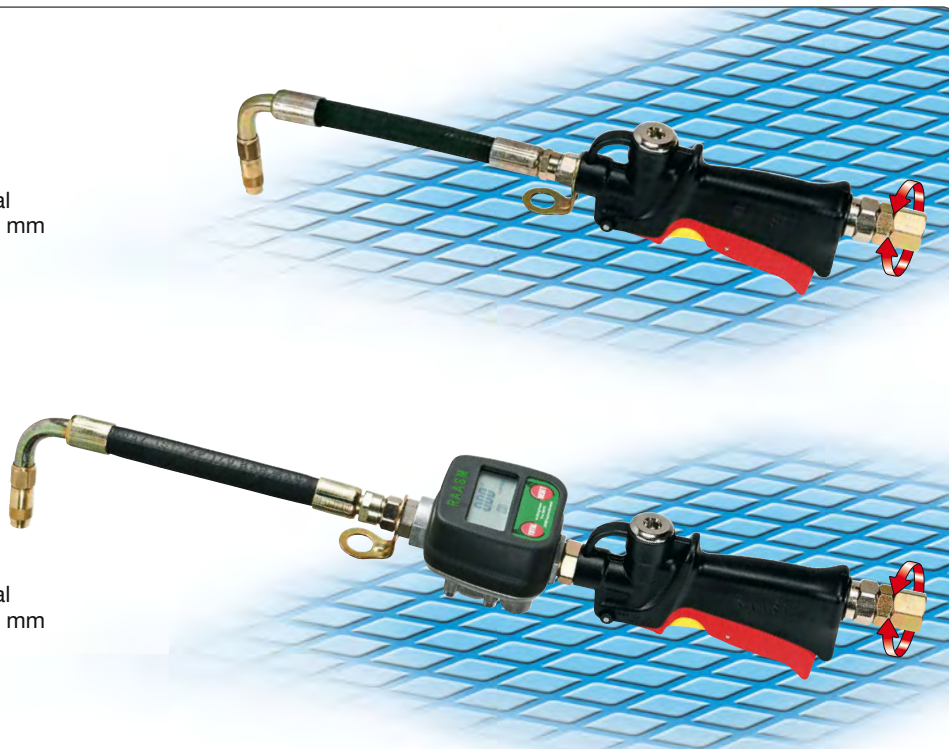


Art. 37728

Oil gun with digital litre-counter

Art. 37780 equipped with

F 1/2" inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm





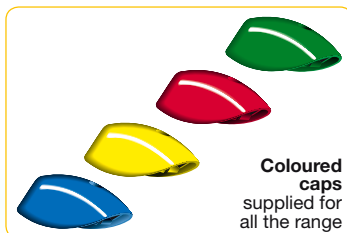
GUN for oil and similar Series 1/2" - 40AL - 40AP

Art. 38020

Grip in aluminium for oil gun
equipped with
F 1/2" inlet swivel joint, filter, F 3/8" outlet

Art. 37740

Grip in aluminium for oil gun
equipped with
F 1/2" inlet swivel joint, filter, F 3/8" outlet,
lever locking button



lever locking button



Art. 33121

Oil gun equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal

Art. 37743

Oil gun equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal,
lever locking button

Art. 37760

Oil gun with digital litre-counter

Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, high flow rate rigid terminal



Art. 38021

Oil gun equipped with
F 1/2" inlet swivel joint, filter, rigid terminal
and semiautomatic drip-catcher nozzle ø 16 mm

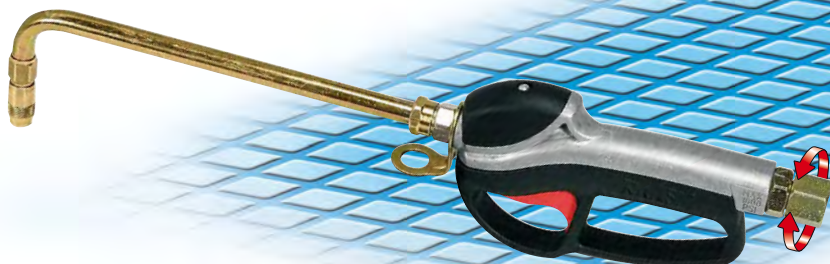
Art. 37742

Oil gun equipped with F 1/2" inlet swivel joint,
filter, rigid terminal, semiautomatic drip-catcher
nozzle ø 16 mm and lever locking button

Art. 37759

Oil gun with digital litre-counter

Art. 37780 equipped with F 1/2" inlet swivel joint,
filter, rigid terminal, semiautomatic drip-catcher nozzle ø 16 mm



Art. 38022

Oil gun equipped with
1/2" F inlet swivel joint, filter, flexible terminal
and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37741

Oil gun equipped with
F 1/2" inlet swivel joint, filter, flexible terminal,
semiautomatic drip-catcher nozzle ø 16 mm and lever locking button



Art. 37758

Oil gun with digital litre-counter

Art. 37780 equipped with
F 1/2" inlet swivel joint, filter, flexible
terminal and semiautomatic drip-catcher nozzle ø 16 mm

Art. 37786

Oil gun with digital litre-counter

Art. 37780 equipped with F 1/2" inlet swivel joint, filter,
flexible terminal, semiautomatic drip-catcher nozzle ø 16 mm
and lever locking button





GUN for oil and similar Series 1/2" - 65AP

Art. 37750

Grip in aluminium for oil gun equipped with **F 1/2"** inlet swivel joint, filter, **F 1/2"** outlet and lever locking button



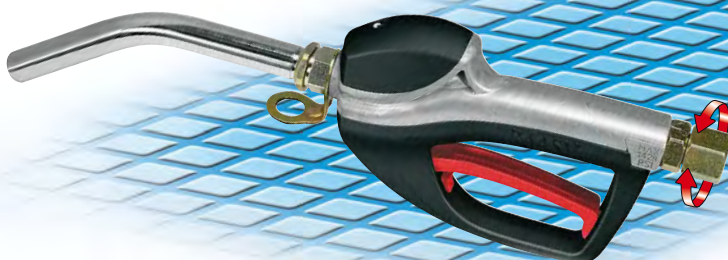
Coloured caps
supplied for
all the range

lever locking button



Art. 33140

High flow rate oil gun equipped with **F 1/2"** inlet swivel joint, filter, high flow rate rigid terminal and lever locking button



Art. 37796

High flow rate oil gun with digital litre-counter Art. 37780 equipped with **F 1/2"** inlet swivel joint, filter, high flow rate rigid terminal and lever locking button

Art. 37752

Oil gun equipped with **F 1/2"** inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button



Art. 37795

Oil gun with digital litre-counter Art. 37780 equipped with **F 1/2"** inlet swivel joint, filter, rigid terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button

Art. 37751

Oil gun equipped with **F 1/2"** inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button



Art. 37794

Oil gun with digital litre-counter Art. 37780 equipped with **F 1/2"** inlet swivel joint, filter, flexible terminal, semiautomatic drip-catcher nozzle ø 21 mm and lever locking button





GUN for oil and similar Series 3/4" - 70AP

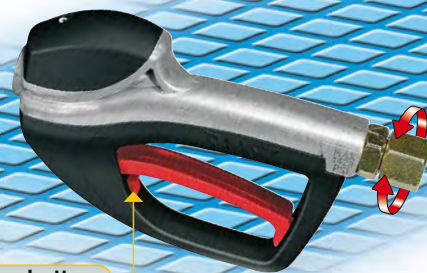
Art. 37775

High delivery oil grip equipped with
F 3/4" inlet swivel joint, filter, **F 1/2"** outlet
and lever locking button



Coloured caps
supplied for
all the range

lever locking button

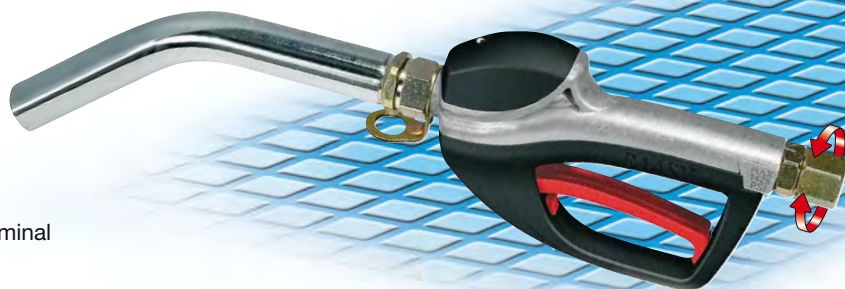


Art. 37778

High flow rate oil gun equipped with
F 3/4" inlet swivel joint, filter, high flow rate rigid
terminal and lever locking button

Art. 37799

**High flow rate oil gun with digital
litre-counter** Art. 37781 equipped with
F 3/4" inlet swivel joint, filter, high flow rate rigid terminal
and lever locking button

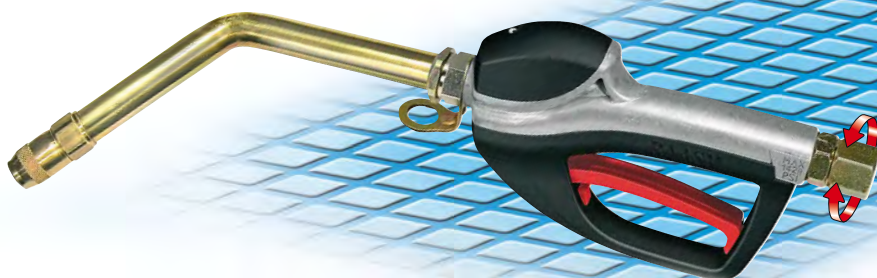


Art. 37777

High flow rate oil gun equipped with
F 3/4" inlet swivel joint, filter, rigid terminal 45°,
semiautomatic drip-catcher nozzle ø 35 mm
and lever locking button

Art. 37798

**High flow rate oil gun with digital
litre-counter** Art. 37781 equipped with **F 3/4"**
inlet swivel joint, filter, rigid terminal 45°,
semiautomatic drip-catcher nozzle ø 35 mm
and lever locking button

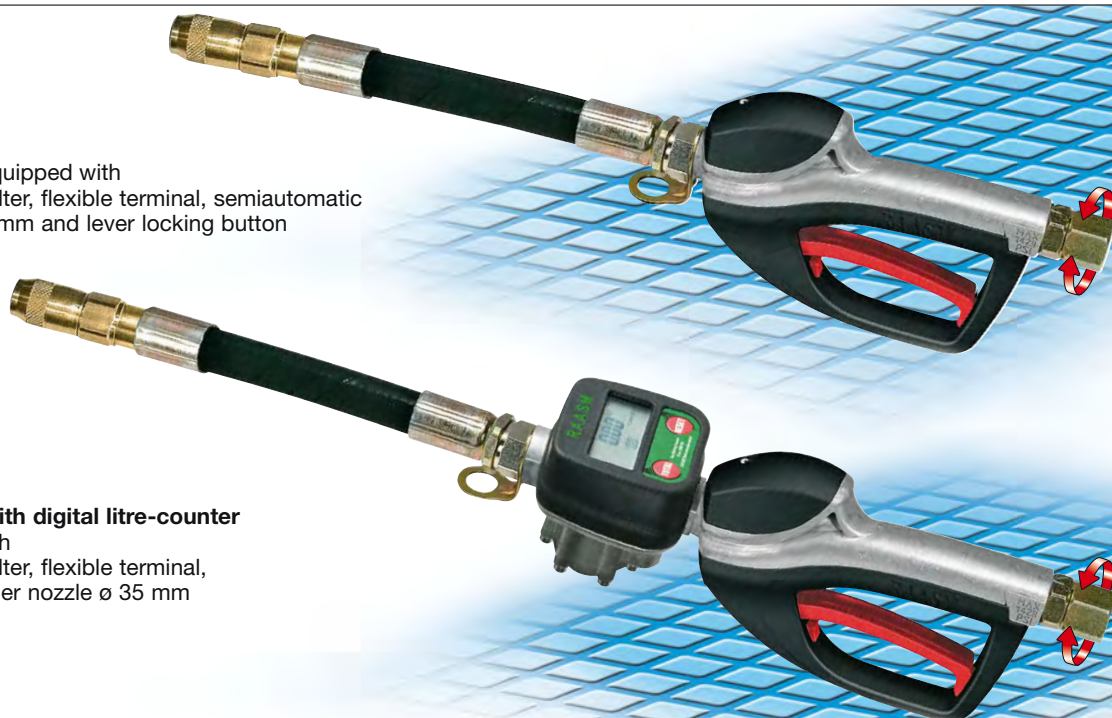


Art. 37776

High flow rate oil gun equipped with
F 3/4" inlet swivel joint, filter, flexible terminal, semiautomatic
drip-catcher nozzle ø 35 mm and lever locking button

Art. 37797

High flow rate oil gun with digital litre-counter
Art. 377810 equipped with
F 3/4" inlet swivel joint, filter, flexible terminal,
semiautomatic drip-catcher nozzle ø 35 mm
and lever locking button



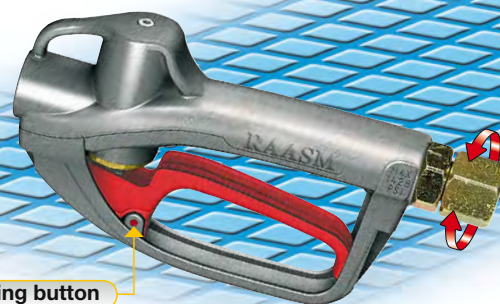


GUN for oil and similar Series 3/4" - 85AP

Art. 33150

High delivery oil grip equipped with **F 3/4"** inlet swivel joint, filter, **F 3/4"** outlet and lever locking button

lever locking button

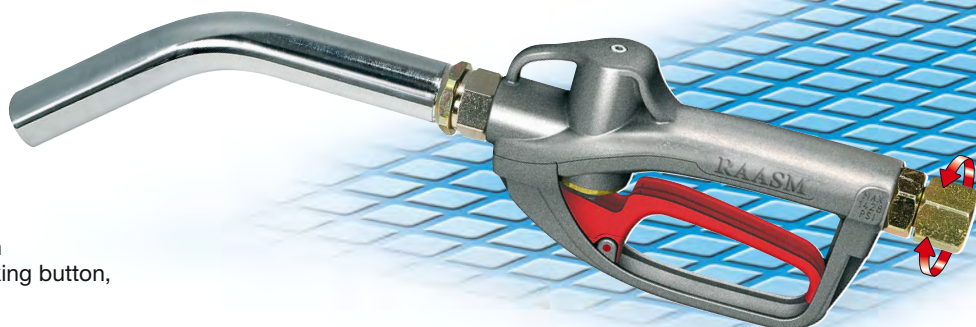


Art. 33153

High delivery oil gun grip equipped with **F 3/4"** inlet swivel joint, filter, lever locking button, rigid terminal with free outlet

Art. 33148

High delivery oil gun grip with digital litre-counter Art. 37781 equipped with **F 3/4"** inlet swivel joint, filter, lever locking button, rigid terminal with free outlet

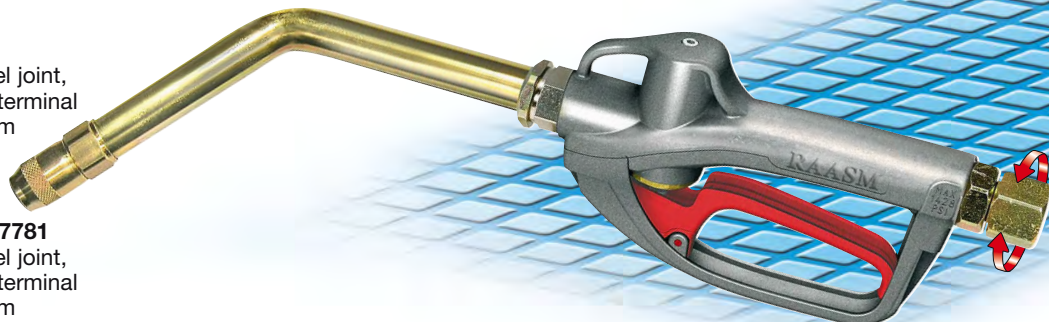


Art. 33152

High delivery oil gun grip equipped with **F 3/4"** inlet swivel joint, filter, lever locking button, rigid terminal and drip-catcher nozzle ø 35 mm

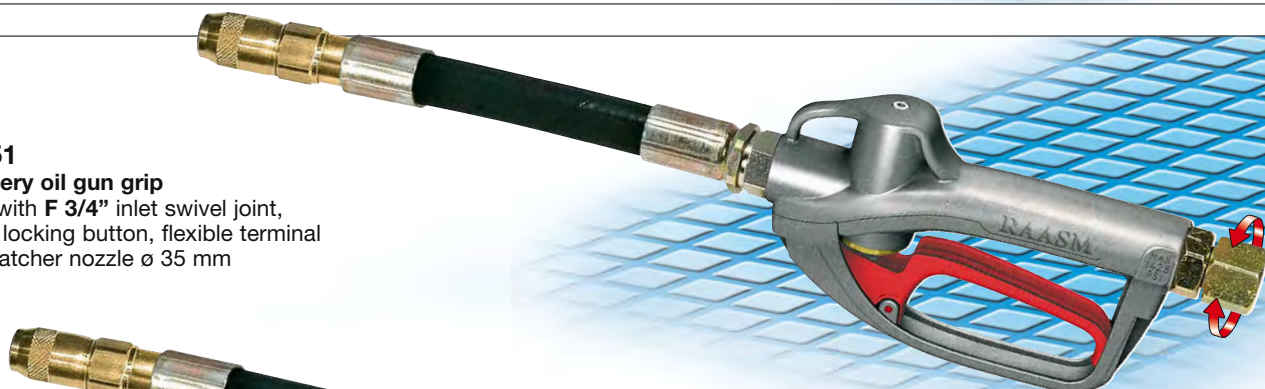
Art. 33147

High delivery oil gun grip with digital litre-counter Art. 37781 equipped with **F 3/4"** inlet swivel joint, filter, lever locking button, rigid terminal and drip-catcher nozzle ø 35 mm



Art. 33151

High delivery oil gun grip equipped with **F 3/4"** inlet swivel joint, filter, lever locking button, flexible terminal and drip-catcher nozzle ø 35 mm



Art. 33146

High delivery oil gun grip with digital litre-counter Art. 37781 equipped with **F 3/4"** inlet swivel joint, filter, lever locking button, flexible terminal and drip-catcher nozzle ø 35 mm





GUN

for windshield washing liquid and antifreeze

Art. 37785

Digital meter for windshield washing liquid and antifreeze, inlet and outlet F 1/2" BSP



Antifreeze gun Series 1/2" - 40AL

Art. 37764

Antifreeze gun with digital litre-counter Art. 37785 equipped with F 1/2" inlet swivel joint, filter, high flow rate rigid terminal and lever locking button



Art. 37762

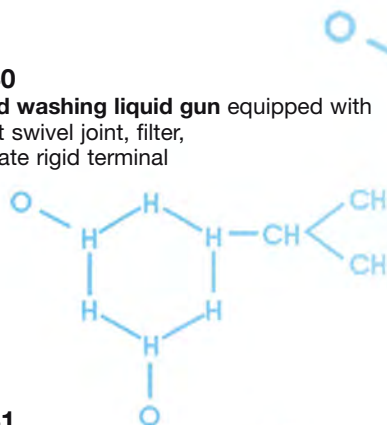
Antifreeze gun with digital litre-counter Art. 37785 equipped with F 1/2" inlet swivel joint, filter, flexible terminal and semiautomatic drip-catcher nozzle ø 16 mm



Windshield washing liquid gun Series 1/2" - 30TL

Art. 33440

Windshield washing liquid gun equipped with F 1/2" inlet swivel joint, filter, high flow rate rigid terminal



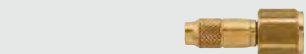
Art. 33441

Windshield washing liquid gun with digital litre-counter Art. 37785 equipped with F 1/2" inlet swivel joint, filter, high flow rate rigid terminal





Gun for oil and similar S. 1/2" - 30TP - 40AL - 40AP



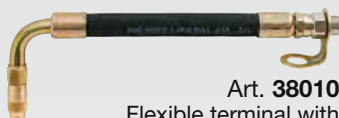
Art. 38015
Semiautomatic
drip-catcher nozzle ø 10 mm



Art. 38016
Semiautomatic
drip-catcher nozzle ø 16 mm



Art. 38017
Semiautomatic
drip-catcher nozzle ø 8 mm



Art. 38010
Flexible terminal with
semiautomatic
drip-catcher nozzle ø 16 mm



Art. 38011
Rigid terminal with
semiautomatic
drip-catcher nozzle ø 16 mm



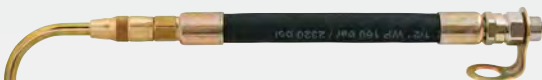
Art. 38013
Rigid terminal 45°
with semiautomatic drip-catcher
nozzle ø 16 mm



Art. 38012
High delivery rigid
terminal with free outlet ø 20 mm



Art. 38018
Curved semiautomatic
drip-catcher ø 8 mm



Art. 38014
Flexible terminal with
semiautomatic
curved-drip-catcher nozzle ø 8 mm



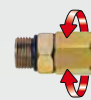
Art. 38023
Grip in technopolymer with
inlet swivel joint F 1/2"



Art. 38020
Grip in aluminium alloy
with inlet swivel
joint F 1/2"



Art. 37740
Grip in aluminium alloy
with F 1/2" inlet swivel joint
and lever locking button



Art. 38062
Swivel
joint for
oil gun,
M/F 1/2"

Gun for oil and similar Series 1/2" - 65AP



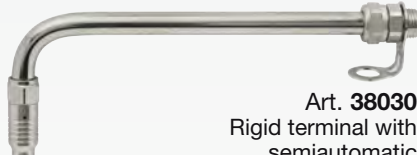
Art. 38034
Semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38035
Semiautomatic
drip-catcher nozzle ø 27 mm



Art. 38029
Flexible terminal with
semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38030
Rigid terminal with
semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38031
Rigid terminal 45°
with semiautomatic
drip-catcher nozzle ø 21 mm



Art. 38032
High delivery rigid
terminal with free outlet ø 20 mm



Art. 37750
Grip in aluminium alloy
with inlet swivel joint F 1/2"
and lever locking button



Art. 38063
Swivel
joint for
oil gun,
M/F 1/2"

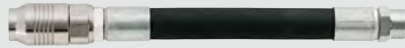


Gun for oil and similar Series 3/4" - 70AP - 85AP

Art. 38040
High delivery
semiautomatic
drip-catcher nozzle
ø 35 mm



Art. 38037
High delivery
flexible terminal
with semiautomatic
drip-catcher nozzle ø 35 mm



Art. 38038
High delivery rigid
terminal 45° with
semiautomatic drip-catcher
nozzle ø 35 mm



Art. 38039
High delivery rigid
terminal with
free outlet ø 26 mm



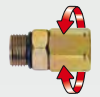
Art. 37775
Grip in aluminium alloy
with inlet swivel
joint F 3/4" and lever
locking button



Art. 38066
Swivel
joint for
oil gun,
M/F 3/4"



Art. 33150
Grip in aluminium alloy
with inlet swivel
joint F 3/4" and level
locking button



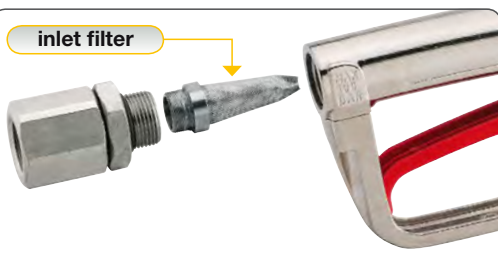
Art. 38065
Swivel joint for oil
gun, high delivery,
inlet M/F 3/4"

High delivery grip Series 3/4"

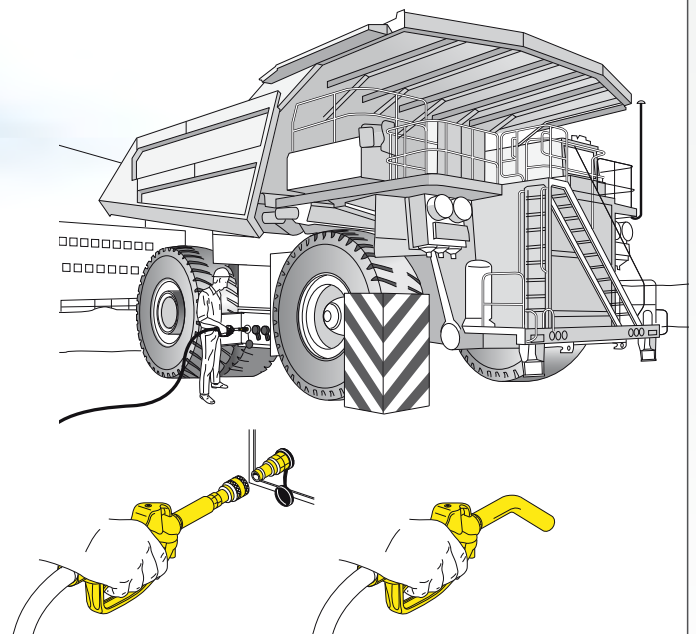
Example of used 3/4" oil gun with
quick coupler for tank refilling.



inlet filter



Inlet filter supplied with all our oil,
antifreeze, windshield liquid delivery gun.





Accessories

digital meters and volumetric guns



Art. 37704

Digital dispensing oil gun with preselection,

equipped with:

- inlet swivel joint **F 1/2"**
- adjustable rigid terminal
- automatic closing nozzle $\varnothing$ 16 mm

* not type-approved for public use

* articles not manufactured by us



Art. 37701

Mechanical litre-counter (weight 1 Kg) **for oil,**

equipped with:

- connection **F 1/2" x F 1/2"**
- indicator 0-10 litres

* not type-approved for public use

* articles not manufactured by us



Art. 37703

Oil gun with mechanical litre-counter (Art. 37701),

equipped with:

- inlet swivel joint **F 1/2"**
- flexible terminal
- semiautomatic nozzle $\varnothing$ 16 mm

* not type-approved for public use

* articles not manufactured by us



Art. 33122

High delivery oil gun for transfer,

equipped with:

- **F 3/4"** inlet swivel joint (max 8 bar)
- rigid terminal with free outlet

Ideal for high deliveries in transferring oil, waste oil and antifreeze liquid

Note: it is advisable to use it with hose 3/4" (Art. 997.505) and with pumps R 1:1 (max 8 bar)

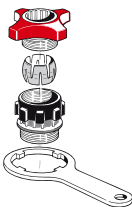
* articles not manufactured by us



Accessories for oil pumps



Art. 38046
Bung adaptor
ø 32 mm, with double body
for pumps with suction tube,
series 500



Art. 33434
Bung adaptor
ø 34 mm, with double body
for pumps with suction tube,
series 600

Art. 38042
Bung adaptor
ø 42 mm, with double body
for pumps with suction tube,
series 600 e 650

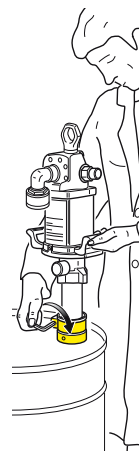
Art. 38044
Bung adaptor
ø 38 mm, with double body
for pumps manual double
acting oil pumps



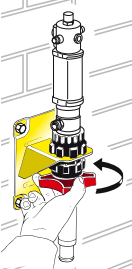
Art. 38051
Bung adaptor
ø 50 mm, for pumps
with suction tube,
series 500

Art. 10/14
Bung adaptor
ø 45 mm for industrial
pumps with suction tube,
series 900 e 1200

Art. 10/15
Bung adaptor
ø 53 mm for industrial
pumps with suction tube,
series 900 e 1200



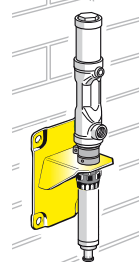
Art. 38047
Wall bracket ø 32 mm
with double body
for wall-mounting of pumps,
series 500



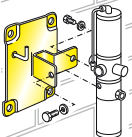
Art. 38043
Wall bracket ø 42 mm
with double body
for wall-mounting of pumps,
series 600 and 650



Art. 38052
Wall bracket ø 50 mm
with clamping system
with screw for
wall-mounting
of pumps,
series 500

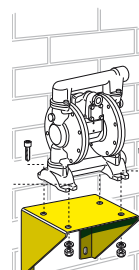


Art. 33115
Wall bracket in steel
for wall-mounting of
transfer pumps,
series 600 and 650

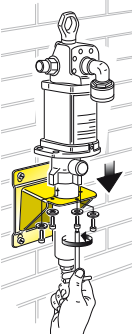


Art. 33590
**Wall bracket in painted
steel** for wall-mounting
of diaphragm pumps
1/2" and 3/4"

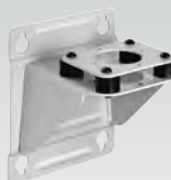
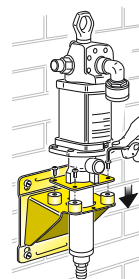
Art. 33591
**Wall bracket in painted
steel** for wall-mounting
of diaphragm pumps
1" and 1.1/4"



Art. 10/10
**Wall bracket in painted
steel** for wall-mounting
of integral and flanged
industrial pumps,
series 900 and 1200



Art. 10/11
**Wall bracket in
painted steel**
with dampers for
wall-mounting of
integral and flanged
industrial pumps,
series 900 and 1200





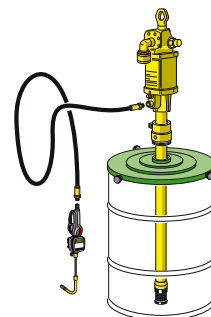
Accessories for oil pumps

Union F2"



Drum cover with 2" F union suitable for standard bung adaptor

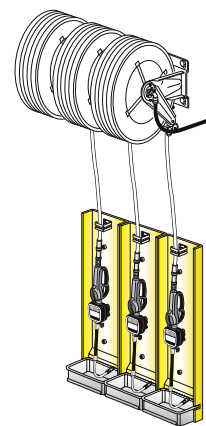
- Art. **65160** Drum cover ø 600 mm (drums ø external 550 - 600 mm)
 Art. **65142** Drum cover ø 420 mm (drums ø external 370 - 420 mm)
 Art. **65138** Drum cover ø 385 mm (drums ø external 340 - 385 mm)



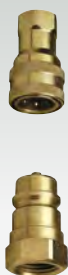
Art. **88630**

Modular drip-tray.

Equipped with hook for gun and removable drip-tray. Applied under the hose reel, it is a handy holder for the delivery gun. Essential for a clean and orderly workplace



*



Art. **33126**

Female quick connector

- thread F 3/4"G
- high pressure 250 bar

Art. **33127**

Male quick connector

- thread F 3/4"G
- high pressure 250 bar

* articles not manufactured by us

*



Art. **38069**

90° union - 3/4" G - F/M

Art. **38070**

90° union - 1/2" G - F/M

* articles not manufactured by us

*



- Art. **33106** Nipple M 3/4"NPT x F 3/4"G
 Art. **33107** Nipple M 3/4"G x F 1"NPT
 Art. **33108** Nipple M 1"G x F 3/4"NPT
 Art. **33109** Nipple M 1"G x F 1"NPT
 Art. **38075** Nipple M 1/2"G x F 1/2"NPT
 Art. **38076** Nipple M 1/2"NPT x F 1/2"G
 Art. **38077** Nipple M 3/8"NPT x F 3/8"G
 Art. **38078** Nipple M 3/8"G x F 3/8"NPT
 Art. **38079** Nipple M 1/2"NPT x M 3/8"NPT
 Art. **33111** Nipple M 1.1/4"G x F 1.1/4"NPT
 Art. **33112** Nipple M 3/4"G x F 3/4"NPT
 Art. **33113** Nipple M 1/2"G x F 3/4"NPT

* articles not manufactured by us



- Art. **38071** Nipple M 1/2"G x M 1/2"G ●●
 Art. **38072** Nipple M 1/2"G x M 3/8"G ●
 Art. **38073** Nipple M 3/8"G x M 3/8"G ●●
 Art. **33114** Nipple M 1"G x M 1/2"G ●
 Art. **33116** Nipple M 1"G x M 1"G ●
 Art. **33117** Nipple M 3/4"G x M 3/4"G ●
 Art. **33118** Nipple M 1/2"G x M 3/4"G ●
 Art. **33119** Nipple M 1"G x M 3/4"G ●
 Art. **33275** Nipple M 1/2"G x F 3/4"G ●
 Art. **33276** Nipple M 3/4"G x F 1"G ●
 Art. **33277** Nipple M 3/4"G x F 1/2"G ●

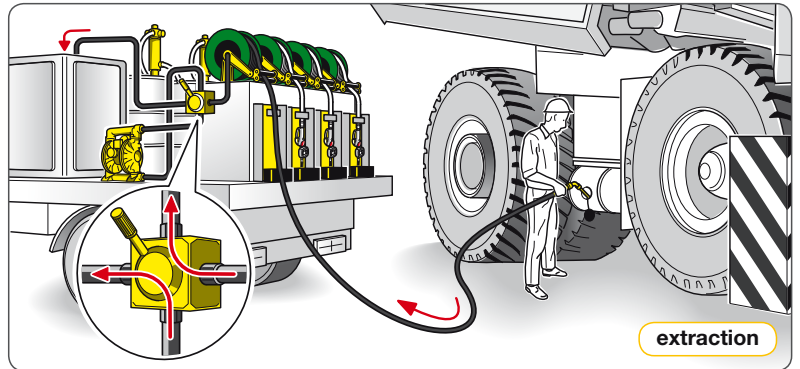
●● tapered/cylindrical thread
 ● cylindrical/cylindrical thread



Accessories 4-way evacuation valve and flow regulator chamber



The 4-way evacuation valve is used for extraction and discharge of waste oil fluid hydraulic gear and engine oil and antifreeze



extraction

Art. 38130

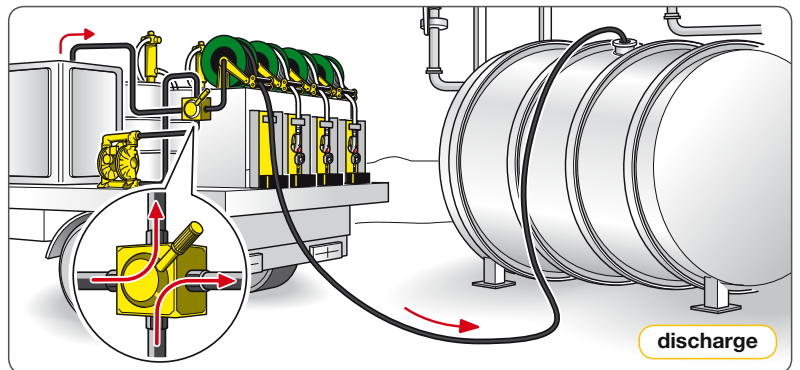
4-way evacuation valve with connection F 3/4"G

Art. 38131

4-way evacuation valve with connection F 1"G

Art. 38132

4-way evacuation valve with connection F 1.1/2"G



discharge

Article	Seals	Connection	Pressure	Weight
38130	Viton	F 3/4"	14 bar	3 Kg
38131	Viton	F 1"	14 bar	3 Kg
38132	Viton	F 1.1/2"	14 bar	3 Kg



Art. 38097

Art. 38098

Art. 38097

Flow regulator chamber F 3/4" x F 3/4" equipped with:

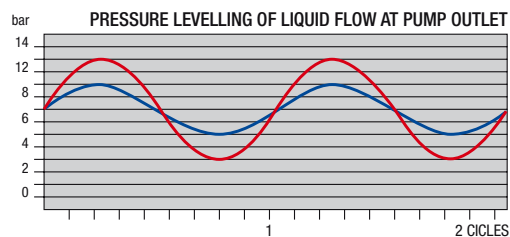
- one-way valve eliminates sudden pressure changes, ensuring a regular flow
- suitable for R 1:1 - 3:1 - 5:1 pumps
- max pressure 100 bar

Art. 38098

Flow regulator chamber F 3/4" x F 3/4" with air tank equipped with:

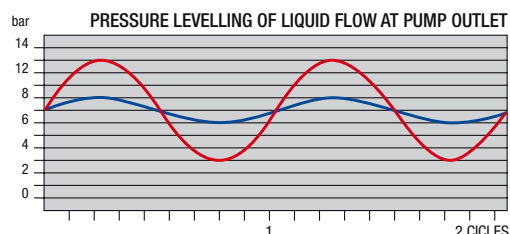
- one-way valve eliminates sudden pressure changes, ensuring a regular flow
- suitable for pumps till R 20:1
- max pressure 100 bar

Pressure trend of oil pump outlet



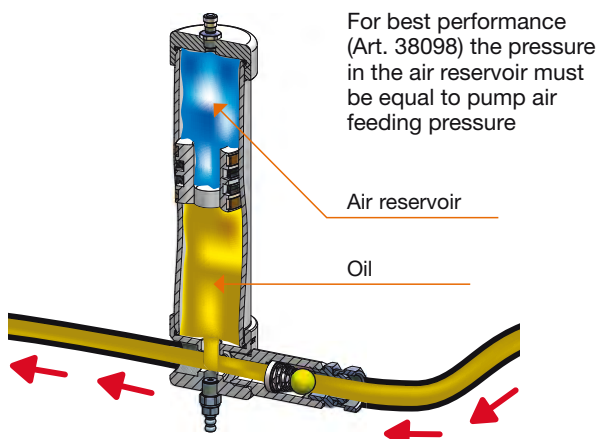
with pump R 3:1 - 8 bar

■ without chamber Art. 38097
■ with chamber Art. 38097



with pump R 3:1 - 8 bar

■ without chamber Art. 38098
■ with chamber Art. 38098



For best performance (Art. 38098) the pressure in the air reservoir must be equal to pump air feeding pressure

Air reservoir

Oil



Accessories for oil pumps

*



Art. 38210
Ball cock F 1/2" x F 1/2"
total passage for system
- max pressure 70 bar

Art. 38211
Ball cock F 1" x F 1"
total passage for system
- max pressure 70 bar

* articles not manufactured by us

*



Art. 38095
"Y" filter in line F/F 1/2" for
fitting on the outlet of pumps
for oil and allied products,
max pressure 100 bar

Art. 38096
"Y" filter in line F/F 1" for
fitting on the outlet of pumps
for oil and allied products,
max pressure 100 bar

* articles not manufactured by us

*



Art. 38099
**System overpressure
control valve**
- F 1/2" x F 1/2"
- Calibration 5 - 50 bar

Art. 38100
**System overpressure
control valve**
- F 3/4" x F 3/4"
- Calibration 5 - 50 bar

* articles not manufactured by us

*



Art. 37812
Pressure regulator
with condensate discharge
filter, lubricator, pressure
gauge and inlet-outlet
connections F/F 1/4"

Art. 37817
Pressure regulator
with condensate discharge
filter, lubricator, pressure
gauge and inlet-outlet
connections F/F 1/2"

* articles not manufactured by us



Art. 38091
Check valve
with connection for
flexible hose 1.1/4"
- thread 1"G - M to be
fitted on the draining
cock of tanks



Art. 38080
Hose holder ø 1.1/4" with
M 3/4" inlet connection

Art. 38081
Hose holder ø 1.1/4" with
M 1" inlet connection

Art. 38082
Hose holder ø 1.1/4" with
M 1.1/4" inlet connection

Art. 38083
Stainless steel hose holder
ø 3/4" with **M 1" inlet
connection**



Art. 38026
Flexible suction tube
ø 1.1/4" - 30 mm
- length 2 m for
wall-mounted pumps

Art. 38028
Flexible suction tube
ø 1.1/4" - 30 mm
- length 1 m for
wall-mounted pumps



Art. 33426
Flexible suction tube
ø 3/4"
- length 2 m for
wall-mounted s/steel
pumps



Art. 993.201 Hose M 1/4" x F 1/4" - 1 m - 20 bar
Art. 993.202 Hose M 1/4" x F 1/4" - 2 m - 20 bar
Art. 996.301 Hose M 1/2" x F 1/2" - 1 m - 150 bar
Art. 996.302 Hose F 1/2" x F 1/2" - 2 m - 150 bar
Art. 996.304 Hose M 1/2" x F 1/2" - 4 m - 150 bar
Art. 997.505 Hose M 1/4" x F 1/4" - 5 m - 150 bar
Art. 998.501 Hose M 1" x F 1" - 1 m - 150 bar
Art. 998.502 Hose M 1" x F 1" - 2 m - 150 bar



Accessories for oil pumps



Art. 38056

Flexible and rigid suction tube for wall mounted

pump series 500 - 600 - 650 - 900 equipped with:

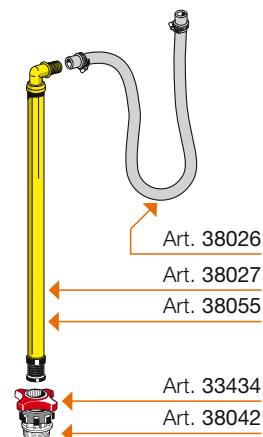
- Art. 38026 flexible suction tube 2 m - $\varnothing$ 1.1/4"
- Art. 38027 rigid suction tube 940 mm
- Art. 38042 bung adaptor

Art. 38057

Flexible and rigid suction tube for wall mounted

pump series 500 - 600 - 650 - 900 equipped with:

- Art. 38026 flexible suction tube 2 m - $\varnothing$ 1.1/4"
- Art. 38055 rigid suction tube 1260 mm
- Art. 33434 bung adaptor



Art. 33583

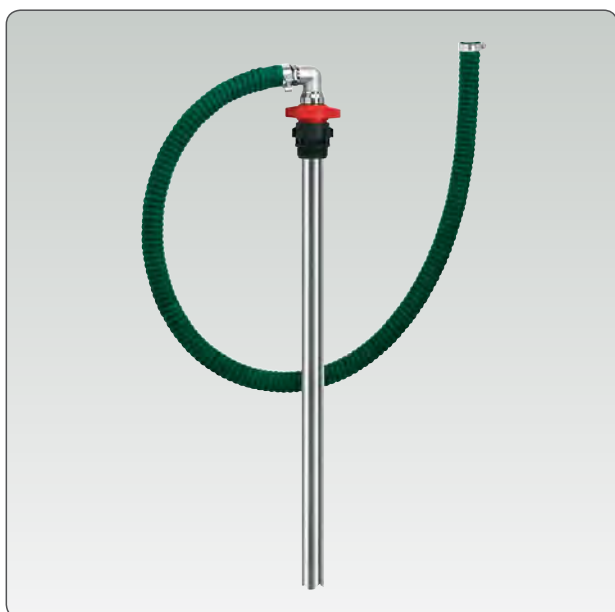
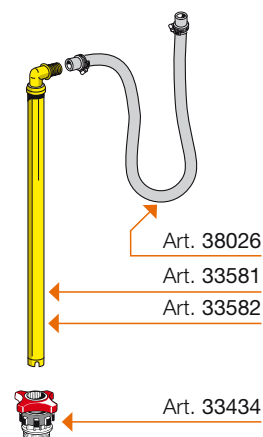
Flexible and rigid suction tube for wall mounted diaphragm pump equipped with:

- Art. 38026 flexible suction tube 2 m - $\varnothing$ 1.1/4"
- Art. 33581 rigid suction tube 940 mm - $\varnothing$ 1.1/4"
- Art. 33434 bung adaptor

Art. 33585

Flexible and rigid suction tube for wall mounted diaphragm pump equipped with:

- Art. 38026 flexible suction tube da 2 m - $\varnothing$ 1.1/4"
- Art. 33582 rigid suction tube 1240 mm
- Art. 33434 bung adaptor



Art. 33424

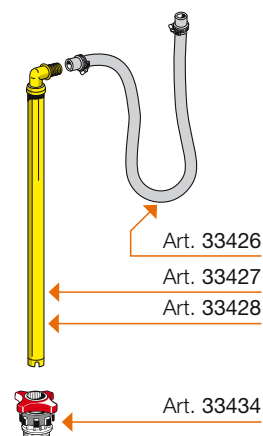
Flexible and rigid suction tube for wall mounted pump series 600 INOX equipped with:

- Art. 33426 flexible suction tube 2 m - $\varnothing$ 3/4"
- Art. 33427 stainless steel suction tube 940 mm - $\varnothing$ 3/4"
- Art. 33434 bung adaptor

Art. 33425

Flexible and rigid suction tube for wall mounted pump series 600 INOX equipped with:

- Art. 33426 flexible suction tube 2 m - $\varnothing$ 3/4"
- Art. 33428 stainless steel suction tube 1260 mm - $\varnothing$ 3/4"
- Art. 33434 bung adaptor





Accessories extensions 1" thread



Art. 38092

Top connector - filetto F 1" x F 1"
allows to connect pump M 1" thread with
extensions M 1" thread



Art. 10/21



Art. 10/22



Art. 10/23



Art. 10/24



Art. 10/25

Art. 10/21

Extension ø 34 - thread M 1"G x M 1"G - 460 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/22

Extension ø 34 - thread M 1"G x M 1"G - 660 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/23

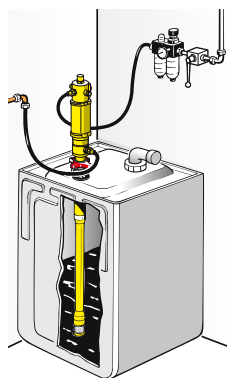
Extension ø 34 - thread M 1"G x M 1"G - 960 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/24

Extension ø 34 - thread M 1"G x M 1"G - 1260 mm
- suitable for modular and extendable pumps with F 1" connection

Art. 10/25

Extension ø 34 - thread M 1"G x M 1"G - 1460 mm
- suitable for modular and extendable pumps with F 1" connection



Art. 38092

Art. 10/21

Art. 10/22

Art. 10/23

Art. 10/24

Art. 10/25

Art. 38090

Art. 10/20



Art. 38090



Art. 10/20

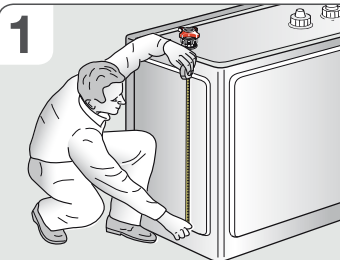
Art. 38090

Foot valve with air eliminator - F 1" thread
suitable to fit ø 34 extensions M 1"G thread

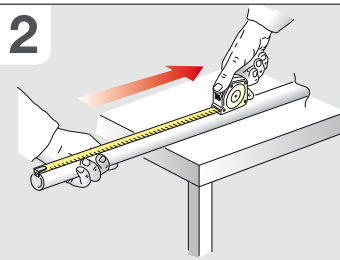
Art. 10/20

Foot valve with filter - F 1" thread
suitable to fit ø 34 extensions M 1"G thread

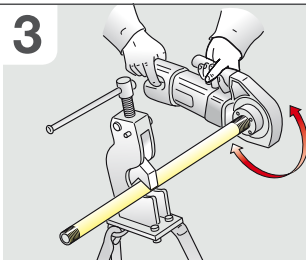
Extendable pumps suction tube 1"



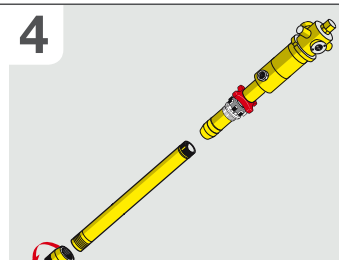
1
Obtain a water pipe (normally
available on the market) ø 1"
and thickness 2,5 mm



2
Cutting the length
suitable for
the container



3
Thread the 2
ends with
1" gas Male



4
Screw the threaded pipe
between the pump and the
foot valve (Art. 10/20)

Note: apply a sealant to prevent air infiltration in the pumping phase or oil leaks during stops



Accessories extensions for customising pumps



Art. 38084



Art. 38085



Art. 38086



Art. 38087



Art. 38088

Art. 38084

Top connector F 1"
for connection between
pump and extension

Art. 38085

Extension $\varnothing$ 32 mm
- 500 mm

Art. 38086

Connector to joint together
to extensions

Art. 38087

Extension $\varnothing$ 32 mm
- 200 mm

Art. 38088

Foot valve
complete with union and
filter



Art. 38084



Art. 38085



Art. 38086



Art. 38087



Art. 38088



Art. 38089



Art. 38093

Art. 38089

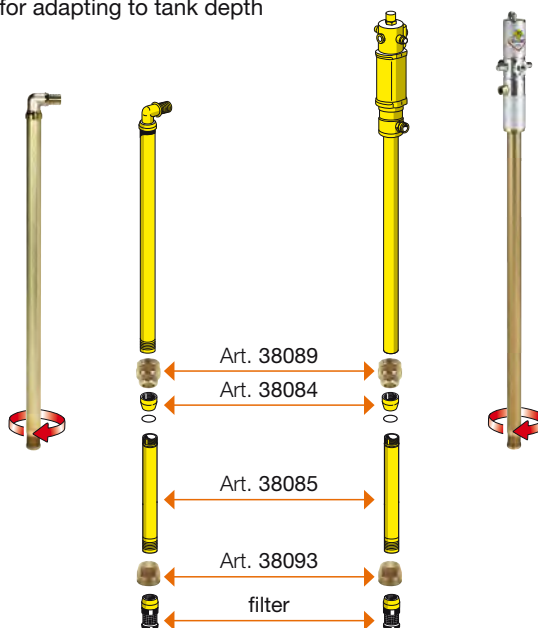
**Differentiated union with
valve** for suction tubes
 $\varnothing$ 42 mm with the foot
valve removed it enables
connection between the
suction tube and the modular
extensions

Art. 38093

Union for foot valve
it connects the modular
extension, added to
the suction tube, to the
previously removed foot
valve

Suction tube bottom connections

Extension of the rigid suction
tube for adapting to tank depth



Art. 38089

Art. 38084

Art. 38085

Art. 38093

filter

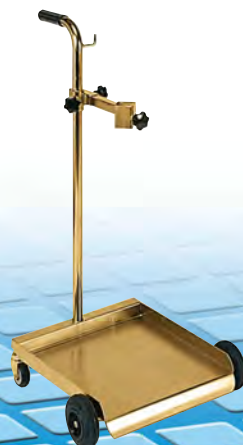
for trolleys
see page 130



Art. 80201



Art. 80210



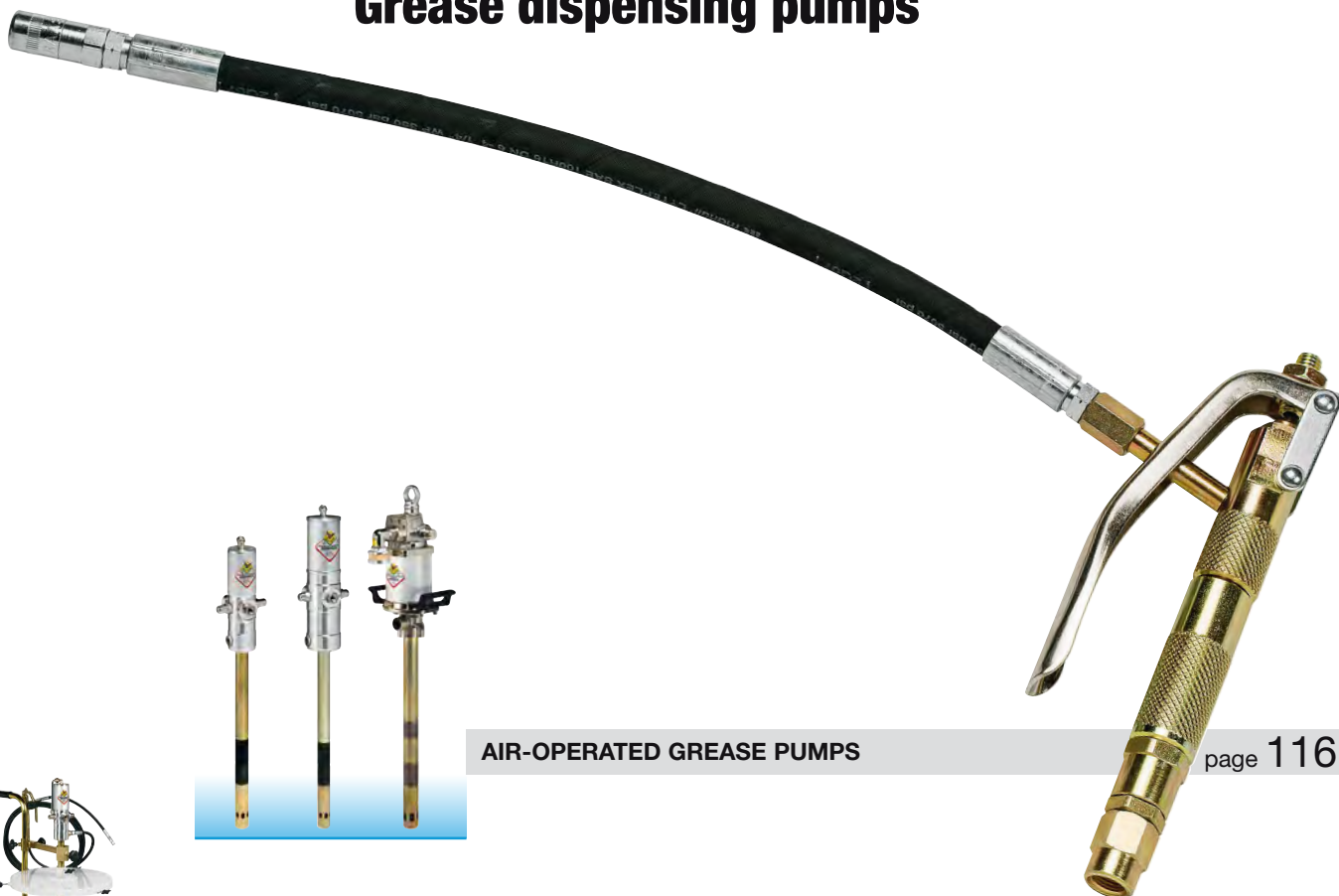
Art. 80050



FLUIDS AND LUBRICATION EQUIPMENT



Grease dispensing pumps



AIR-OPERATED GREASE PUMPS

page **116**



GREASING KIT

page **120**

5



GUNS AND ACCESSORIES

page **126**



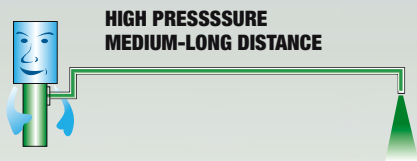
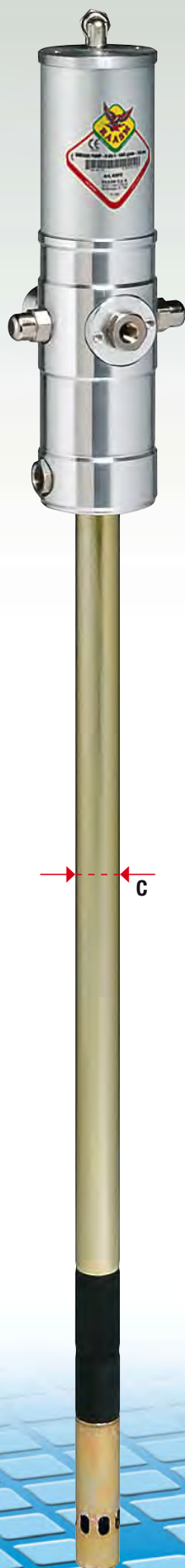
TROLLEYS FOR CONTAINERS 20 - 220 KG

page **130**



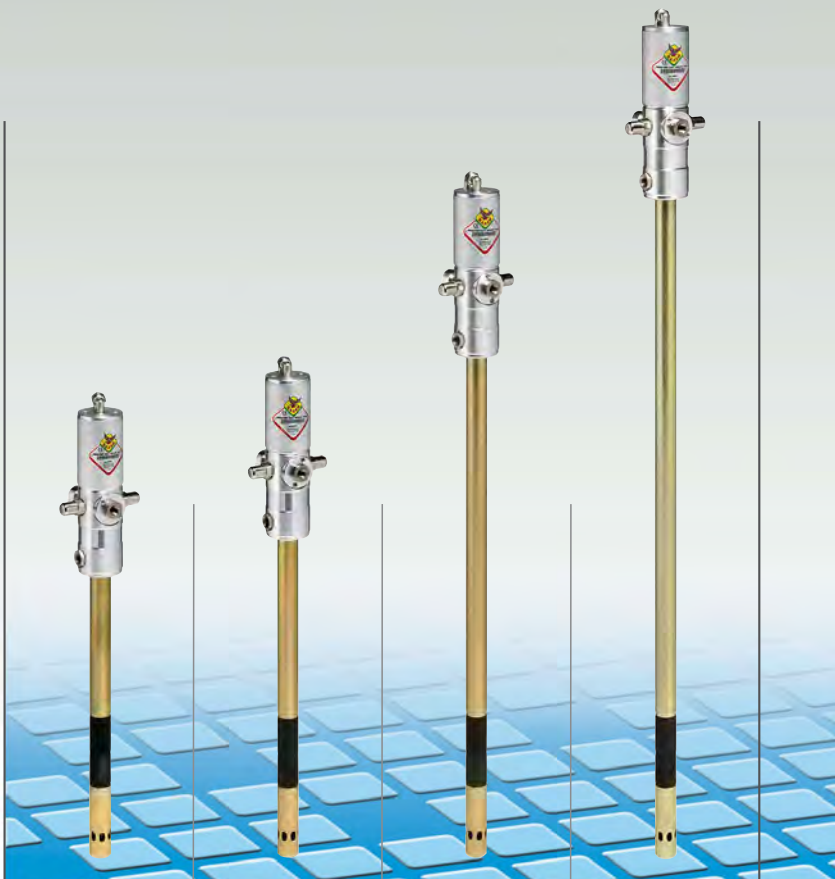
Air-operated pumps for DISTRIBUTION grease

Ratio **50:1** Flow rate **1500 g/min**



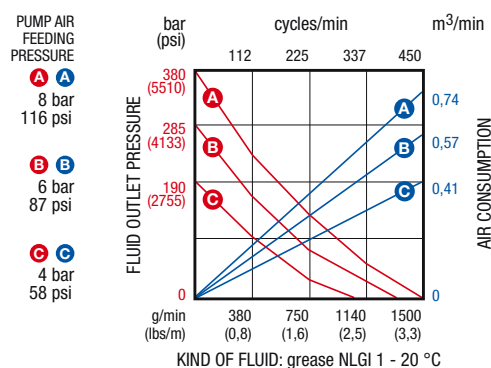
**HIGH PRESSURE
MEDIUM-LONG DISTANCE**

Series 600 air-operated pumps for short-long distance grease distribution, for high pressure greasing. Ideal for dispensing medium-high viscosity grease. Suitable for mobile installations and centralised fixed systems.



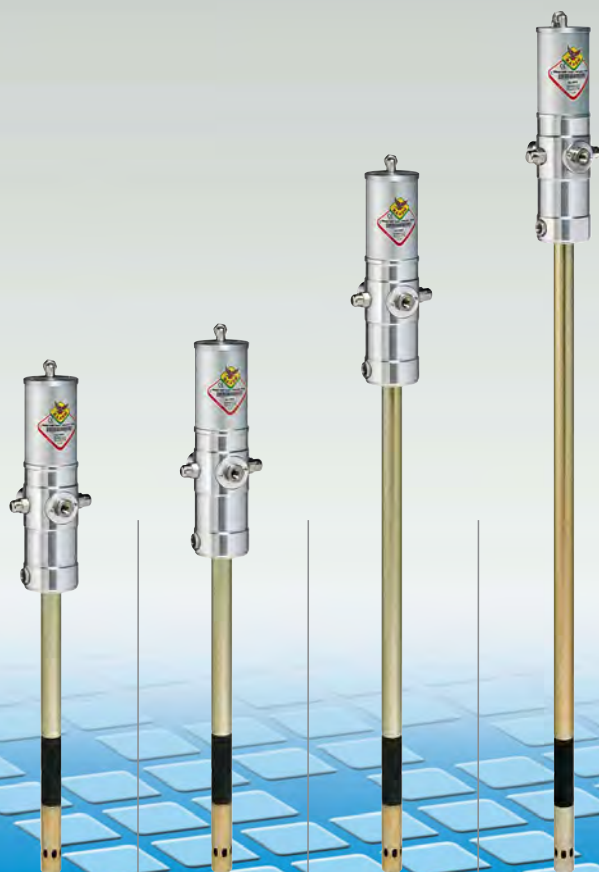
series 600

Article with seals in	PU	62041	62048	62074	62095
Compatible fluids		Greases, medium-high viscosity			
Suction tube upper body		Aluminium			
Suction tube		Carbon steel			
Air inlet connection	bsp	F 1/4" G	F 1/4" G	F 1/4" G	F 1/4" G
Fluid outlet connection	bsp	F 3/8" G	F 3/8" G	F 3/8" G	F 3/8" G
Air working pressure	bar	6 - 8	6 - 8	6 - 8	6 - 8
Average air consumption	l/min	330	330	330	330
Noise level	dB	81	81	81	81
Air max pressure	bar	8	8	8	8
Suitable for drums	Kg	16 - 20	20 - 30	50 - 60	180 - 220
Pump	Art.	-	-	-	-
Hose reel	Art.	-	-	-	-
Gun	Art.	-	-	-	-
Drum cover	Art.	-	-	-	-
Follower plate	Art.	-	-	-	-
Connection hose	Art.	-	-	-	-
Nipple	Art.	-	-	-	-
Drip-tray	Art.	-	-	-	-
Packing	N° - m ³	1 - 0,010	1 - 0,010	1 - 0,020	1 - 0,020
Weight	Kg	4,6	4,8	6,1	6,7
Dimensions (A - B - C)	cm	26,5 - 41 - 3	26,5 - 48 - 3	26,5 - 74 - 3	26,5 - 94 - 3



Ratio **65:1** Flow rate **1900 g/min**

Ratio **50:1** Flow rate **1500 g/min**



series **700**



series **600**

63041

63048

63074

63095

Greases, medium-high viscosity

Aluminium

Carbon steel

F 1/4" G

F 1/4" G

F 1/4" G

F 1/4" G

F 3/8" G

F 3/8" G

F 3/8" G

F 3/8" G

6 - 8

6 - 8

6 - 8

6 - 8

440

440

440

440

81

81

81

81

8

8

8

8

16 - 20

20 - 30

50 - 60

180 - 220

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

1 - 0,010

1 - 0,010

1 - 0,020

1 - 0,020

5,9

6,1

7,4

8,2

33,5 - 41 - 3

33,5 - 48 - 3

33,5 - 74 - 3

33,5 - 94 - 3

64200

64210

Greases, medium-high viscosity

Aluminium

Carbon steel

F 1/4" G

F 1/4" G

F 3/8" G

F 3/8" G

6 - 8

6 - 8

330

330

81

81

8

8

180 - 220

180 - 220

62095

62095

8420.501

8440.501

66889

66889

65600

65600

66590

66590

995.702

995.702

38073

38073

88630

88630

4 - 0,150

4 - 0,160

66,8

72

PUMP AIR
FEEDING
PRESSURE

A **A**

8 bar

116 psi

B **B**

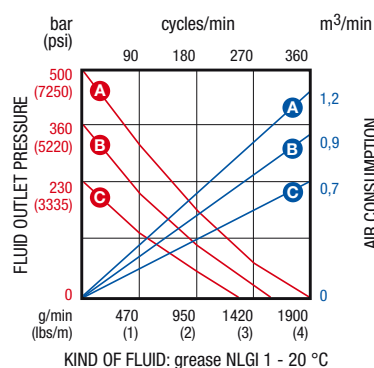
6 bar

87 psi

C **C**

4 bar

58 psi



Art. 8420.501

Art. 38073

Art. 62095

Art. 8440.501

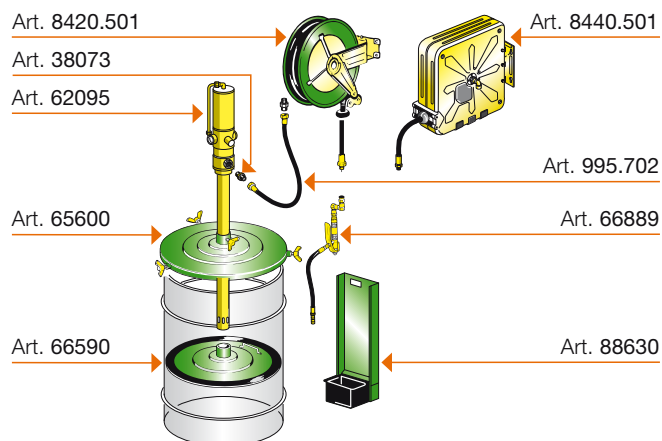
Art. 995.702

Art. 66889

Art. 65600

Art. 66590

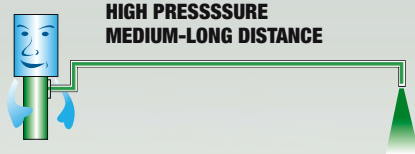
Art. 88630



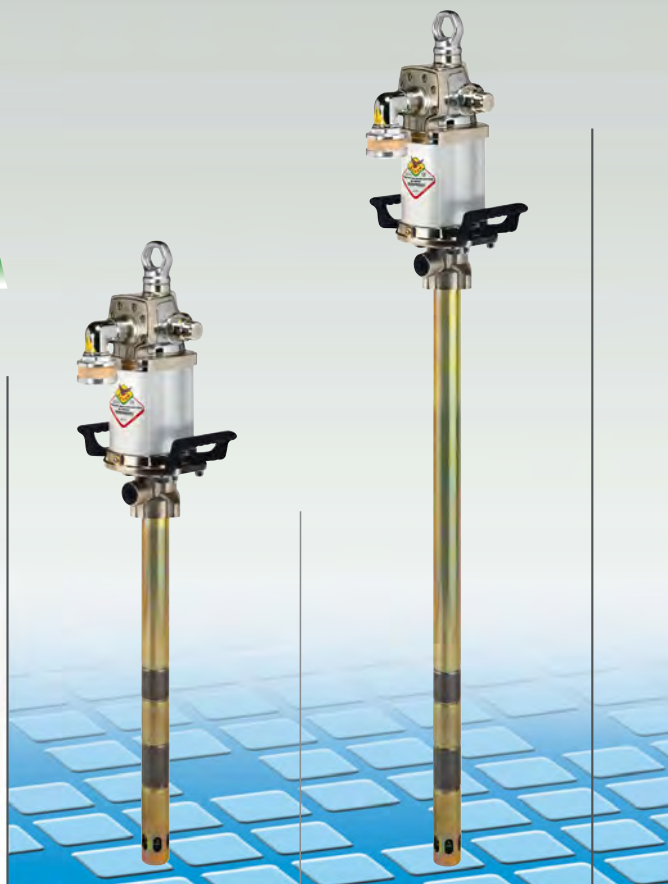
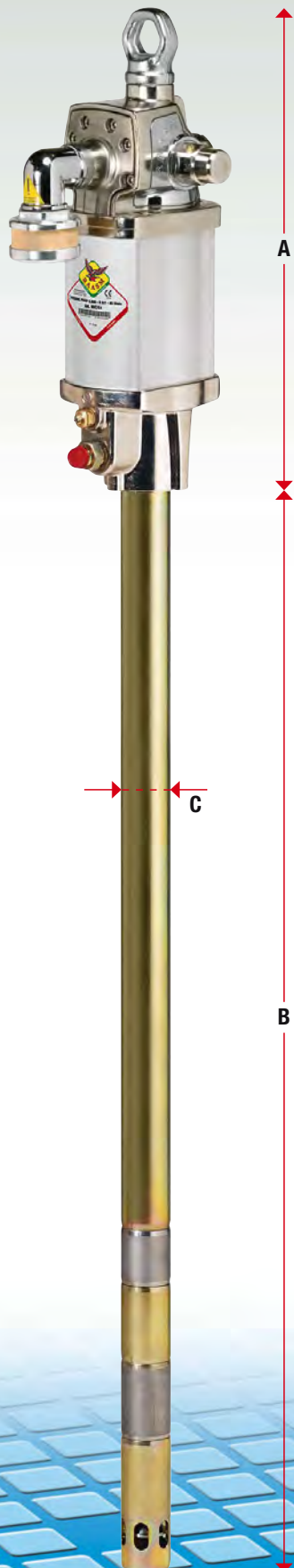


Air-operated pumps for DISTRIBUTION grease

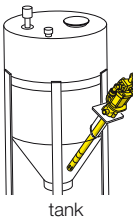
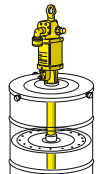
Ratio **45:1**
Flow rate **4400 g/min**

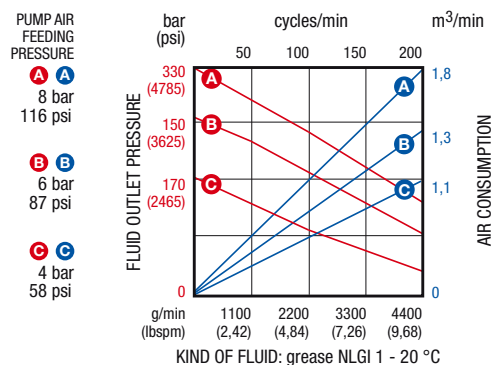
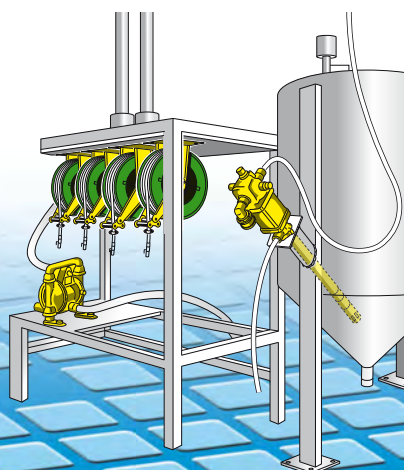


Series 900 industrial air-operated pumps for short-long distance grease distribution, for high pressure greasing. Ideal for transferring grease and high viscosity oil. The double action guarantees the delivery of a continuous and constant flow, suitable for the numerous needs of modern industry. The high quality of the materials used and the anticorrosion treatments reduce internal friction and limit wear over time.



series 900

Article with seals in	PU	90F/451	91F/451
Compatible fluids		Greases, high viscosity oils	
Suction tube upper body		Carbon steel	
Suction tube		Carbon steel	
Air inlet connection	bsp	F 1/2" G	F 1/2" G
Fluid outlet connection	bsp	F 1/2" G	F 1/2" G
Flow rate	g/min	4400	4400
Max air consumption 8 bar	m ³ /min	1,6	1,6
Noise level	dB	80	80
Air max pressure	bar	8	8
Suitable for drums			
			
		tank	suitable for drums 180-220 Kg
Packing	N° - m ³	1 - 0,050	1 - 0,070
Weight	Kg	17	19
Dimensions (A - B - C)	cm	44,5 - 50 - 4,5	44,5 - 94 - 4,5



Ratio **70:1**
Flow rate **3000 g/min**



Ratio **75:1**
Flow rate **4400 g/min**



Ratio **40:1**
Flow rate **10000 g/min**



with ram hoist Art.10/85
10/12401P1N

example of pump installation on a twin column ram hoist. For more info see page 212

series 900

91C/701

Greases, high viscosity oils
Aluminium
Carbon steel

F 1/2" G

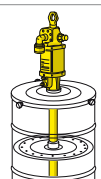
F 1/2" G

3000

1,6

80

8



suitable for drums
180-220 Kg

1 - 0,070

19

43 - 94 - 4,5

series 1200

116F/751

Greases, high viscosity oils
Carbon steel

F 1/2"

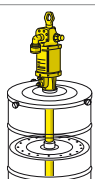
F 1/2"

4400

2,8

80

8



suitable for drums
180-220 Kg

1 - 0,070

21

44,5 - 94 - 4,5

117F/751

F 1/2"

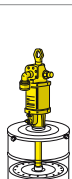
F 1/2"

4400

2,8

80

8

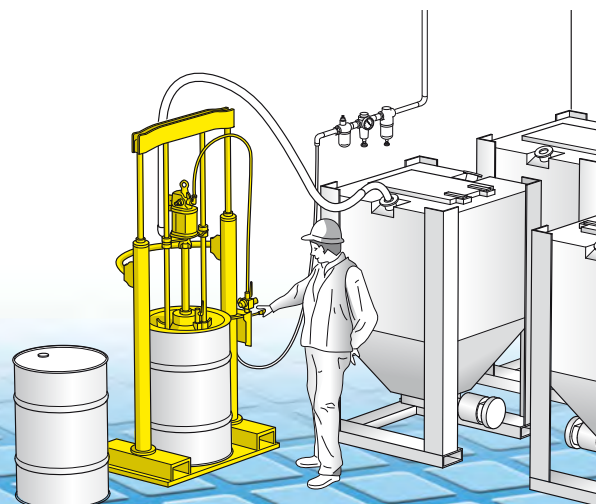
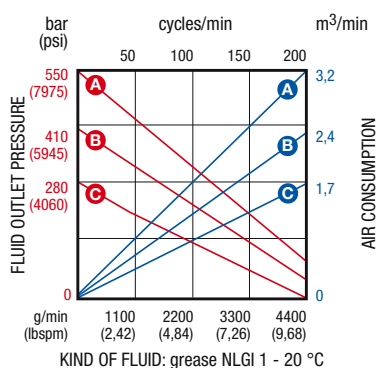
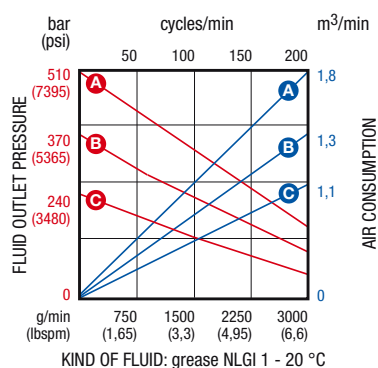


suitable for drums
50-60 Kg

1 - 0,070

20

44,5 - 74 - 4,5

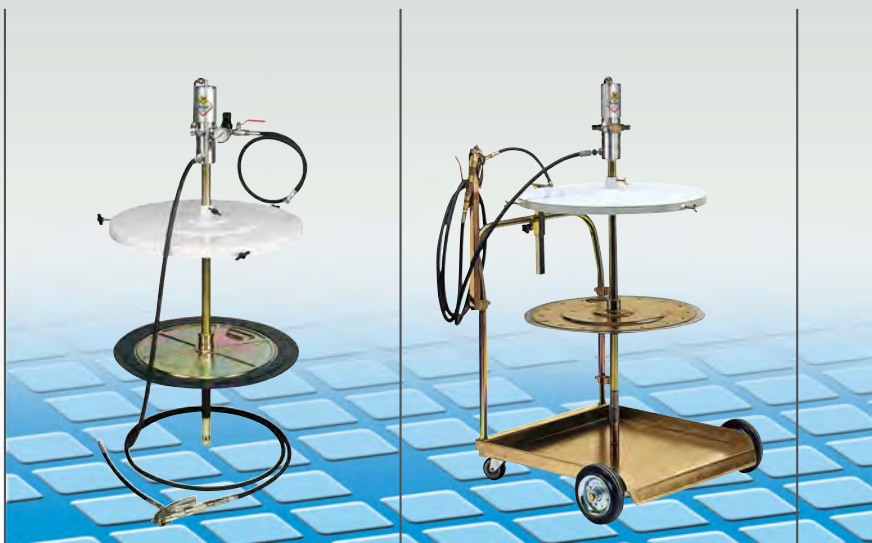




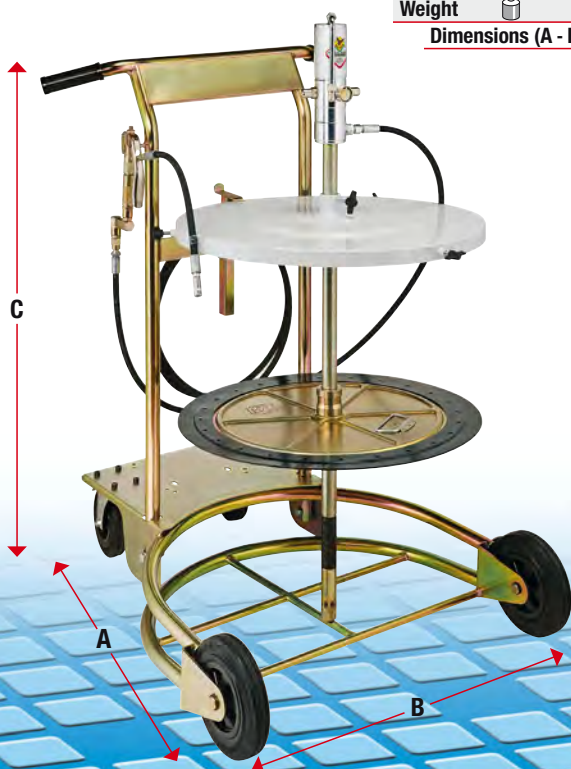
Mobile or fixed grease dispensing kits suitable for drums 180 - 220 kg

Mobile grease dispenser kits.

The ideal combination for dispensing grease in any workplace. The very easy to handle trolley is equipped with a drum (180 - 220 kg) clamping device, adjustable side support for hooking accessories, and wheel with brake. The mobile unit comes with a handy hose reel with 12 m of hose. By request the mobile unit can be equipped with other hose reels (see page 142).



Article	64195	64196	64197	64070	64070/65	64070/75
Ratio	50:1	65:1	75:1	50:1	65:1	75:1
Flow rate g/min	1500	1900	4400	1500	1900	4400
For drums with internal ø mm	from 550 to 600			from 550 to 600		
Pump Art.	62095	63095	116F/751	62095	63095	116F/751
Trolley Art.	-	-	-	80200	80200	80200
Hose reel o tubo erogazione Art.	993.504	993.504	993.504	993.504	993.504	993.504
Gun Art.	66888	66888	66888	66888	66888	66888
Drum cover Art.	65600	65600	10/50	65600	65600	10/50
Follower plate Art.	66590	66590	10/60	66590	66590	10/60
Grease connecting hose Art.	-	-	-	-	-	-
Air connecting hose Art.	993.202	993.202	996.302	-	-	-
Nipple Art.	66892	66892	66893	66892	66892	66893
Air regulator Art.	37801	37801	37814	-	-	-
Air quick coupler Art.	37805	37805	37807	-	-	-
Packing N° - m³	2 - 0,060	2 - 0,060	2 - 0,110	3 - 0,120	3 - 0,120	3 - 0,170
Weight kg	21	22,5	38	40,3	41,7	57
Dimensions (A - B - C) cm	60 - 60 - 120	60 - 60 - 127	60 - 60 - 138	67 - 77 - 131,5	67 - 77 - 131,5	67 - 77 - 131,5



Art. 116F/751

Art. 63095

Art. 62095

Art. 37801 - Art. 37814

Art. 37805

Art. 37807

Art. 993.202

Art. 66888

Art. 993.504

Art. 65600

Art. 10/50

Art. 66590

Art. 10/60

Art. 66892

Art. 66893

Art. 116F/751

Art. 63095

Art. 993.504

Art. 66892 - Art. 66893

Art. 62095

Art. 65600

Art. 10/50

Art. 66590

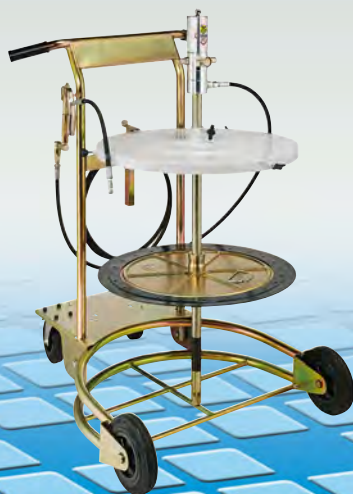
Art. 10/60

Art. 66888

Art. 80200

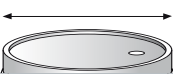
with hose reel

with hose reel

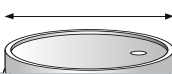


64000	64000/65	64000/75	64071	64071/65	64071/75	64001	64001/65	64001/75
50:1	65:1	75:1	50:1	65:1	75:1	50:1	65:1	75:1
1500	1900	4400	1500	1900	4400	1500	1900	4400

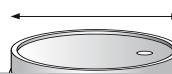
from 550 to 600



from 550 to 600



from 550 to 600



62095	63095	116F/751	62095	63095	116F/751	62095	63095	116F/751
80201	80201	80201	80210	80210	80210	80210	80210	80210
8430.501	8430.501	8430.501	993.504	993.504	993.504	8430.501	8430.501	8430.501
66889	66889	66889	66889	66889	66889	66889	66889	66889
65600	65600	10/50	65600	65600	10/50	65600	65600	10/50
66590	66590	10/60	66590	66590	10/60	66590	66590	10/60
995.702	995.702	995.702	-	-	-	995.702	995.702	995.702
-	-	-	-	-	-	-	-	-
66892	66892	38072	66892	66892	66893	66892	66892	38072
-	-	-	-	-	-	-	-	-
4 - 0,234	4 - 0,234	4 - 0,285	3 - 0,120	3 - 0,120	3 - 0,170	4 - 0,234	4 - 0,234	4 - 0,285
86	87,5	102	45,8	47,2	62,5	66,2	67,6	82,5
93 - 81 - 137	93 - 81 - 137	93 - 81 - 137	90 - 77 - 126	90 - 77 - 126	90 - 77 - 126	90 - 77 - 126	90 - 77 - 126	90 - 77 - 126

Art. 116F/751

Art. 63095

Art. 995.702

Art. 66892 - Art. 38072

Art. 62095

Art. 8430.501

Art. 66889

Art. 80201

Art. 65600
Art. 10/50

Art. 66590
Art. 10/60

Art. 116F/751

Art. 63095

Art. 993.504

Art. 66892 - Art. 66893

Art. 62095

Art. 65600
Art. 10/50

Art. 80210

Art. 66889

Art. 66590
Art. 10/60

Art. 116F/751

Art. 63095

Art. 995.702

Art. 66892 - Art. 38072

Art. 62095

Art. 8430.501

Art. 80210

Art. 65600
Art. 10/50

Art. 66590
Art. 10/60

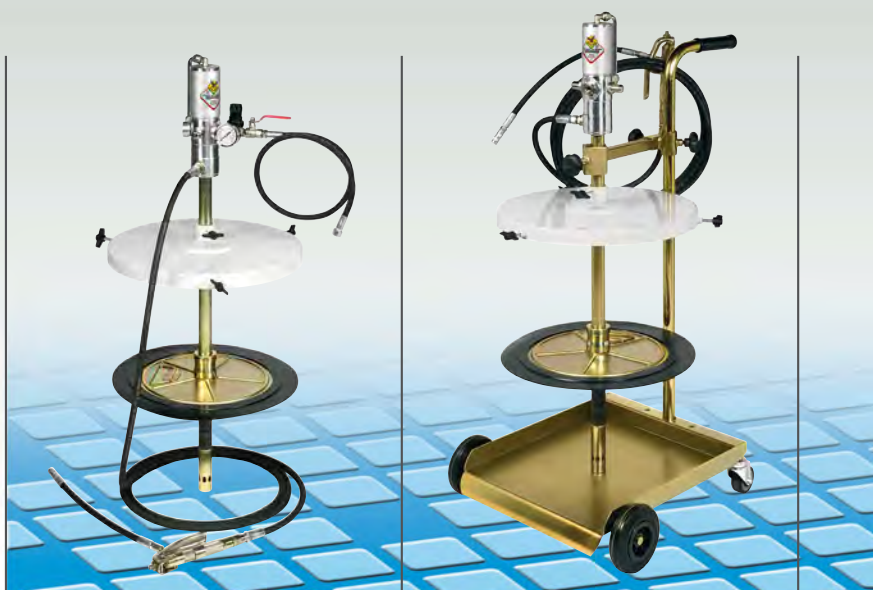


Mobile or fixed grease dispensing kits suitable for drums 50 - 60 kg

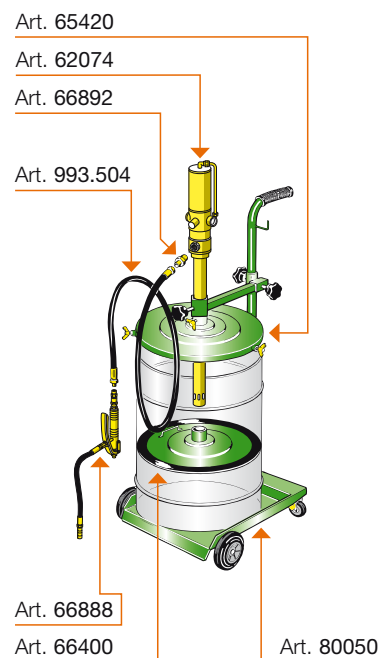
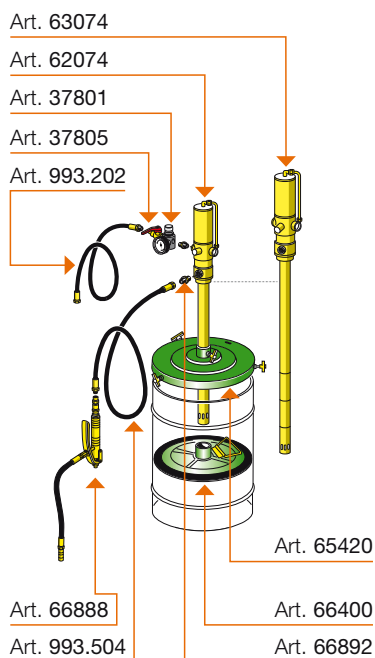
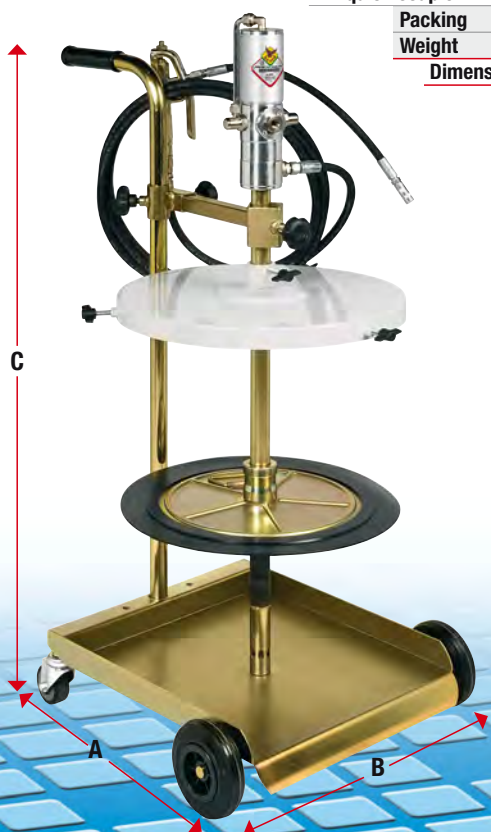
Mobile grease dispenser kits.

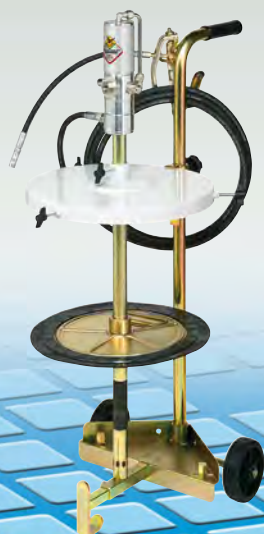
The ideal combination for dispensing grease in any workplace.

The compact trolley has 2 fixed wheels and 2 castors (Art. 80050) or only 2 fixed wheels (Art. 80040 and Art. 80035), that make it very easy to handle. It is equipped with a pump support and is suitable for small-medium size containers.



Article		64145	64146	64063	64064
Ratio		50:1	65:1	50:1	50:1
Flow rate	g/min	1500	1900	1500	1500
For drums with internal ø	mm	from 370 to 420 		from 370 to 420 	
Pump	Art.	62074	63074	62074	62074
Trolley	Art.	-	-	80050	80050
Delivery hose	Art.	993.504	993.504	993.504	993.504
Air connecting hose	Art.	993.202	993.202	-	-
Gun	Art.	66888	66888	66888	66888
Drum cover	Art.	65420	65420	65420	65420
Follower plate	Art.	66400	66400	-	66400
Nipple	Art.	66892	66892	66892	66892
Air regulator	Art.	37801	37801	-	-
Air quick coupler	Art.	37805	37805	-	-
Packing	 N° - m³	2 - 0,040	2 - 0,040	3 - 0,059	3 - 0,059
Weight	 kg	17	18	19,5	22,4
Dimensions (A - B - C) cm		43 - 43 - 99	43 - 43 - 106	46 - 50 - 107,5	46 - 50 - 114,5



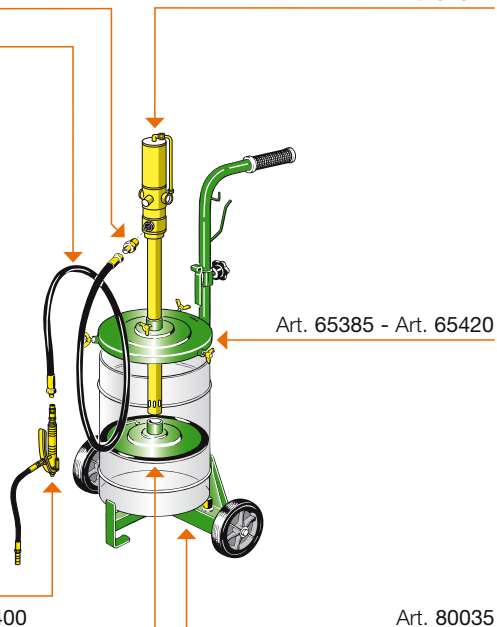


64040	64041	64037	64038	64042	64042/65	64039	64039/65
50:1	50:1	50:1	50:1	50:1	65:1	50:1	65:1
1500	1500	1500	1500	1500	1900	1500	1900
from 370 to 420		from 340 to 385		from 370 to 420		from 340 to 385	
62074	62074	62074	62074	62074	63074	62074	63074
80035	80035	80035	80035	80040	80040	80040	80040
993.504	993.504	993.504	993.504	993.504	993.504	993.504	993.504
-	-	-	-	-	-	-	-
66888	66888	66888	66888	66888	66888	66888	66888
65420	65420	65385	65385	65420	65420	65385	65385
-	66400	-	66370	66400	66400	66370	66370
66892	66892	66892	66892	66892	66892	66892	66892
-	-	-	-	-	-	-	-
3 - 0,048	3 - 0,048	3 - 0,048	3 - 0,048	3 - 0,048	3 - 0,048	3 - 0,048	3 - 0,048
19	22	18	20	22	23,5	21	22,5
44 - 39,5 - 106	44 - 39,5 - 106	44 - 39,5 - 106	44 - 39,5 - 106	43 - 47,5 - 107,5	43 - 47,5 - 114,5	43 - 47,5 - 107,5	43 - 47,5 - 114,5

Art. 66892
Art. 993.504

Art. 62074

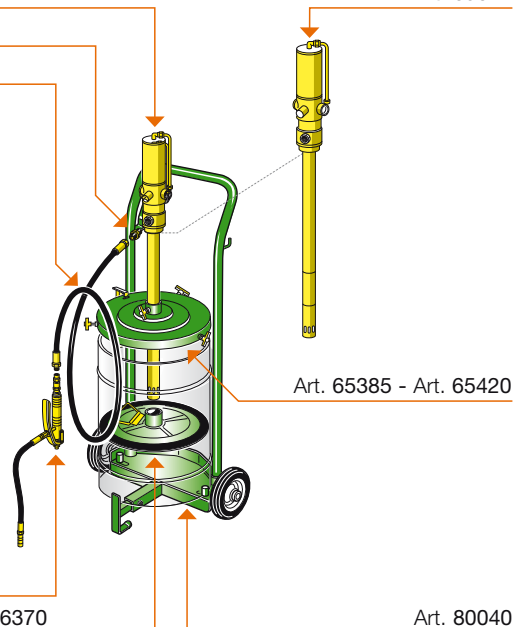
Art. 66888
Art. 66370 - Art. 66400



Art. 62074
Art. 66892
Art. 993.504

Art. 63074

Art. 66888
Art. 66400 - Art. 66370





Mobile or fixed grease dispensing kits suitable for drums 12 - 30 kg

Mobile grease dispenser kits.

The ideal combination for dispensing grease in any workplace.

The compact trolley (Art. 80040 and Art. 80035) has 2 fixed wheels that make it very easy to handle.

It is equipped with a pump support and is suitable for small-medium size containers.



Article		64034	64035	64032	64033
Ratio		50:1	50:1	50:1	50:1
Flow rate	g/min	1500	1500	1500	1500
For drums with internal ø	mm	from 300 to 350 		from 260 to 300 	
Pump	Art.	62048	62048	62048	62048
Trolley	Art.	80035	80035	80035	80035
Delivery hose	Art.	993.504	993.504	993.504	993.504
Gun	Art.	66888	66888	66888	66888
Drum cover	Art.	65350	65350	65310	65310
Follower plate	Art.	-	66340	-	66310
Nipple	Art.	66892	66892	66892	66892
Kit carrying handle	Art.	-	-	-	-
Packing	 N° - m³	3 - 0,040	3 - 0,040	3 - 0,040	3 - 0,040
Weight	 kg	15,9	17,5	15	17
Dimensions (A - B - C)	cm	44 - 39,5 - 99,5	44 - 39,5 - 99,5	44 - 39,5 - 99,5	44 - 39,5 - 99,5



Art. 66892

Art. 62048

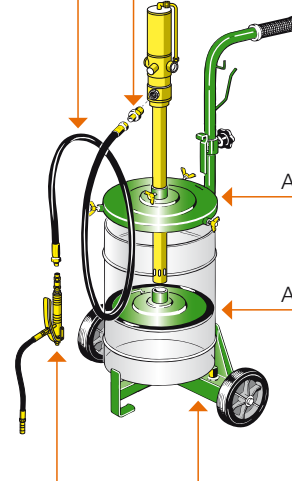
Art. 993.504

Art. 65350 - Art. 65310

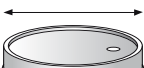
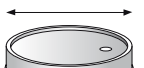
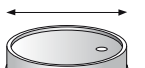
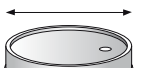
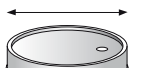
Art. 66340 - Art. 66310

Art. 66888

Art. 80035





64036	64033/40	64025	64031	64021
50:1	50:1	50:1	50:1	50:1
1500	1500	1500	1500	1500
from 300 to 350	from 260 to 300	from 240 to 280	from 260 to 300	from 240 to 280
				
62048	62048	62041	62048	62041
80040	80040	80040	-	-
993.504	993.504	993.504	993.504	993.504
66888	66888	66888	66888	66888
65350	65310	65280	65310	65280
66340	66310	66265	66310	66265
66892	66892	66892	66892	66892
-	-	-	66599	66599
3 - 0,040	3 - 0,040	3 - 0,040	2 - 0,025	2 - 0,030
18,5	18	17	11,4	11
43 - 47,5 - 99	43 - 47,5 - 99	43 - 47,5 - 99	33 - 33 - 74,5	30 - 30 - 67,5

Art. 62048

Art. 66892

Art. 993.504

Art. 66888

Art. 62041

Art. 65350
Art. 65310 - Art. 65280

Art. 66340
Art. 66310 - Art. 66265

Art. 80040

Art. 66599

Art. 62048

Art. 66892

Art. 993.504

Art. 66888

Art. 62041

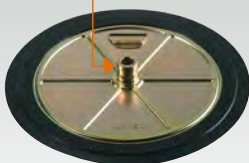
Art. 65280 - Art. 65310

Art. 66265 - Art. 66310



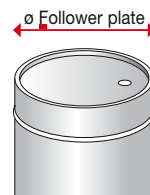
Accessories for grease pumps

Union $\varnothing$ 30 mm

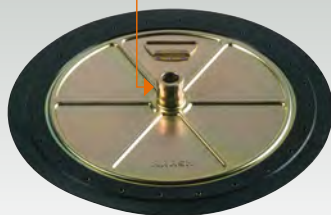


Follower plate for pumps series 600 - 700 with suction tube $\varnothing$ 30

- Art. 66265 Follower plate $\varnothing$ 265 mm (drum internal $\varnothing$ 240 - 260 mm)
- Art. 66310 Follower plate $\varnothing$ 310 mm (drum internal $\varnothing$ 255 - 300 mm)
- Art. 66340 Follower plate $\varnothing$ 340 mm (drum internal $\varnothing$ 300 - 330 mm)
- Art. 66370 Follower plate $\varnothing$ 370 mm (drum internal $\varnothing$ 335 - 360 mm)
- Art. 66400 Follower plate $\varnothing$ 400 mm (drum internal $\varnothing$ 360 - 400 mm)
- Art. 66590 Follower plate $\varnothing$ 585 mm (drum internal $\varnothing$ 540 - 580 mm)

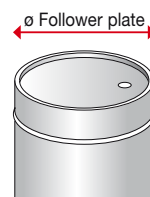


Union $\varnothing$ 45 mm



Follower plate for pumps series 900 - 1200 with suction tube $\varnothing$ 45

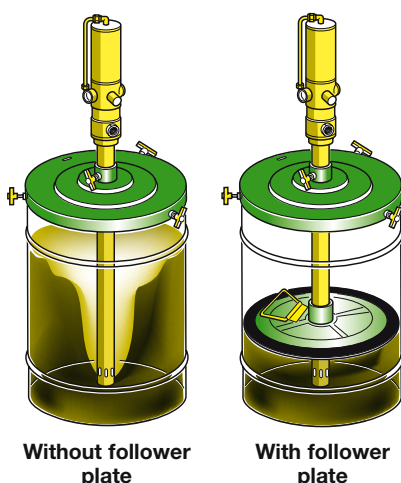
- Art. 10/60 Follower plate $\varnothing$ 585 mm (drum internal $\varnothing$ 540 - 580 mm)
- Art. 10/61 Follower plate $\varnothing$ 400 mm (drum internal $\varnothing$ 360 - 400 mm)
- Art. 10/62 Follower plate $\varnothing$ 370 mm (drum internal $\varnothing$ 335 - 360 mm)



The **follower plate** is always recommended but becomes indispensable when using particularly hard greases. The follower plate is pulled towards the bottom of the drum by the vacuum created by the pump and always ensures the following advantages:

- it compresses the grease, preventing air pockets from forming and possible cavitation of the pump
- it keeps the grease clean, as well as preserving its characteristics
- it enables collection of all the grease from the bottom of the drum, that would otherwise remain stuck to the sides

Details and advantages



Without follower plate

With follower plate

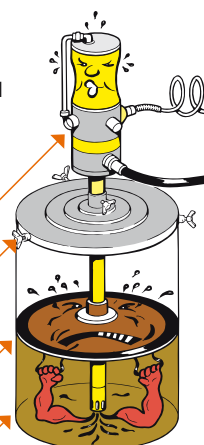
The atmospheric pressure at sea-level is 1 bar, equivalent to approx. 1 kg per cm^2 . When the pump sucks the grease from the container, a vacuum is created under the follower plate and, at the same time, depending on the width of its surface, a pressure from 370 kg to 2000 kg is created above it.

Pump

Drum cover

Follower plate

Vacuum created by pump sucking the grease



Union $\varnothing$ 30 mm



Drum cover for pumps series 600 - 700 with suction tube $\varnothing$ 30

- Art. 65280 Drum cover $\varnothing$ 280 mm (drums external $\varnothing$ 240 - 280 mm)
- Art. 65310 Drum cover $\varnothing$ 310 mm (drums external $\varnothing$ 260 - 300 mm)
- Art. 65350 Drum cover $\varnothing$ 350 mm (drums external $\varnothing$ 300 - 350 mm)
- Art. 65385 Drum cover $\varnothing$ 385 mm (drums external $\varnothing$ 340 - 385 mm)
- Art. 65420 Drum cover $\varnothing$ 420 mm (drums external $\varnothing$ 370 - 420 mm)
- Art. 65600 Drum cover $\varnothing$ 600 mm (drums external $\varnothing$ 550 - 600 mm)



Union $\varnothing$ 45 mm



Drum cover for pumps series 900 - 1200 with suction tube $\varnothing$ 45

- Art. 10/50 Drum cover $\varnothing$ 600 mm (drums external $\varnothing$ 550 - 600 mm)
- Art. 10/51 Drum cover $\varnothing$ 420 mm (drums external $\varnothing$ 370 - 420 mm)
- Art. 10/52 Drum cover $\varnothing$ 385 mm (drums external $\varnothing$ 340 - 385 mm)





Accessories for grease pumps

Union $\varnothing$ 25 - 30 - 38 mm

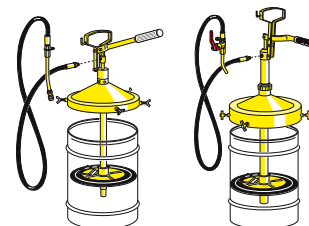


Drum cover for manual pumps with suction tube $\varnothing$ 25 - 30 - 38

Art. **65309** Drum cover $\varnothing$ 337 mm
(drums external $\varnothing$ 270 - 330 mm) for Art. 60311 (suction tube $\varnothing$ 25 mm)

Art. **65311** Drum cover $\varnothing$ 337 mm
(drums external $\varnothing$ 270 - 330 mm) for Art. 60411 (suction tube $\varnothing$ 38 mm)

Art. **65312** Drum cover $\varnothing$ 337 mm
(drums external $\varnothing$ 270 - 330 mm) for pumps with $\varnothing$ 30 mm suction tube



Art. **66891** Nipple M 1/4"G x
M 1/4"G tapered/cylindrical thread
Art. **66892** Nipple M 1/4"G x
M 3/8"G cylindrical/cylindrical thread
Art. **66893** Nipple M 1/4"G x
M 1/2"G cylindrical/cylindrical thread



Art. **66739** 4-jaw grease coupler
with antisplash valve fitted standard
on manual grease pumps. Inlet M10x1
Art. **66740** Special 4-jaw grease
coupler with antisplash valve fitted
standard on all grease guns. Inlet M10x1



Art. **66895**
Nipple M 3/8"G x F 1/4"NPT
Art. **66896**
Nipple M 1/4"G x F 1/4"NPT
Art. **66897**
Nipple F 1/4"G x M 1/4"NPT



Art. **66741**
90° grease coupler.
Inlet thread M10x1

*



Art. **60450**
Female quick connector
complete with check valve -
F 1/4"G max pressure 350 bar

* articles not manufactured by us



Art. **66742**
Hooking grease coupler.
Inlet thread M10x1

*



Art. **60451**
Male quick connector
complete with check valve -
F 1/4"G max pressure 350 bar

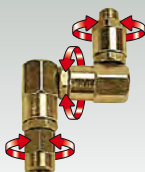
* articles not manufactured by us



Art. **66743**
Push-on grease coupler.
Inlet thread M10x1



Art. **66661**
Straight single swivel joint
M/F 1/4" G supplied with grease
guns Art. 66888 - Art. 66881



Art. **66663**
Triple swivel joint
M/F 1/4" G supplied with grease
guns Art. 66889 - Art. 66882



Art. **66599**
Handle for portable grease kit
supplied with grease kits Art. 64020 -
Art. 64021 - Art. 64030 - Art. 64031



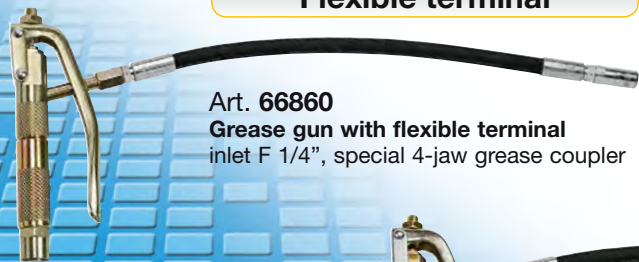
Art. **993.201**
Hose M/F 1/4" - 1 m - 20 bar
Art. **993.202**
Hose M/F 1/4" - 2 m - 20 bar
Art. **993.504**
Hose M/F 1/4" - 4 m - 600 bar
Art. **993.512**
Hose M/F 1/4" - 12 m - 600 bar
Art. **993.518**
Hose M/F 1/4" - 18 m - 600 bar
Art. **995.701**
Hose M/F 3/8" - 1 m - 600 bar
Art. **995.702**
Hose M/F 3/8" - 2 m - 600 bar
Art. **995.710**
Hose M/F 3/8" - 10 m - 600 bar
Art. **995.715**
Hose M/F 3/8" - 15 m - 600 bar



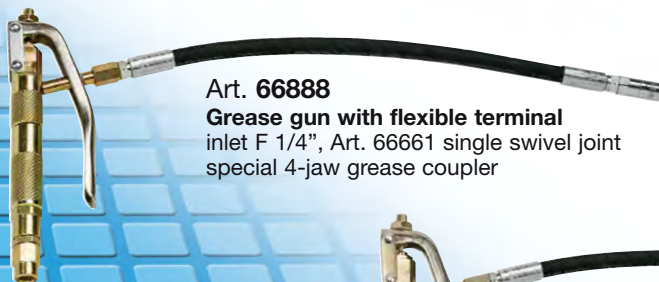
Grease guns



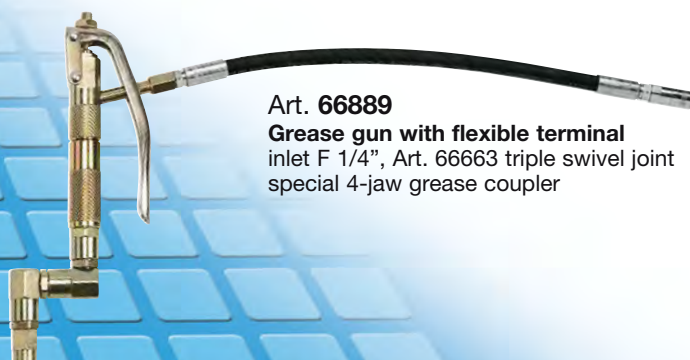
Flexible terminal



Art. 66860
Grease gun with flexible terminal
inlet F 1/4", special 4-jaw grease coupler



Art. 66888
Grease gun with flexible terminal
inlet F 1/4", Art. 66661 single swivel joint
special 4-jaw grease coupler



Art. 66889
Grease gun with flexible terminal
inlet F 1/4", Art. 66663 triple swivel joint
special 4-jaw grease coupler

Without terminal



Art. 66855
Grease gun
valve inlet F 1/4"

Rigid terminal



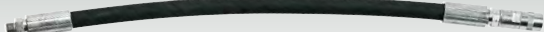
Art. 66880
Grease gun with rigid terminal
inlet F 1/4", with special 4-jaw
grease coupler



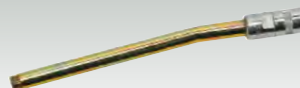
Art. 66881
Grease gun with rigid terminal
inlet F 1/4", Art. 66661 single swivel joint
with special 4-jaw grease coupler



Art. 66882
Grease gun with rigid terminal
inlet F 1/4", Art. 66663 triple swivel joint
with special 4-jaw grease coupler



Art. 66856
Flexible terminal with special 4-jaw grease coupler



Art. 66857
Rigid terminal with special 4-jaw grease coupler



Accessories for grease pumps

*

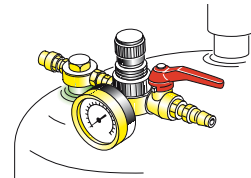


Art. 37801

Pressure regulator with pressure gauge, connections M/F 1/4"G. Applied on a pump or on the tank of a suction/drain, for regulating the compressed air inlet pressure

Art. 37814

Pressure regulator with pressure gauge, connections M/F 1/2"G. Applied on a pump or on the tank of a suction/drain, for regulating the compressed air inlet pressure



* articles not manufactured by us

*

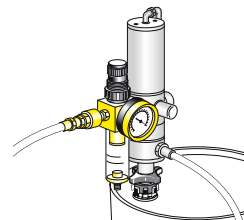


Art. 37810

Pressure regulator with condensate discharge filter and pressure gauge, connections F/F 1/4"G for application at the start of the compressed air line feeding the pump

Art. 37815

Pressure regulator with condensate discharge filter and pressure gauge, connections F/F 1/2"G for application at the start of the compressed air line feeding the pump



* articles not manufactured by us

*

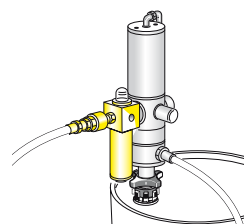


Art. 37811

Air lubricator, connections F/F 1/4"G. Its application guarantees better efficiency of the pump over time

Art. 37816

Air lubricator, connections F/F 1/2"G. Its application guarantees better efficiency of the pump over time



* articles not manufactured by us

*

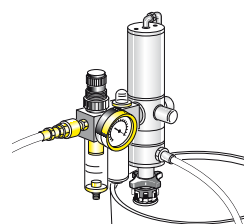


Art. 37812

Pressure regulator with condensate discharge filter, air lubricator and pressure gauge. Connections F/F 1/4"G the system guarantees that the pump feed air is free of condensate

Art. 37817

Pressure regulator with condensate discharge filter, air lubricator and pressure gauge. Connections F/F 1/2"G the system guarantees that the pump feed air is free of condensate



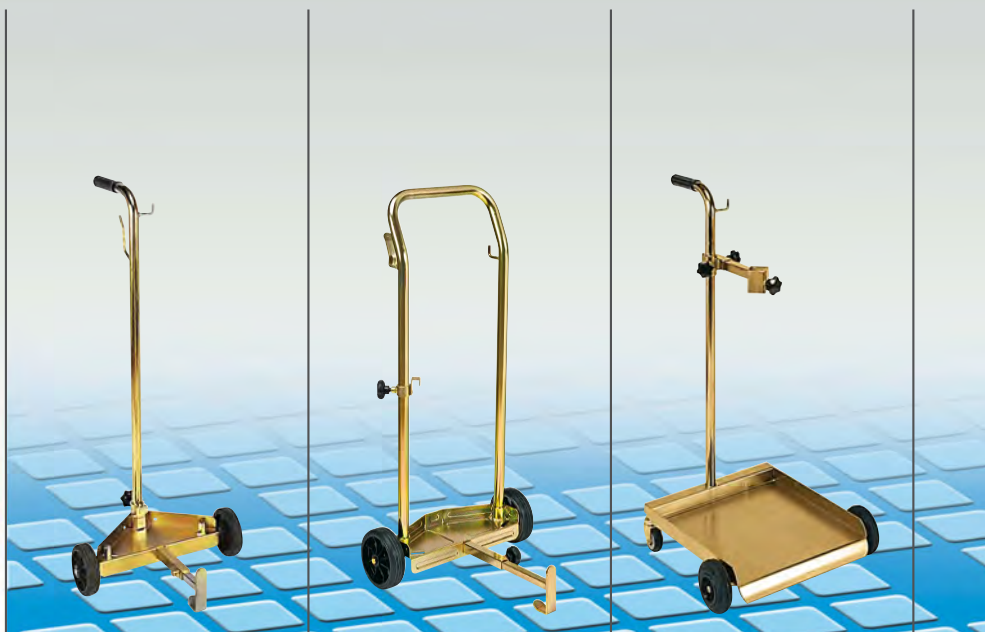
* articles not manufactured by us

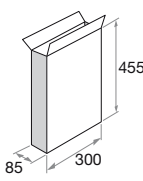
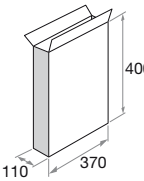
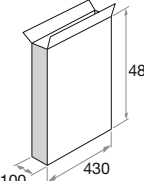
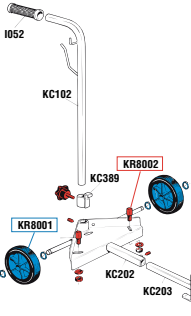
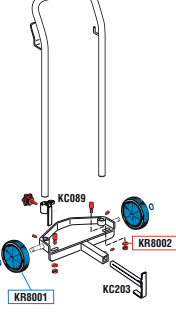
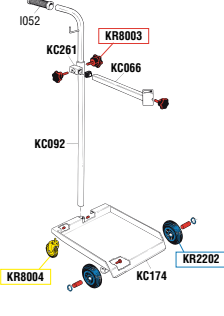


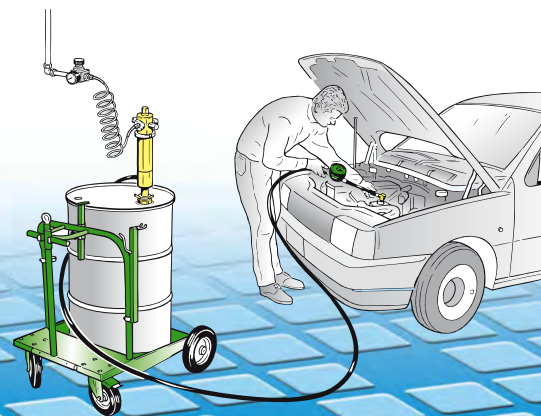
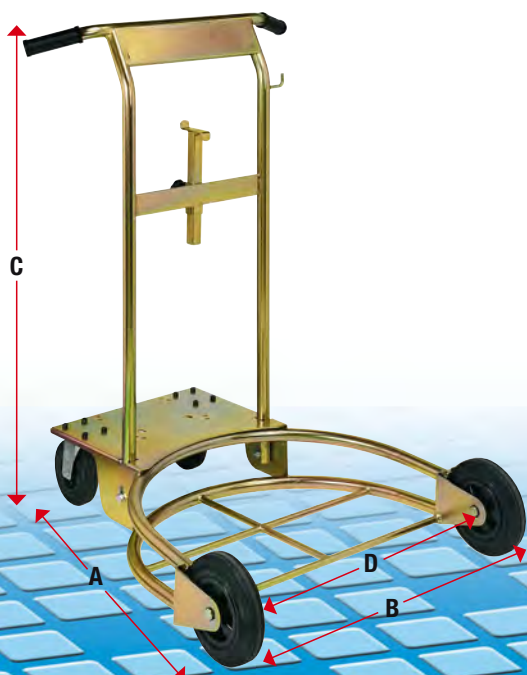
MODULAR Trolleys

for drums 20 - 60 Kg

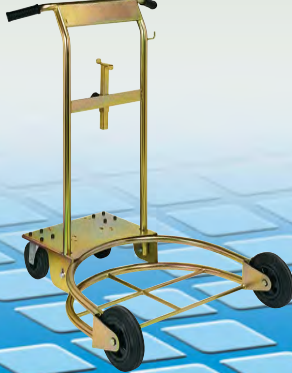
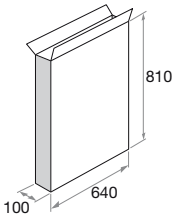
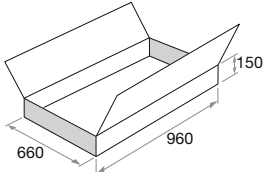
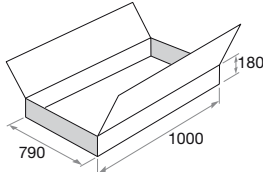
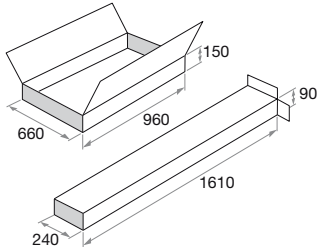
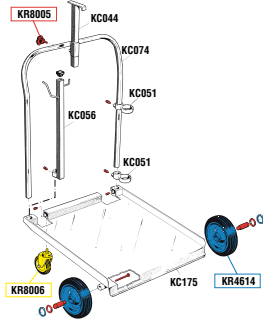
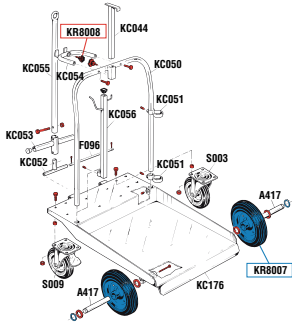
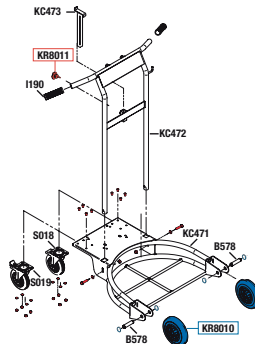
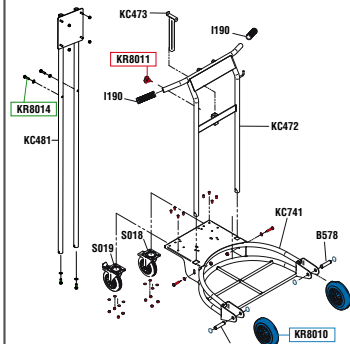
Modular trolleys, entirely galvanised, suitable for handling 20 - 220 kg drums. Equipped with 2 or 4 high fluency wheels that make them very easy to handle. Their compact size ensures perfect integration in the workplace and their modularity enables compact packing for easy storage.



Article	80035	80040	80050	
Suitable for drums	20 - 60	20 - 60	20 - 60	
Packing N° - m ³	1 - 0,010	1 - 0,010	2 - 0,020	
Weight Kg	5	6	9,2	
For drums with max external (D) cm	39	44	39,5	
Dimensions (A - B - C) cm	44 - 39,5 - 99,5	43 - 47,5 - 99	46 - 50 - 99	
Packing dimensions				
Modular structure				



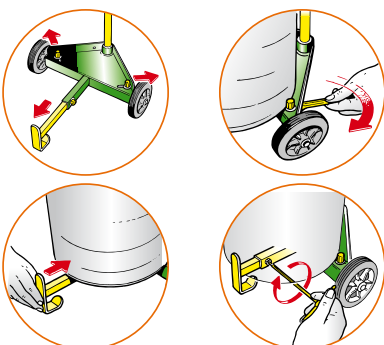
for drums **180 - 220 Kg**

			
80200	80201	80210	80215
180 - 220	180 - 220	180 - 220	180 - 220
1 - 0,060	1 - 0,100	2 - 0,18	2 - 0,028
21,9	45,9	26,2	44
61,5	61,5	61,5	61,5
67 - 77 - 87	93 - 81 - 103	90 - 77 - 115	90 - 77 - 176
			
			

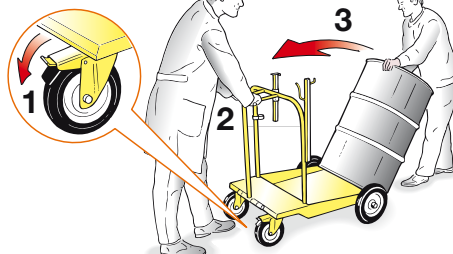
Technical features

Designed to complete our articles such as oil and grease kits

Art. 80035 - Art. 80040



Art. 80200 - Art. 80201
Art. 80210



Art. 80215

Pump,
hose reel
and oil gun
not included





FLUIDS AND LUBRICATION EQUIPMENT



Service columns



FRONTAL SERVICE COLUMNS

page **134**

BILATERAL SERVICE COLUMNS

page **136**

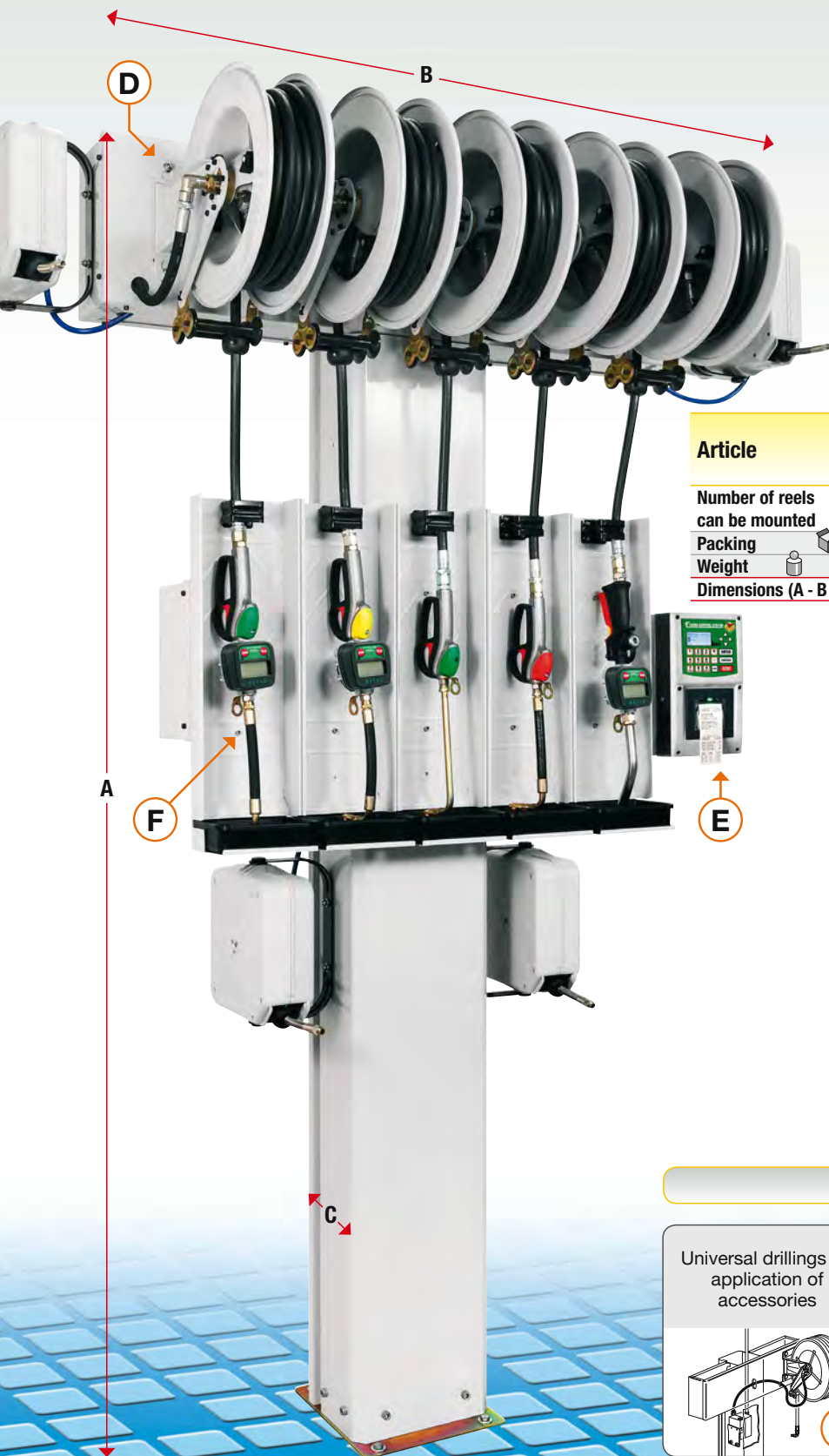
FRONTAL/BILATERAL SERVICE COLUMNS

page **138**



FRONTAL service columns

Frontal service columns. Ideal service stations for rationalising the areas dedicated to delivery. Installable on walls, connected to the centralised distribution system, they are real independent operational stations. Made from top quality materials, with scratchproof painting.



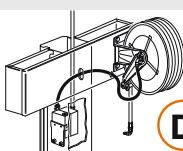
Article	39323	39334	39335
Number of reels can be mounted	3	4	5
Packing  N° - m³	1 - 0,265	1 - 0,460	1 - 0,460
Weight  kg	54,5	84,5	91
Dimensions (A - B - C) cm	245 - 86 - 13	251 - 110 - 24	251 - 134 - 24

Art. 88630
Modular drip-tray.
Equipped with hook for gun and removable drip-tray. Applied under the hose reel, it is a handy holder for the delivery gun. Essential for a clean and orderly workplace.

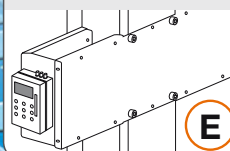


Details and advantages

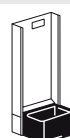
Universal drillings for application of accessories

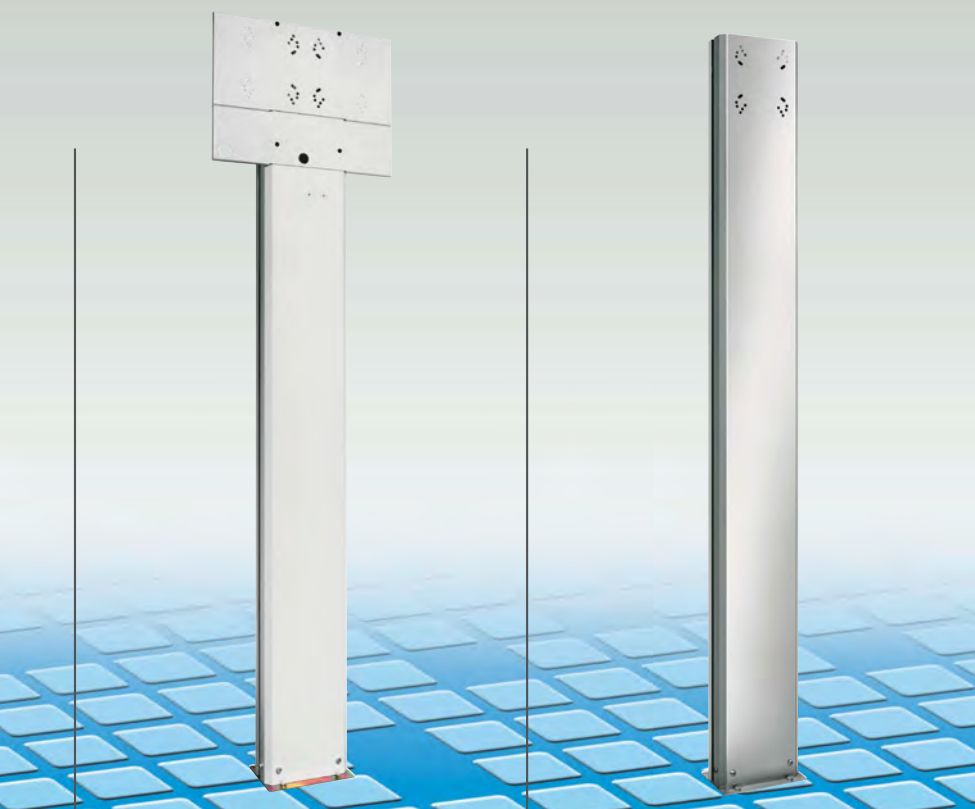


Arrangement for fixing the fluids control system



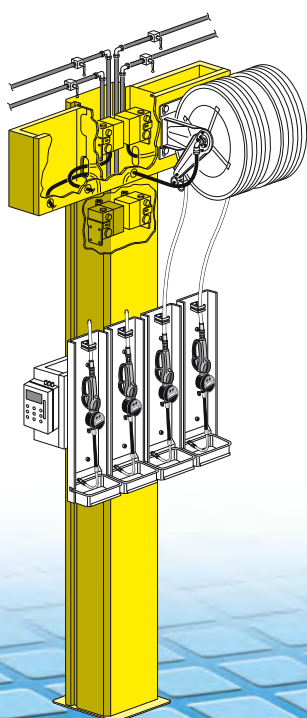
Holes for drip tray



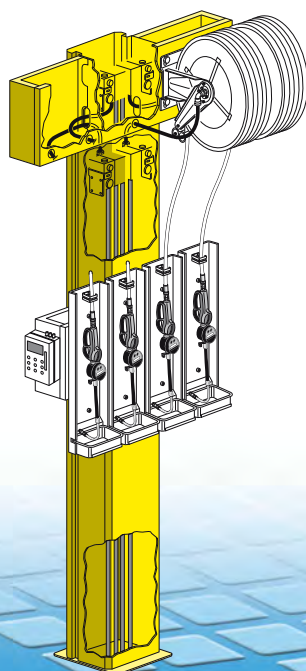


39322	39422 AISI 304 S. Steel	39320 for suction	39321	39421 AISI 304 S. Steel
2	2	1	1	1
1 - 0,265	1 - 0,265	1 - 0,265	1 - 0,265	1 - 0,265
48,5	44	41	42	37
245 - 62 - 13	245 - 62 - 13	245 - 29 - 12,5	245 - 29 - 12,5	245 - 29 - 12,5

The upper part of the support is arranged with holes for the application of hose reels series 330 - 390 - 430 - 450 - 530 and solenoid valves for stopping the fluid. The drip-tray can be applied frontally.



Ceiling installation



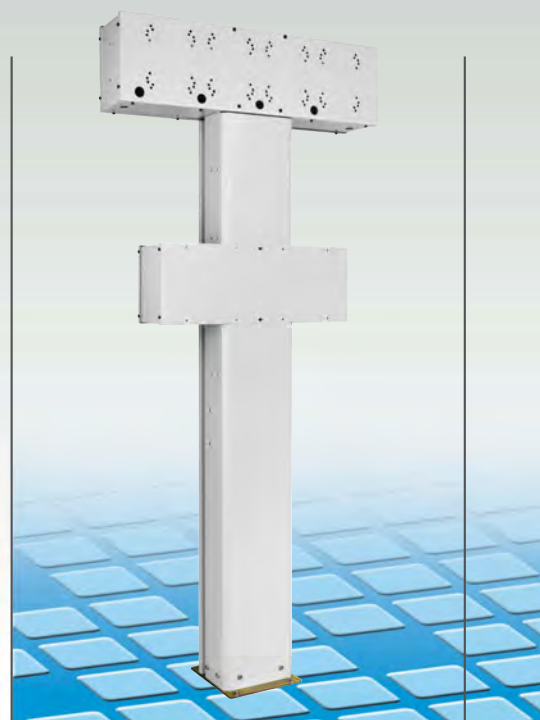
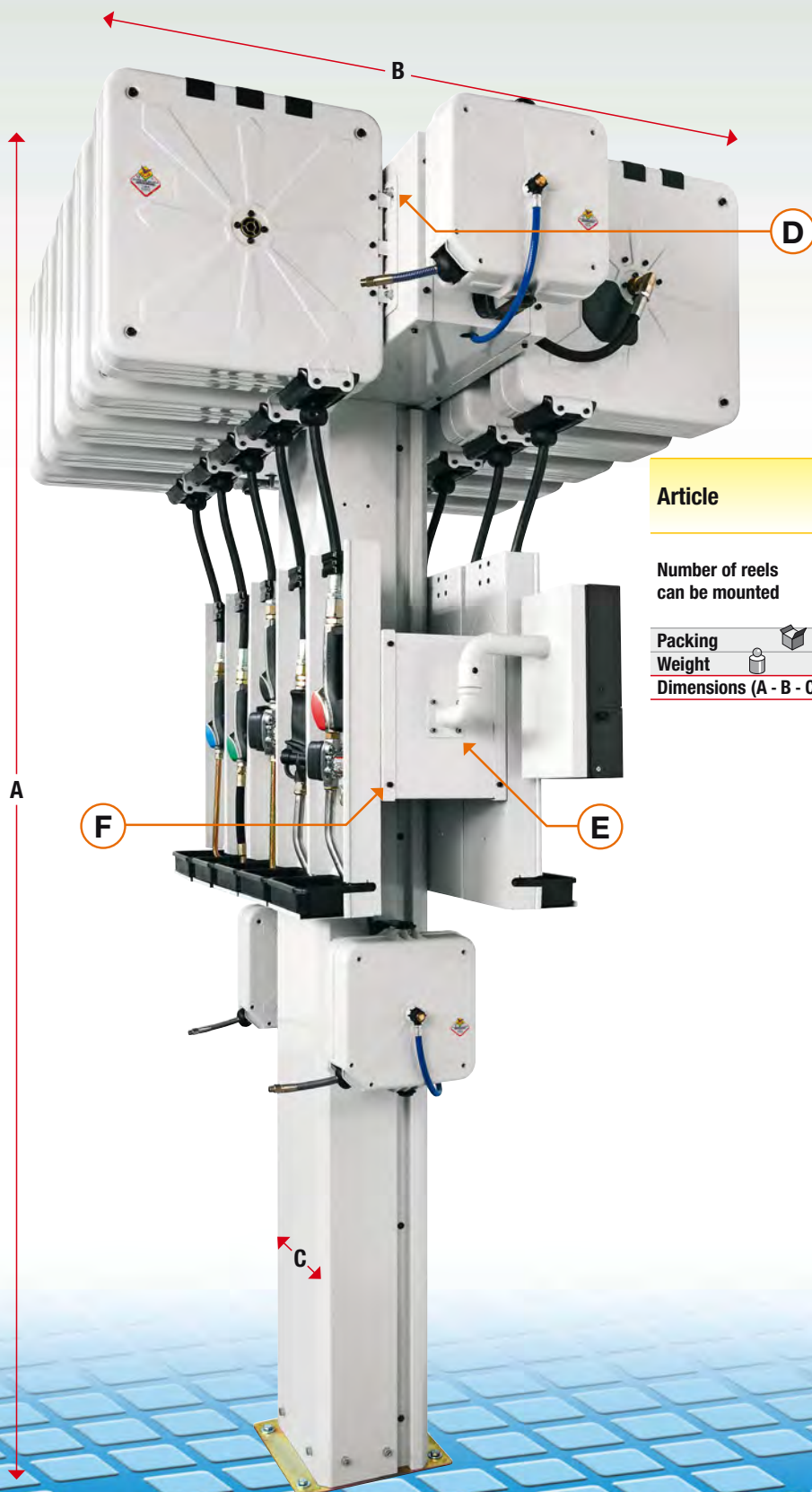
Floor installation





BILATERAL service columns

Bilateral service columns, usable from both sides for access. Installable anywhere in the workplace, connected to the centralised distribution system, they are real independent operational stations. Made from top quality materials, with scratchproof painting, and full width drip trays.

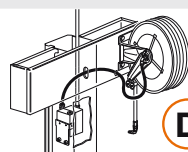


Article	39336	39338	39340
Number of reels can be mounted	3 + 3 + (2 hose reel S. 260)	4 + 4 + (2 hose reel S. 260)	5 + 5 + (2 hose reel S. 260)
Packing  N° - m ³	1 - 0,460	1 - 0,460	1 - 0,460
Weight  kg	86	94	101
Dimensions (A - B - C) cm	251 - 86 - 24	251 - 110 - 24	251 - 134 - 24

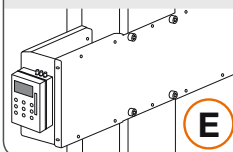
The upper part of the support is arranged with holes for the application of hose reels series 330 - 390 - 430 - 450 - 530 and solenoid valves for stopping the fluid. The drip-tray can be applied frontally.

Details and advantages

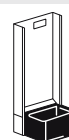
Universal drillings for application of accessories



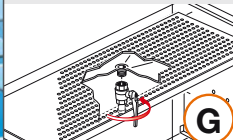
Arrangement for fixing the fluids control system

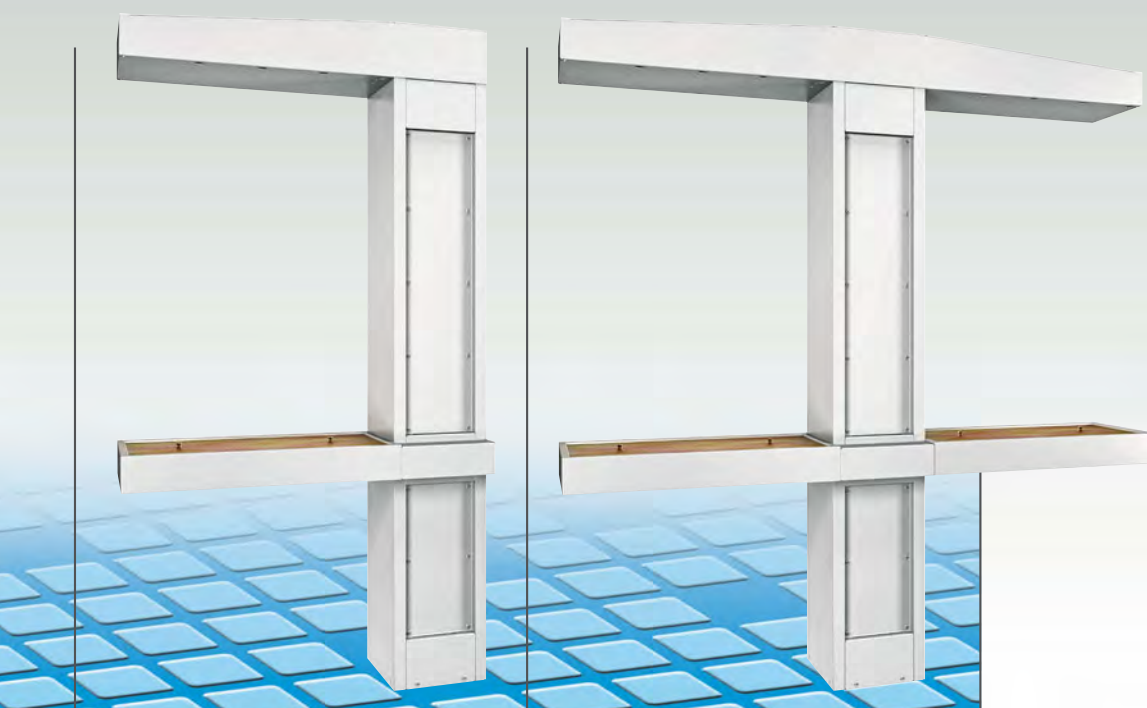


Holes for drip tray



Drip-tray





39324

39328

4 + (2 hose reel S. 260)

8 + (2 hose reel S. 260)

1 - 1,035
228

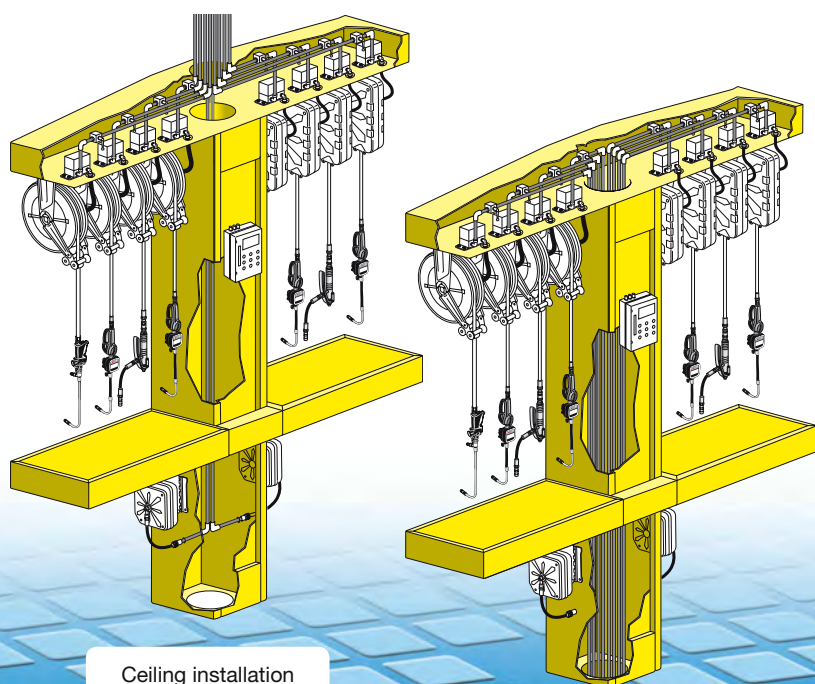
1 - 1,035
276

268,5 - 145,2 - 50,5

268,5 - 250,3 - 50,5

**Art. 88630
Modular drip-tray.**

Equipped with hook for gun and removable drip-tray. Applied under the hose reel, it is a handy holder for the delivery gun. Essential for a clean and orderly workplace.



Ceiling installation

Floor installation



G



FRONTAL/BILATERAL service columns

Frontal, bilateral service column or with containment tank.

Ideal service stations for rationalising the areas dedicated to delivery. Able to collect any leaks or accidental spills, by means of the containment tanks, in compliance with the new regulations. Installable on walls, they are real independent operational stations. Made from top quality materials, with scratchproof painting.



Article	39351	39352
Number of reels can be mounted	2 hose reel + 1 drum 180-220 kg	3 hose reel + 2 drums 180-220 kg
Packing  N° - m³	2 - 1,080	2 - 1,120
Weight  kg	161	183,5
Dimensions (A - B - C) cm	260 - 110 - 89,5	260 - 145 - 89,5

Art. 39901

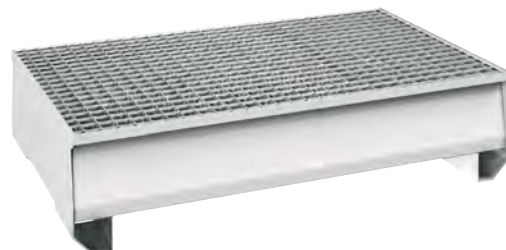
Containment tank 1 drum 180 - 220 Kg (capacity 197 litre)

 N°1 packing m³ 0,525  Kg 51

Art. 39902

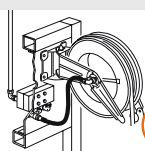
Containment tank 2 drum 180 - 220 Kg (capacity 266 litre)

 N°1 packing m³ 0,670  Kg 64,5



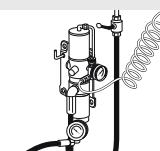
Details and advantages

Universal drillings for application of accessories



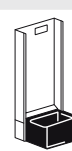
D

Holes for application of alternative pump

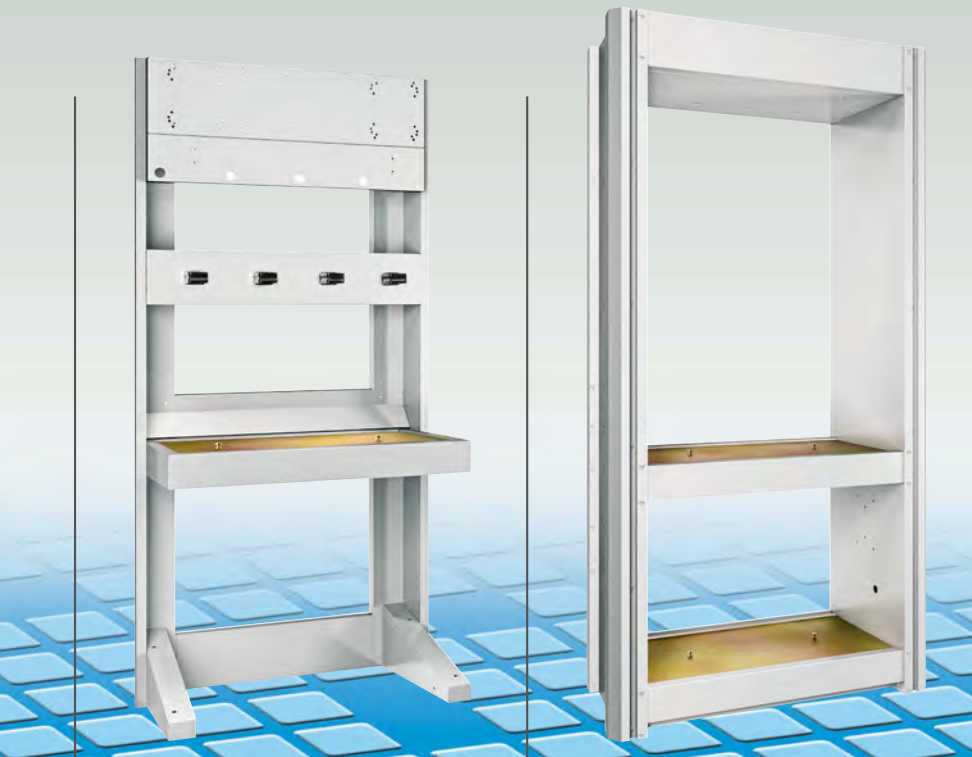


E

Holes for drip tray



F

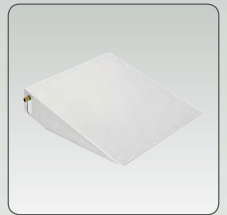


Accessories for Art. 39314 - 39317

Art. 39405 PC holder for service columns

N°1 packing m³ 0,019

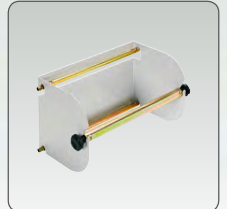
Kg 3,6



Art. 39406 Paper holder for service columns

N°1 packing m³ 0,044

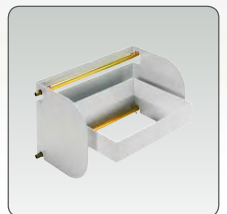
Kg 3,3



Art. 39407 Basket for service columns

N°1 packing m³ 0,044

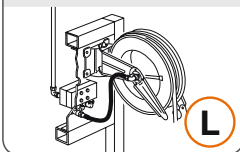
Kg 3,9



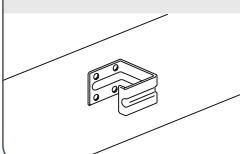
39304	39307	39314	39317
4	6	4 + (2 hose reel S. 260)	6 + (2 hose reel S. 260)
1 - 0,520	1 - 0,650	1 - 0,090	1 - 1,245
136	166	265	305
234 - 107 - 48,5	234 - 155 - 48,5	264 - 129 - 60	264 - 177 - 60

Details and advantages

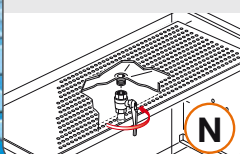
Universal drillings for application of accessories



Delivery gun-hose hook

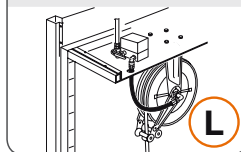


Drip-tray

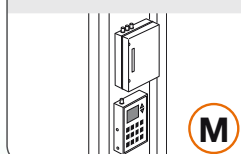


Details and advantages

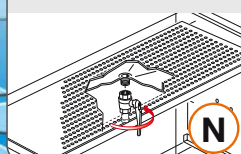
Universal drillings for application of accessories



Arrangement for fixing the fluids control system



Drip-tray





RAASM HOSE REEL

FLUIDS AND LUBRICATION EQUIPMENT



INDUSTRIAL HOSE REELS



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OPEN - HOSE POLYURETHANE



AIR-WATER 20 BAR

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ENCLOSED IN PAINTED STEEL SERIES 450 - 440



AIR-WATER 20 BAR

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OIL AND SIMILAR PRODUCTS 150 BAR

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GREASE 600 BAR

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ENCLOSED AND OPEN WITH DRUM IN ABS SHOCK PROOF



AIR-WATER 20 BAR

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WATER MAX 130°C 100 BAR

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WATER MAX 130°C 200 BAR

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OPEN - AIR-WATER - PAINTED OR STAINLESS STEEL



AIR-WATER 20 BAR

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WATER MAX 130°C 200 BAR

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WATER MAX 130°C 400 BAR

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OPEN - STAINLESS STEEL AISI 304



WATER MAX 130°C 100 BAR

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WATER MAX 130°C 200 BAR

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WATER MAX 130°C 400 BAR

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OPEN - STAINLESS STEEL AISI 316



WATER MAX 130°C 100 BAR

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OPEN - OIL, GREASE AND ALLIED PRODUCTS - PAINTED OR STAINLESS STEEL



OIL AND SIMILAR PRODUCTS 150 BAR

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GREASE 600 BAR

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OPEN - DIESEL FUEL AND ADBLUE IN PAINTED OR STAINLESS STEEL



DIESEL FUEL 10 BAR page 168

ADBLUE 10 BAR page 170

OPEN - DOUBLE INLET AND OUTLET - PAINTED STEEL



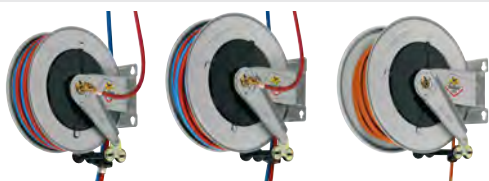
AIR-WATER 20 BAR page 171

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PNEUMATIC OR HYDRAULIC MOTOR OPERATED INDUSTRIAL SERIES - PAINTED STEEL



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GROUNDING CABLE REEL page 177

SERIES 700 MOTOR DRIVEN AND MANUAL OPERATED - PAINTED STEEL



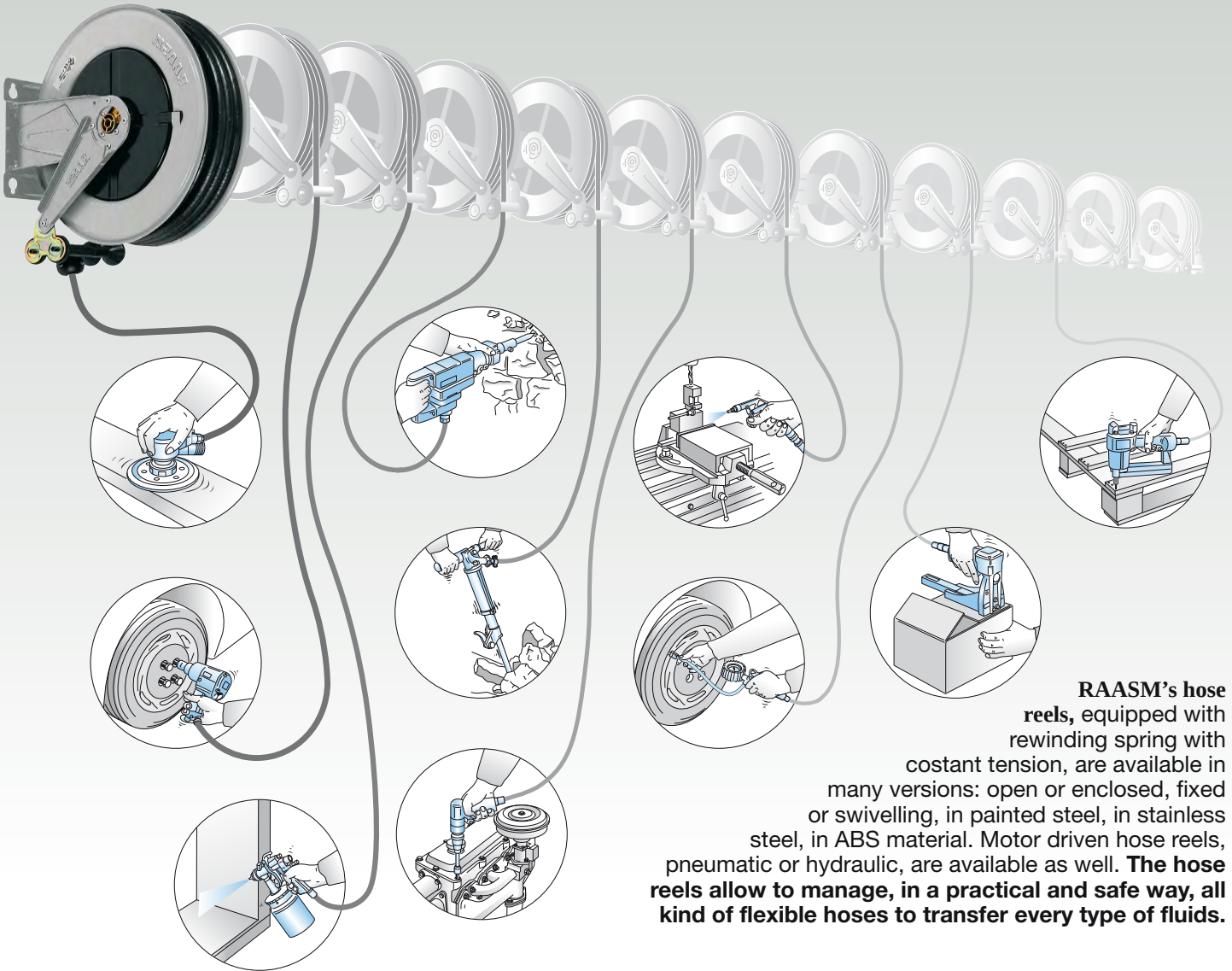
SERIES 700 page 178



ACCESSORIES - HOSES page 180

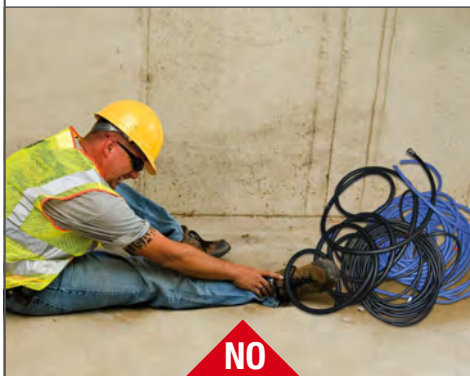


RAASM introduces his wide range of hose reels



RAASM's hose reels, equipped with rewinding spring with constant tension, are available in many versions: open or enclosed, fixed or swivelling, in painted steel, in stainless steel, in ABS material. Motor driven hose reels, pneumatic or hydraulic, are available as well. **The hose reels allow to manage, in a practical and safe way, all kind of flexible hoses to transfer every type of fluids.**

HOSE REEL ADVANTAGES



ACCIDENT

The hose reel **allow workers to operate in a safe workplace, using equipment always ready for use.**



BREAK

The hose reel **safeguards against wear and possible breakage of the hoses themselves.**



DISORDER

With the hose reel, hose rewinding is quick and safe, for an **orderly workplace.**

Choosing a hose reel

When choosing a hose reel, it is important to consider the following aspects:

TYPE OF FLUID TO BE DELIVERED	FLOWRATE IN L/MIN TO BE DELIVERED	LENGTH AND DIAMETER OF HOSE TO BE USED	PRESSURE OF FLUID
-------------------------------	-----------------------------------	--	-------------------

TYPE OF FLUID TO BE DELIVERED AND PRESSURE OF FLUID

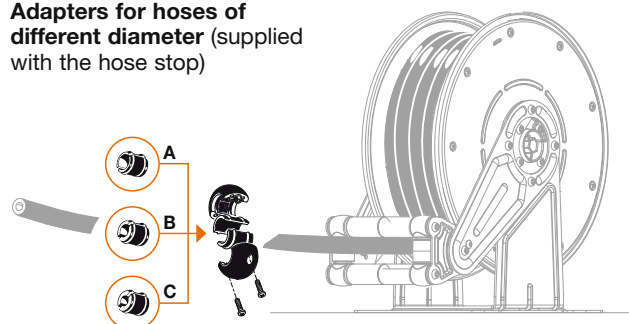
Air - Water 20 bar	AdBlue 10 bar
Water max 130° C 100 bar	Air - Water 20 bar
Water max 130° C 200 bar	Oil - Water 200 bar
Water max 130° C 400 bar	Oil - Paint 200 bar
Oil and similar products 150 bar	Oil 400 bar
Grease 600 bar	Welding 20 bar
Diesel fuel 10 bar	LPG - methane 20 bar

HOSE LENGTH AND DIAMETER

external diameter of hose	HOSE REELS SERIES									
	290	330	380 - 390	420 - 430	440 - 450	520 - 530	540 - 550	560	617 - 618	637 - 638
ø 12 mm	max. length 16 m	max. length 18 m	max. length 22 m	-	-	-	-	-	-	-
ø 14 mm	max. length 14 m	max. length 16 m	max. length 20 m	-	-	-	-	-	-	-
ø 17 mm	max. length 10 m	max. length 12 m	max. length 18 m	max. length 21 m	max. length 21 m	max. length 28 m	-	-	-	-
ø 19,5 mm		-	-	max. length 16 m	max. length 16 m	max. length 26 m	-	-	-	-
ø 22 mm		-	-	max. length 14 m	max. length 14 m	max. length 24 m	max. length 30 m	max. length 60 m	max. length 50 m	max. length 100 m
ø 28 mm		-	-	-	-	-	max. length 22 m	max. length 40 m	max. length 30 m	max. length 60 m
ø 34 mm		-	-	-	-	-	max. length 17 m	max. length 30 m	max. length 20 m	max. length 40 m
ø 44 mm		-	-	-	-	-	-	-	max. length 15 m	max. length 30 m
ø 50 mm		-	-	-	-	-	-	-	max. length 10 m	max. length 20 m
ø 13 + 13 mm		-	-	max. length 13 m	-	max. length 22 m	max. length 37 m	-	-	-
ø 15 + 15 mm		-	-	max. length 12 m	-	max. length 20 m	max. length 35 m	-	-	-
ø 16 + 16 mm		-	-	max. length 10 m	-	max. length 15 m	max. length 27 m	-	-	-

HOSE STOP

Adapters for hoses of different diameter (supplied with the hose stop)



Universal hose stop comes with all hose reels supplied without hose, complete with adapters for using hoses of different diameter.

Article	Hose reels series	ø Reductions
KR7201	290 - 330 380 - 390	Painted - S. steel 12 - 14 - 16 mm
KR8104	420 - 430 - 440 450 - 520 - 530	Painted - S. steel 14 - 17 - 19 mm
KR8705	540 - 550 - 560	Painted - S. steel 14 - 17,5 - 21 28,5 - 30 - 34 mm
KR8907	420 - 520 - 540	Double hose 12 - 14 - 15 - 16 mm



Technical characteristics

Corrosion proof: all the components are treated or painted for external use.
Easy to install anywhere: on wall, floor, ceiling, vehicles, etc.

Automatic stopping system: allows hose to be locked at the required length

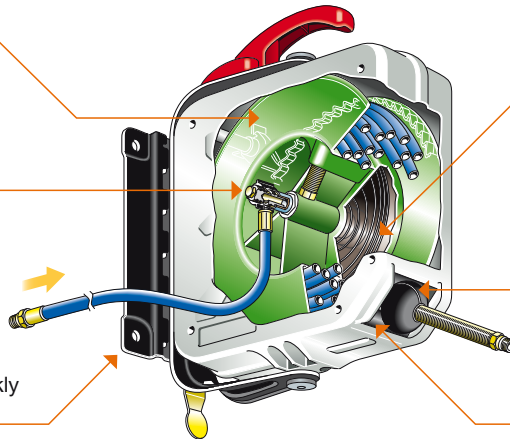
Fluid conveyance joint

The wall bracket with bayonet hooking is easy to mount and allows to remove quickly the hose reel when necessary

Rewinding spring

Adjustable hose stop

Self-lubricating hose guide rollers



Drum support bushings in self-lubricating material

The easy to install adjustable bracket allows the hose reel to be removed for any maintenance

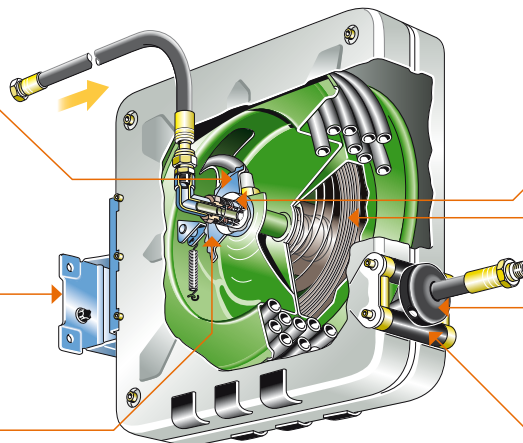
The trip enables automatic stopping at the required length

Fluid conveyance joint

Rewinding spring

Adjustable hose stop

Self-lubricating hose guide rollers



Automatic stopping system: allows the hose to be locked at the required length

Adjustable arm: to favour hose extraction according to hose reel installation

Self-lubricating hose guide rollers: wide multi-way opening

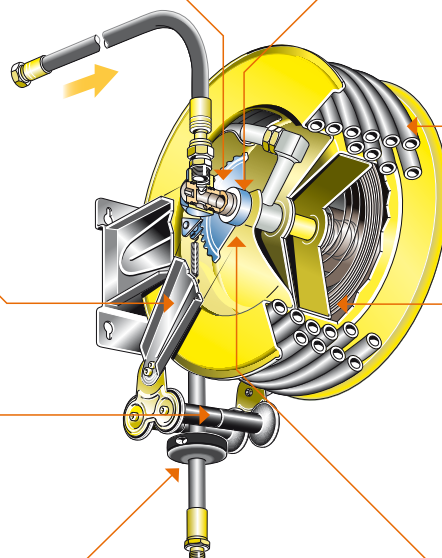
Adjustable hose stop

Drum support bushings in brass alloy, self-lubricating, effective and corrosion resistant

Hose reel drum: sturdy and practical with ribbing and rounded edges

Fully enclosed and protected constant-force automatic rewinding spring

Fluid passage swivel joint in brass / carbon steel / s/steel / AISI 304 s/steel with polyurethane / viton / teflon seals





Guide to reading the catalogue

1. Type of fluid
to be delivered
(water, air, oil,
grease, other)

2. Pressure
of fluid to be
delivered linked
to the feed pressure

3. Hose length
the distance between
the hose reel and the
places where the fluid
is to be delivered

4. Hose diameter
on which the capacity of the
hose itself depends

S. 290

S. 330

AIR / WATER - 20 bar

PAINTED STEEL

FIXED	SWIVELLING	Supplied with:
		- hoses in black synthetic
		- galvanised steel fitting
		- swivel in brass
		- seals in "viton"
Article	Article	Hose supplied
8290.100	-	without hose
8290.101	-	10m - 3/8" (995.210)
8290.104	-	15m - 1/4" (993.215)
8330.100	-	without hose
8330.101	-	12m - 3/8" (995.211)

A. Stainless steel or painted
this depends on the
workplace (closed or open)
and the type of hose reel
use (protected or exposed
to water sprays)

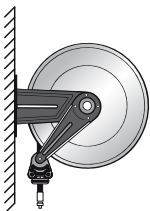
B. Fixed or swivelling
if the hose reel is used in a
battery its operating range will
be limited, therefore the fixed
version is preferable.
For uses requiring a greater
operating range the swivelling
version is recommended

C. Open or enclosed
the enclosed version is
available only for the
following fluids: air, oil
and grease. The choice
is up to the customer

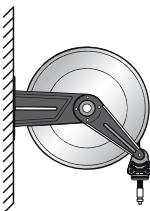
HOSE REEL INSTALLATION

Example of installation: the adjustable arms can be easily repositioned according to needs

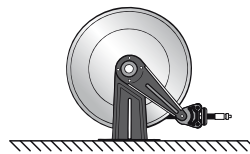
Standard installation



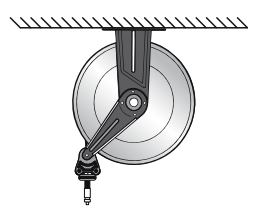
Wall installation



Bench installation



Ceiling installation



ACCESSORIES FOR HOSE REEL

Art. 88650

**Latch mechanism
protective cover**
rack side for hose reels
series 420 - 430

Art. 88651

**Latch mechanism
protective cover**
rack side for hose reels
series 520 - 530
540 - 550 - 560



Art. 88630

Modular drip-tray.
Equipped with hook
for gun and removable
drip-tray.
Applied under the
hose reel, it is a
handy holder for the
delivery gun.
Essential for a clean
and orderly workplace.





AIR / WATER - 20 bar

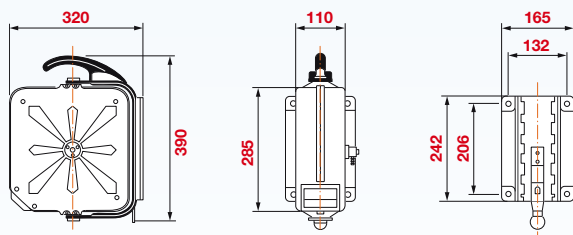
Series 260



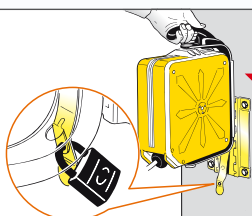
SWIVELLING wall support with BAYONET hooking

Article	Hose supplied	Connection	
		inlet	outlet
89010	11m - 8x12 (971.111)	M1/4"G	M1/4"G
89011	11m - 6x10 (971.011)	M1/4"G	M1/4"G

OVERALL DIMENSIONS



To prevent removal or theft of the hose reel, it can be secured with a bolt or padlock.



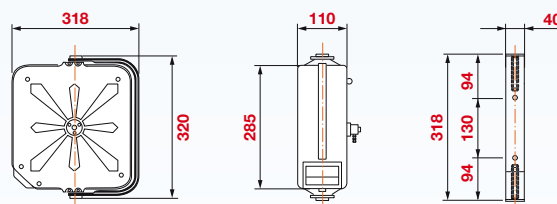
Series 260



SWIVELLING SIMPLE wall support

Article	Hose supplied	Connection	
		inlet	outlet
89109	11m - 8x12 (971.111)	M1/4"G	M1/4"G
89110	11m - 6x10 (971.011)	M1/4"G	M1/4"G

OVERALL DIMENSIONS



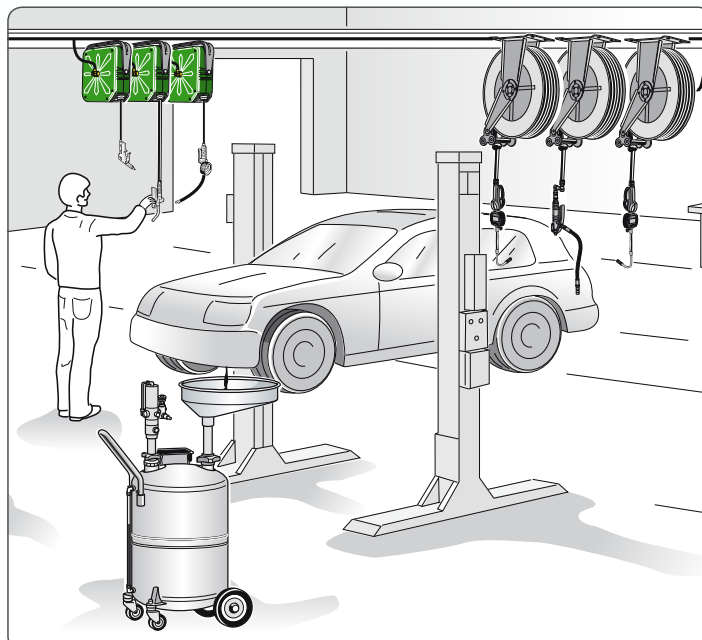
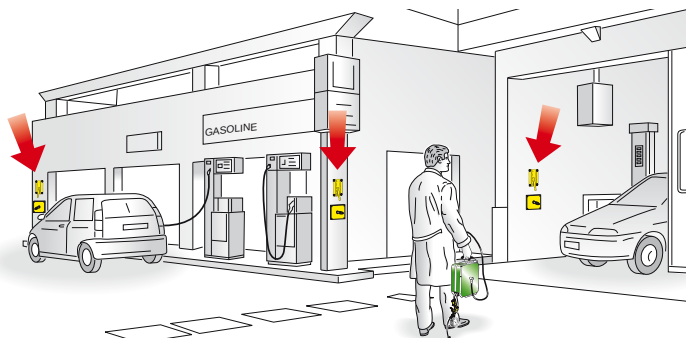
Supplied with

- polyurethane hose
- zinc plated steel couplings
- brass swivel joint
- "viton" seals



Art. 89001

Series 260 hose reels are equipped with a **wall bracket with bayonet hooking**. The placing of several brackets in the service points allows the hose reel to be easily moved to the various workstations.





AIR / WATER - 20 bar PAINTED STEEL



In accordance with directive
Atex 94/9 II 3 GD c X



FIXED



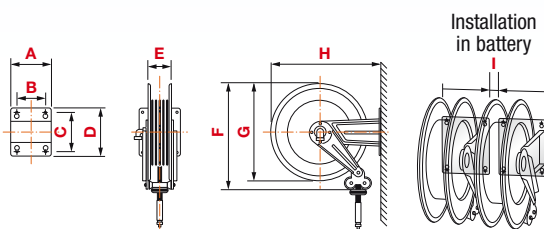
Supplied with:

- polyurethane hose
- brass fitting
- brass swivel joint
- "viton" seals



	Article	Hose supplied	Connection	
			inlet	outlet
S. 288	8288.100	without hose	M3/8"G	F3/8"G
	8288.102	13m - 10x14,5 (972.113)	M3/8"G	M3/8"G
	8288.103	15m - 8x12 (971.115)	M3/8"G	M1/4"G
	8288.104	10m - 6x10 (971.010)	M3/8"G	M1/4"G
	8288.105	15m - 6x10 (971.015)	M3/8"G	M1/4"G
S. 328	8328.100	without hose	M3/8"G	F3/8"G
	8328.102	15m - 10x14,5 (972.115)	M3/8"G	M3/8"G
	8328.103	18m - 8x12 (971.118)	M3/8"G	M1/4"G
	8328.104	8m - 13x19 (976.108)	M1/2"G	M1/2"G
	8328.105	12m - 13x19 (976.112)	M1/2"G	M1/2"G
S. 378	8378.100	without hose	M3/8"G	F3/8"G
	8378.102	20m - 10x14,5 (972.120)	M3/8"G	M3/8"G
	8378.103	20m - 8x12 (971.120)	M3/8"G	M1/4"G
	8378.104	10m - 13x19 (976.110)	M1/2"G	M1/2"G
	8378.105	15m - 13x19 (976.114)	M1/2"G	M1/2"G
S. 438	8430.100	without hose	F1/2"G	F1/2"G
	8438.101	10m - 13x19 (976.111)	F1/2"G	M1/2"G
	8438.102	15m - 13x19 (976.115)	F1/2"G	M1/2"G

FIXED OVERALL DIMENSIONS

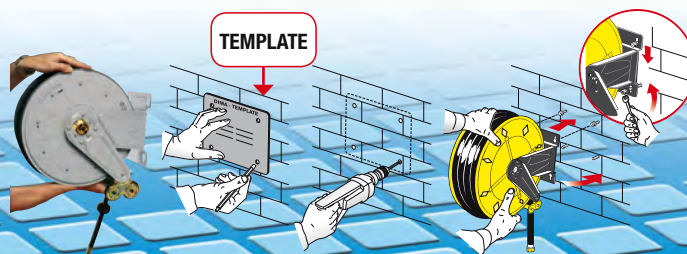


Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 288	186	140	196	226	110	310	300	320	-	0,037	from 7 to 12
S. 328	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 378	186	140	196	226	110	400	390	410	20	0,068	from 10 to 17
S. 438	186	140	196	226	115	450	420	460	20	0,098	from 14 to 21

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.





ENCLOSED IN PAINTED STEEL

Series 450

Series 440



In accordance with directive
Atex 94/9
IIB 2 GD c T4 T135 °C X

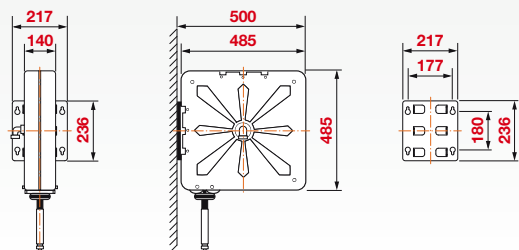


Supplied with:
- hoses in black synthetic rubber
- zinc plated steel couplings



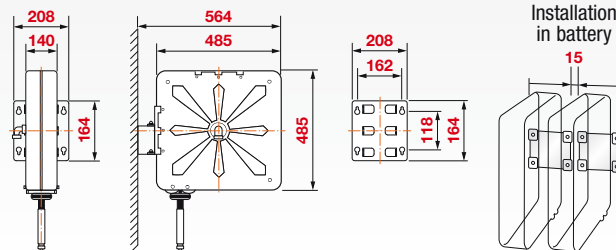
	Article	Article	Hose supplied	Connection	
				inlet	outlet
Air - Water 20 bar - bras swivel joint - "viton" seals	8450.100	8440.100	without hose	F1/2"G	F1/2"G
	8450.101	8440.101	12m - 3/8" (995.212)	F1/2"G	M3/8"G
	8450.102	8440.102	18m - 3/8" (995.218)	F1/2"G	M3/8"G
	8450.103	8440.103	10m - 1/2" (996.210)	F1/2"G	M1/2"G
	8450.104	8440.104	15m - 1/2" (996.215)	F1/2"G	M1/2"G
Oil and similar products 150 bar - carbon steel swivel joint - "polyurethane" seals	8450.400	8440.400	without hose	F1/2"G	F1/2"G
	8450.401	8440.401	10m - 1/2" (996.310)	F1/2"G	M1/2"G
	8450.402	8440.402	15m - 1/2" (996.315)	F1/2"G	M1/2"G
Grease 600 bar - carbon steel swivel joint - "polyurethane" seals	8450.500	8440.500	without hose	F3/8"G	F1/2"G
	8450.501	8440.501	12m - 1/4" (993.512)	F3/8"G	M1/4"G
	8450.502	8440.502	18m - 1/4" (993.518)	F3/8"G	M1/4"G
	8450.505	8440.505	10m - 3/8" (995.710)	F3/8"G	M1/4"G
	8450.506	8440.506	15m - 3/8" (995.715)	F3/8"G	M1/4"G

FIXED OVERALL DIMENSIONS



N°1 packing m³ 0,111 from kg 21 to 29

SWIVELLING OVERALL DIMENSIONS



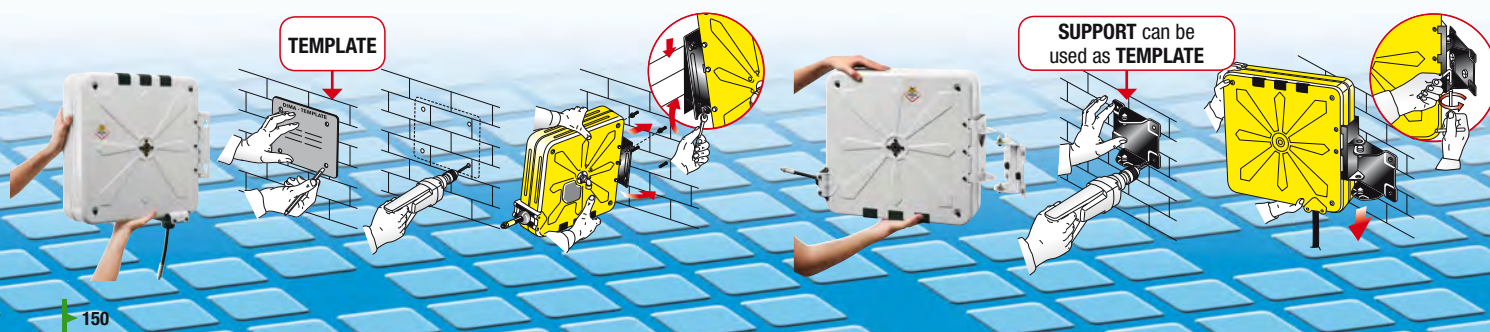
N°1 packing m³ 0,111 from kg 22 to 30

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables **55° rotation** to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





ENCLOSED IN PAINTED STEEL with **ABS** spool

Series 450

cover in
painted steel



In accordance with directive
Atex 94/9 II 3 GD c X

ABS shock
proof drum

Supplied with:
- hoses in black synthetic rubber
- zinc plated steel couplings



FIXED support

Article

Hose supplied

Connection

inlet

outlet

Air - Water 20 bar

- bras swivel joint
- "viton" seals

9450.100

9450.101

9450.102

9450.103

9450.104

without hose

F1/2"G

F1/2"G

12m - 3/8" (995.212)

F1/2"G

M3/8"G

18m - 3/8" (995.218)

F1/2"G

M3/8"G

10m - 1/2" (996.210)

F1/2"G

M1/2"G

15m - 1/2" (996.215)

F1/2"G

M1/2"G

Oil and similar products 150 bar

- carbon steel swivel joint
- "polyurethane" seals

9450.400

9450.401

9450.402

without hose

F1/2"G

F1/2"G

10m - 1/2" (996.310)

F1/2"G

M1/2"G

15m - 1/2" (996.315)

F1/2"G

M1/2"G

Grease 600 bar

- carbon steel swivel joint
- "polyurethane" seals

9450.500

9450.501

9450.502

9450.505

9450.506

without hose

F3/8"G

F1/2"G

12m - 1/4" (993.512)

F3/8"G

M1/4"G

18m - 1/4" (993.518)

F3/8"G

M1/4"G

10m - 3/8" (995.710)

F3/8"G

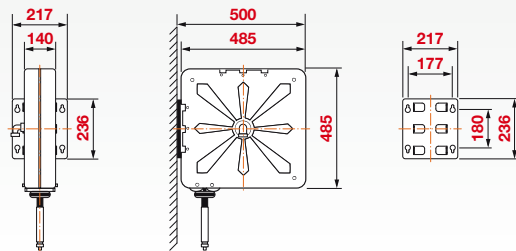
M1/4"G

15m - 3/8" (995.715)

F3/8"G

M1/4"G

FIXED OVERALL DIMENSIONS



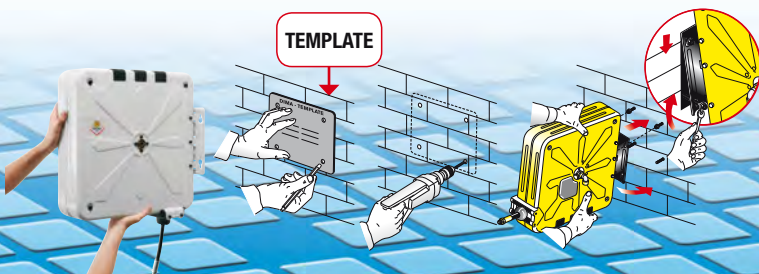
N°1 packing m³ 0,111 from kg 20 to 29

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

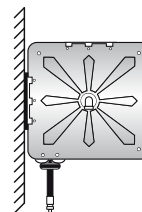
TEMPLATE



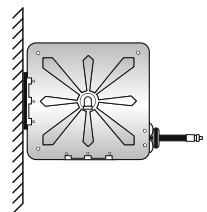
HOSE REEL INSTALLATION

Example of installation: the hose reel can be easily repositioned according to needs

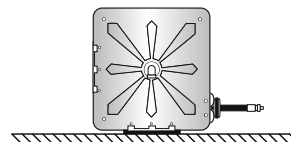
Standard installation



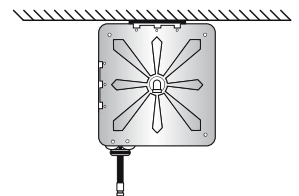
Wall installation



Bench installation



Ceiling installation





PAINTED STEEL with ABS spool

Series 430

Painted steel bracket



In accordance with directive
Atex 94/9 II 3 GD c X

ABS shock proof drum

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings



FIXED support

Article

Hose supplied

Connection

inlet

outlet

Air - Water 20 bar

- bras swivel joint
- "viton" seals

9430.100

9430.101

9430.102

9430.103

9430.104

without hose

F1/2"G

F1/2"G

12m - 3/8" (995.212)

F1/2"G

M3/8"G

18m - 3/8" (995.218)

F1/2"G

M3/8"G

10m - 1/2" (996.210)

F1/2"G

M1/2"G

15m - 1/2" (996.215)

F1/2"G

M1/2"G

Water max 130° C 100 bar

- AISI 304 stainless steel swivel joint
- "viton" seals

9430.200

9430.201

9430.202

hygieninc hose

9431.202

without hose

F1/2"G

F1/2"G

10m - 1/2" (996.311)

F1/2"G

M1/2"G

15m - 1/2" (996.316)

F1/2"G

M1/2"G

15m - 1/2" (996.415)

F1/2"G

M1/2"G

Water max 130° C 200 bar

- AISI 304 stainless steel swivel joint
- "viton" seals

9430.300

9430.301

9430.302

hygieninc hose

9431.302

without hose

F3/8"G

F1/2"G

12m - 3/8" (995.512)

F3/8"G

F3/8"G

18m - 3/8" (995.518)

F3/8"G

F3/8"G

18m - 3/8" (995.618)

F3/8"G

F3/8"G

Oil and similar products 150 bar

- carbon steel swivel joint
- "polyurethane" seals

9430.400

9430.401

9430.402

without hose

F1/2"G

F1/2"G

10m - 1/2" (996.310)

F1/2"G

M1/2"G

15m - 1/2" (996.315)

F1/2"G

M1/2"G

Grease 600 bar

- carbon steel swivel joint
- "polyurethane" seals

9430.500

9430.501

9430.502

9430.505

9430.506

without hose

F3/8"G

F1/2"G

12m - 1/4" (993.512)

F3/8"G

M1/4"G

18m - 1/4" (993.518)

F3/8"G

M1/4"G

10m - 3/8" (995.710)

F3/8"G

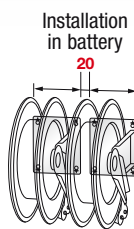
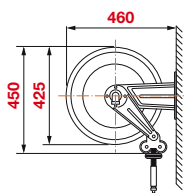
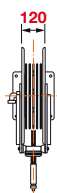
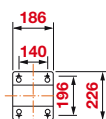
M1/4"G

15m - 3/8" (995.715)

F3/8"G

M1/4"G

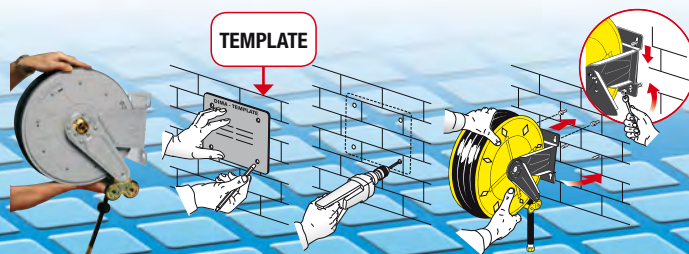
FIXED OVERALL DIMENSIONS



N°1 packing m³ 0,098 from kg 14 to 24

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.



TEMPLATE



STAINLESS STEEL with ABS spool

Series 430

AISI 304 stainless steel bracket



In accordance with directive
Atex 94/9 II 3 GD c X

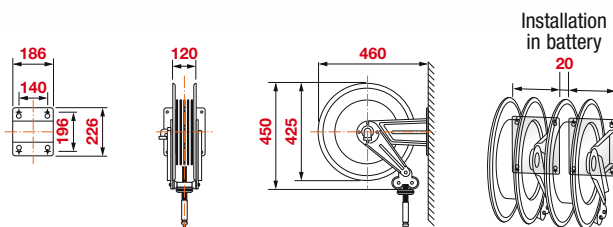
ABS shock
proof drum

Supplied with:
- hoses in black synthetic rubber
- zinc plated steel couplings



	Article	Hose supplied	Connection	
			inlet	outlet
Air - Water 20 bar - bras swivel joint - "viton" seals	9432.100	without hose	F1/2"G	F1/2"G
	9432.101	12m - 3/8" (995.212)	F1/2"G	M3/8"G
	9432.102	18m - 3/8" (995.218)	F1/2"G	M3/8"G
	9432.103	10m - 1/2" (996.210)	F1/2"G	M1/2"G
	9432.104	15m - 1/2" (996.215)	F1/2"G	M1/2"G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - "viton" seals	9434.200	without hose	F1/2"G	F1/2"G
	9432.201	10m - 1/2" (996.311)	F1/2"G	M1/2"G
	9432.202	15m - 1/2" (996.316)	F1/2"G	M1/2"G
	hygieninc hose 9433.202	15m - 1/2" (996.415)	F1/2"G	M1/2"G
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - "viton" seals	9434.300	without hose	F3/8"G	F1/2"G
	9432.301	12m - 3/8" (995.512)	F3/8"G	F3/8"G
	9432.302	18m - 3/8" (995.518)	F3/8"G	F3/8"G
	hygieninc hose 9433.302	18m - 3/8" (995.618)	F3/8"G	F3/8"G
Oil and similar products 150 bar - AISI 304 stainless steel swivel joint - "viton" seals	9434.200	without hose	F1/2"G	F1/2"G
	9432.401	10m - 1/2" (996.310)	F1/2"G	M1/2"G
	9432.402	15m - 1/2" (996.315)	F1/2"G	M1/2"G
Grease 600 bar - carbon steel swivel joint - "polyurethane" seals	9432.500	without hose	F3/8"G	F1/2"G
	9432.501	12m - 1/4" (993.512)	F3/8"G	M1/4"G
	9432.502	18m - 1/4" (993.518)	F3/8"G	M1/4"G
	9432.505	10m - 3/8" (995.710)	F3/8"G	M1/4"G
	9432.506	15m - 3/8" (995.715)	F3/8"G	M1/4"G

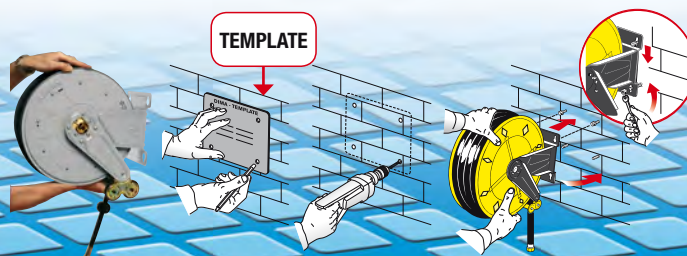
FIXED OVERALL DIMENSIONS



N°1 packing m³ 0,098 from kg 14 to 24

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.





AIR / WATER - 20 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

8290.100
8290.101
8290.104

S. 290

SWIVELLING



Article

-
-
-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- brass swivel joint
- "viton" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F3/8"G	F3/8"G
10m - 3/8" (995.210)	F3/8"G	M3/8"G
15m - 1/4" (993.215)	F3/8"G	M1/4"G
without hose	F3/8"G	F3/8"G
12m - 3/8" (995.211)	F3/8"G	M3/8"G
without hose	F3/8"G	F3/8"G
18m - 3/8" (995.217)	F3/8"G	M3/8"G
without hose	F1/2"G	F1/2"G
12m - 3/8" (995.212)	F1/2"G	M3/8"G
18m - 3/8" (995.218)	F1/2"G	M3/8"G
10m - 1/2" (996.210)	F1/2"G	M1/2"G
15m - 1/2" (996.215)	F1/2"G	M1/2"G
for ABS hose reels Series 430 see page 152		
without hose	F1/2"G	F1/2"G
20m - 1/2" (996.220)	F1/2"G	M1/2"G
25m - 1/2" (996.225)	F1/2"G	M1/2"G
without hose	F1"G	F1"G
15m - 3/4" (997.215)	F1"G	M3/4"G
20m - 3/4" (997.220)	F1"G	M3/4"G
15m - 1" (998.215)	F1"G	M1"G
without hose	F1/2"G	F1/2"G
30m - 1/2" (996.230)	F1/2"G	M1/2"G
without hose	F1"G	F1"G
30m - 3/4" (997.230)	F1"G	M3/4"G
40m - 3/4" (997.240)	F1"G	M3/4"G
20m - 1" (998.220)	F1"G	M1"G
30m - 1" (998.230)	F1"G	M1"G
without hose	F1/2"G	F1/2"G

8330.100
8330.101

S. 330

8380.100
8380.102

S. 390

8430.100
8430.101
8430.102
8430.103
8430.104

S. 430

8420.100
8420.101
8420.102
8420.103
8420.104

S. 530

8530.100
8530.101
8530.102

8520.100
8520.101
8520.102

S. 540

8540.100
8540.101
8540.102
8540.103
8540.105
8540.106

8550.100
8550.101
8550.102
8550.103
8550.105
8550.106

S. 560

8560.100
8560.101
8560.103
8560.104
8560.105
8560.106

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-
-
-
-
-

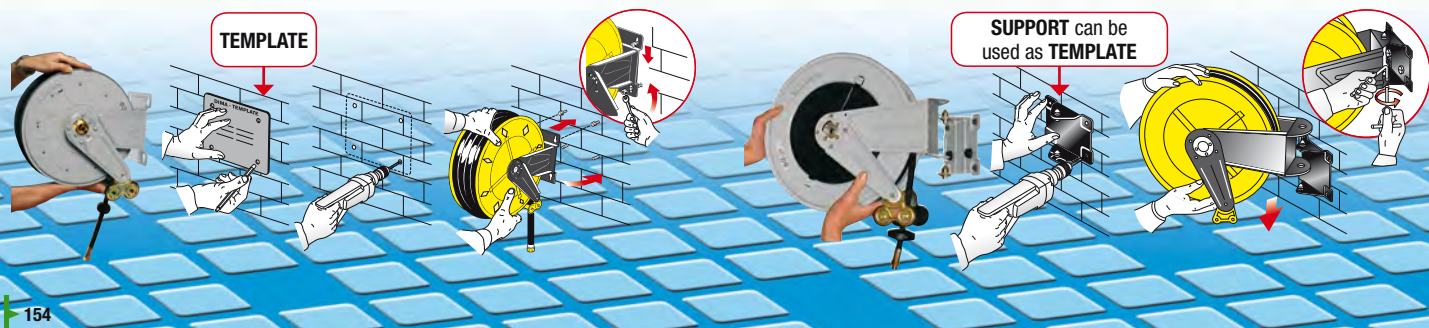
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables 55° rotation to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





AIR / WATER - 20 bar

STAINLESS STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X



FIXED



Article

8292.100
8292.101
8292.104

S. 290

SWIVELLING



Article

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-
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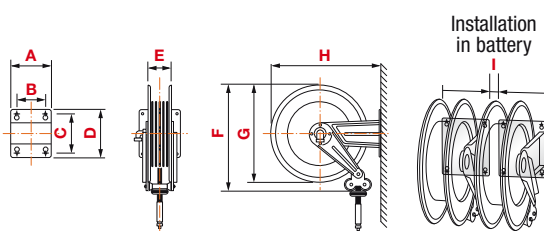
Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- brass swivel joint
- "viton" seals



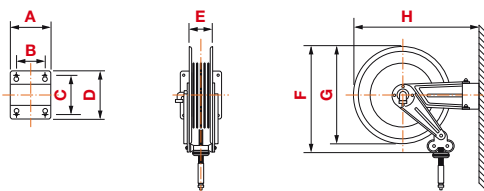
Hose supplied	Connection	
	inlet	outlet
without hose	F3/8"G	F3/8"G
10m - 3/8" (995.210)	F3/8"G	M3/8"G
15m - 1/4" (993.215)	F3/8"G	M1/4"G
without hose	F3/8"G	F3/8"G
12m - 3/8" (995.211)	F3/8"G	M3/8"G
without hose	F3/8"G	F3/8"G
18m - 3/8" (995.217)	F3/8"G	M3/8"G
without hose	F1/2"G	F1/2"G
12m - 3/8" (995.212)	F1/2"G	M3/8"G
18m - 3/8" (995.218)	F1/2"G	M3/8"G
10m - 1/2" (996.210)	F1/2"G	M1/2"G
15m - 1/2" (996.215)	F1/2"G	M1/2"G
for ABS hose reels Series 430 see page 153		
without hose	F1/2"G	F1/2"G
20m - 1/2" (996.220)	F1/2"G	M1/2"G
25m - 1/2" (996.225)	F1/2"G	M1/2"G
without hose	F1"G	F1"G
15m - 3/4" (997.215)	F1"G	M3/4"G
20m - 3/4" (997.220)	F1"G	M3/4"G
15m - 1" (998.215)	F1"G	M1"G
without hose	F1/2"G	F1/2"G
30m - 1/2" (996.230)	F1/2"G	M1/2"G
without hose	F1"G	F1"G
30m - 3/4" (997.230)	F1"G	M3/4"G
40m - 3/4" (997.240)	F1"G	M3/4"G
20m - 1" (998.220)	F1"G	M1"G
30m - 1" (998.230)	F1"G	M1"G
without hose	F1/2"G	F1/2"G

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 290	186	140	196	226	110	310	300	320	-	0,037	from 7 to 12
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40
S. 560	488	399	238	272	368	550	510	578	0	0,310	from 30 to 80

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 380	184	146	106	144	110	400	390	484	0,098	from 12 to 19
S. 420	208	162	118	164	115	460	420	541	0,098	from 15 to 25
S. 520	228	182	154	200	115	560	510	642	0,120	from 20 to 43
S. 550	300	218	226	268	190	560	510	702	0,175	from 25 to 41

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.



WATER MAX 130°C - 100 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

8330.200
8330.201

SWIVELLING



Article

-
-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "viton" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F1/2"G	F 3/8"-1/2"G
12m - 3/8" (995.313)	F1/2"G	M3/8"G

S. 330

S. 390

8390.200
8390.202

8380.200
8380.202

without hose	F1/2"G	F3/8"-1/2"G
17m - 3/8" (995.318)	F1/2"G	M3/8"G

S. 430

8430.200
8430.201
8430.202

8420.200
8420.201
8420.202

without hose	F1/2"G	F1/2"G
10m - 1/2" (996.311)	F1/2"G	M1/2"G
15m - 1/2" (996.316)	F1/2"G	M1/2"G

for ABS hose reels Series 430 see page 152

S. 530

8530.200
8530.201

8520.200
8520.201

without hose	F1/2"G	F1/2"G
20m - 1/2" (996.321)	F1/2"G	M1/2"G

S. 540

8540.200
8540.202
8540.203

8550.200
8550.202
8550.203

without hose	F1"G	F1"G
20m - 3/4" (997.320)	F1"G	M3/4"G
15m - 1" (998.315)	F1"G	M1"G

S. 560

8560.200
8560.205

-
-

without hose	F1"G	F1"G
30m - 1" (998.330)	F1"G	M1"G

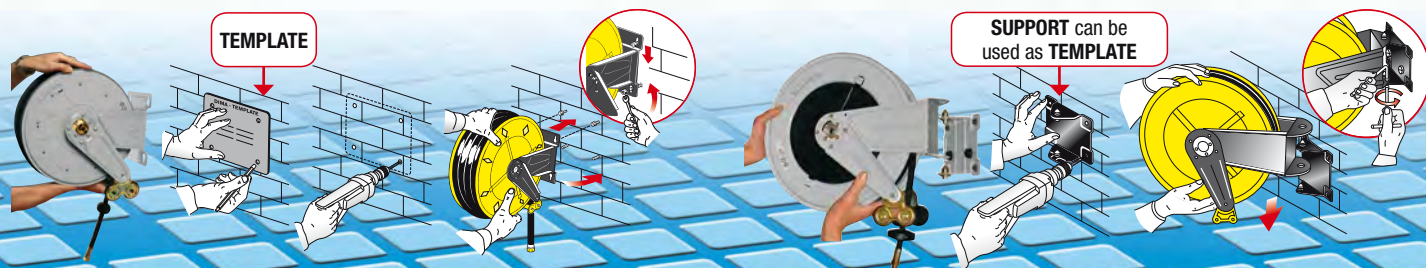
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables **55° rotation** to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





WATER MAX 130°C - 100 bar

STAINLESS STEEL



In accordance with directive ATEX
94/9 IIB 2 GD c T4 T135 °C X

FIXED

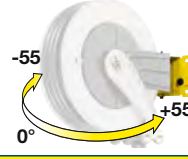


Article

8332.400
8332.201
8333.202

S. 330
hygienic hose

SWIVELLING



Article

-
-
-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "viton" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F1/2"G	F 3/8"-1/2"G
12m - 3/8" (995.313)	F1/2"G	M3/8"G
12m - 3/8" (995.412)	F1/2"G	M3/8"G

without hose	F1/2"G	F3/8"-1/2"G
17m - 3/8" (995.318)	F1/2"G	M3/8"G
12m - 3/8" (995.412)	F1/2"G	M3/8"G

without hose	F1/2"G	F1/2"G
10m - 1/2" (996.311)	F1/2"G	M1/2"G
15m - 1/2" (996.316)	F1/2"G	M1/2"G
15m - 1/2" (996.415)	F1/2"G	M1/2"G

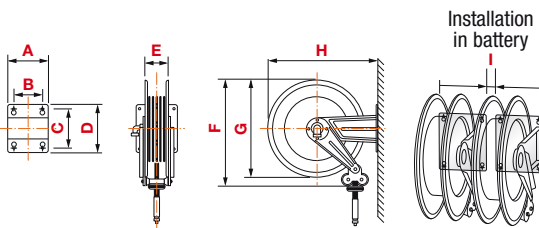
for ABS hose reels Series 430 see page 153

without hose	F1/2"G	F1/2"G
20m - 1/2" (996.321)	F1/2"G	M1/2"G
25m - 1/2" (996.425)	F1/2"G	M1/2"G

without hose	F1"G	F1"G
20m - 3/4" (997.320)	F1"G	M3/4"G
15m - 1" (998.315)	F1"G	M1"G
20m - 3/4" (997.420)	F1"G	M3/4"G

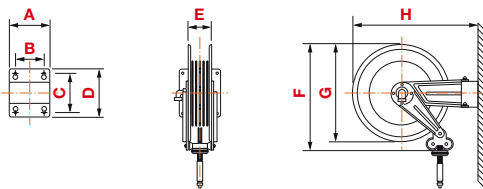
without hose	F1"G	F1"G
30m - 1" (998.330)	F1"G	M1"G

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40
S. 560	488	399	238	272	368	550	510	578	0	0,310	from 30 to 80

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 380	184	146	106	144	110	400	390	484	0,098	from 12 to 19
S. 420	208	162	118	164	115	460	420	541	0,098	from 15 to 25
S. 520	228	182	154	200	115	560	510	642	0,120	from 20 to 43
S. 550	300	218	226	268	190	560	510	702	0,175	from 25 to 41

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.



WATER MAX 130°C - 200 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

8330.300
8330.301

SWIVELLING



Article

-
-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "viton" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F3/8"G	F3/8"G
12m - 5/16" (994.512)	F3/8"G	F3/8"G

S. 330

S. 390

8390.300
8390.302

8380.300
8380.302

without hose
17m - 5/16" (994.517)

F3/8"G
F3/8"G

S. 430

8430.300
8430.301
8430.302

8420.300
8420.301
8420.302

without hose
12m - 3/8" (995.512)
18m - 3/8" (995.518)

F3/8"G
F3/8"G
F3/8"G

for ABS hose reels Series 430 see page 152

S. 530

8530.300
8530.301
8530.302

8520.300
8520.301
8520.302

without hose
20m - 3/8" (995.520)
25m - 3/8" (995.525)

F3/8"G
F3/8"G
F3/8"G

S. 540

8540.300
8540.301

8550.300
8550.301

without hose
30m - 3/8" (995.530)

F3/8"G
F3/8"G

S. 560

8560.300
8560.301
8560.302

-
-
-

without hose
40m - 3/8" (995.540)
50m - 3/8" (995.550)

F3/8"G
F3/8"G
F3/8"G

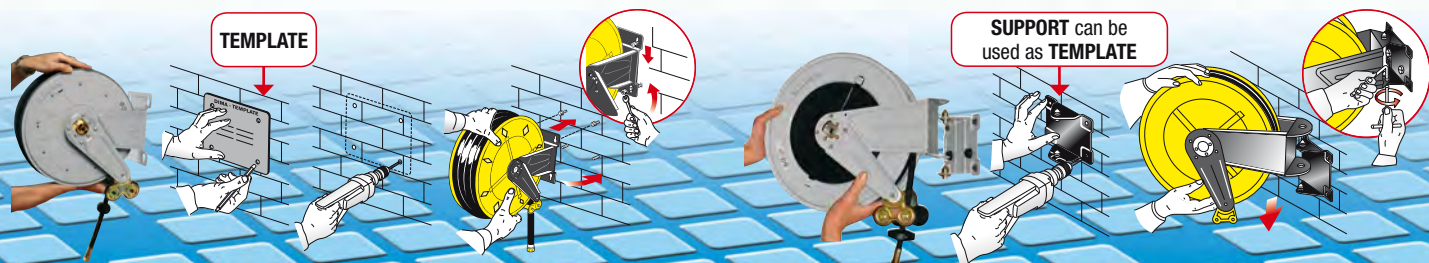
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables **55° rotation** to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





WATER MAX 130°C - 200 bar

STAINLESS STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X



FIXED

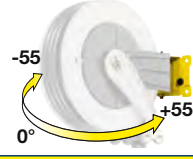


Article

8332.300
8332.301
8333.301

S. 330
hygieninc hose

SWIVELLING



Article

-
-
-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "viton" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F3/8"G	F 3/8"G
12m - 5/16" (994.512)	F3/8"G	F3/8"G
12m - 5/16" (994.612)	F3/8"G	F3/8"G

8392.300
8392.302
8393.301

S. 390
hygieninc hose

8382.300
8382.302
8383.301

without hose	F3/8"G	F 3/8"G
17m - 5/16" (994.517)	F3/8"G	F3/8"G
12m - 5/16" (994.612)	F3/8"G	F3/8"G

8434.300
8432.301
8432.302
8433.302

S. 430
hygieninc hose

8424.300
8422.301
8422.302
8423.302

without hose	F3/8"G	F1/2"G
12m - 3/8" (995.512)	F3/8"G	F3/8"G
18m - 3/8" (995.518)	F3/8"G	F3/8"G
18m - 3/8" (995.618)	F3/8"G	F3/8"G

for ABS hose reels Series 430 see page 153

8534.300
8532.301
8532.302
8533.302

S. 530
hygieninc hose

8524.300
8522.301
8522.302
8523.302

without hose	F3/8"G	F1/2"G
20m - 3/8" (995.520)	F3/8"G	F3/8"G
25m - 3/8" (995.525)	F3/8"G	F3/8"G
25m - 3/8" (995.625)	F3/8"G	F3/8"G

8544.300
8542.301
8543.301

S. 540
hygieninc hose

8554.300
8552.301
8553.301

without hose	F3/8"G	F1/2"G
30m - 3/8" (995.530)	F3/8"G	F3/8"G
30m - 3/8" (995.630)	F3/8"G	F3/8"G

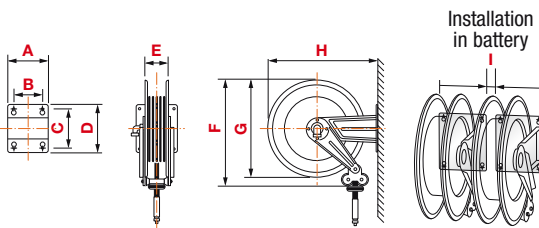
8564.300
8562.301
8562.302

S. 560

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-
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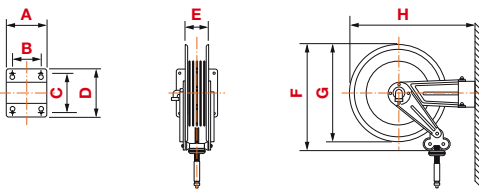
without hose	F3/8"G	F1/2"G
40m - 3/8" (995.540)	F3/8"G	F3/8"G
50m - 3/8" (995.550)	F3/8"G	F3/8"G

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40
S. 560	488	399	238	272	368	550	510	578	0	0,310	from 30 to 80

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 380	184	146	106	144	110	400	390	484	0,098	from 12 to 19
S. 420	208	162	118	164	115	460	420	541	0,098	from 15 to 25
S. 520	228	182	154	200	115	560	510	642	0,120	from 20 to 43
S. 550	300	218	226	268	190	560	510	702	0,175	from 25 to 41

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.



WATER MAX 130°C - 400 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

8330.350

SWIVELLING



Article

-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "teflon" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F3/8"G	F3/8"G

S. 330

S. 390

S. 430

S. 530

S. 540

S. 560

8390.350

8390.352

8430.350

8430.352

8530.350

8530.352

8540.350

8560.350

8380.350

8380.352

8420.350

8420.352

8520.350

8520.352

8550.350

-

without hose

17m - 5/16" (994.717)

without hose

18m - 3/8" (995.818)

without hose

25m - 3/8" (995.825)

without hose

without hose

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F1/2"G

F3/8"G

F1/2"G

F3/8"G

F1/2"G

F1/2"G

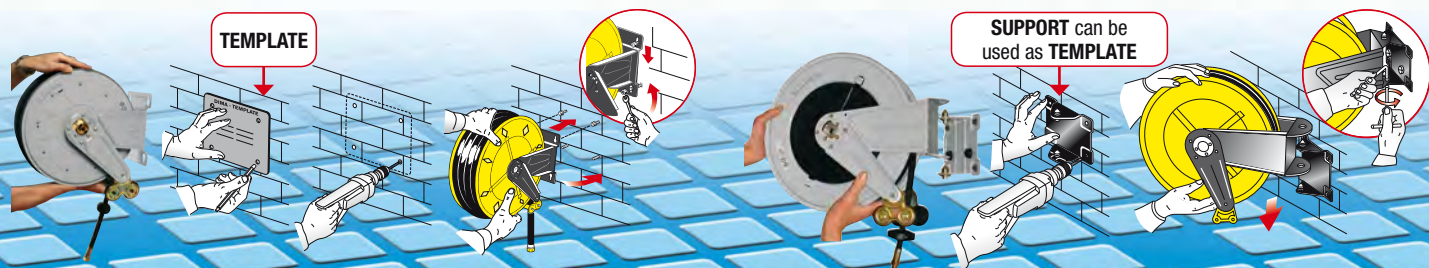
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables **55° rotation** to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





WATER MAX 130°C - 400 bar

STAINLESS STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

8332.350

SWIVELLING



Article

-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "teflon" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F3/8"G	F3/8"G



S. 330

S. 390

S. 430

hygieninc hose

S. 530

hygieninc hose

S. 540

S. 560

8392.350

8392.352

8434.350

8432.352

8433.352

8534.350

8532.352

8533.352

8544.350

8564.350

8382.350

8382.352

8424.350

8422.352

8423.352

8524.350

8522.352

8523.352

8554.350

-

without hose

17m - 5/16" (994.717)

without hose

18m - 3/8" (995.818)

18m - 3/8" (995.918)

without hose

25m - 3/8" (995.825)

25m - 3/8" (995.925)

without hose

without hose

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F3/8"G

F1/2"G

F3/8"G

F3/8"G

F1/2"G

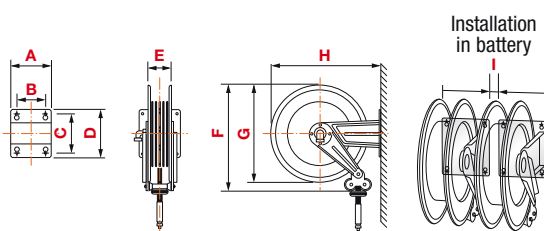
F3/8"G

F3/8"G

F1/2"G

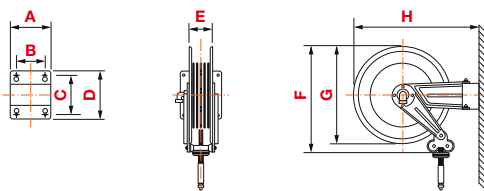
F1/2"G

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40
S. 560	488	399	238	272	368	550	510	578	0	0,310	from 30 to 80

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 380	184	146	106	144	110	400	390	484	0,098	from 12 to 19
S. 420	208	162	118	164	115	460	420	541	0,098	from 15 to 25
S. 520	228	182	154	200	115	560	510	642	0,120	from 20 to 43
S. 550	300	218	226	268	190	560	510	702	0,175	from 25 to 41

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.



WATER MAX 130°C - 100-200-400 bar

AISI 304 STAINLESS STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

Supplied with:

- AISI 304 stainless steel couplings
- AISI 304 stainless steel swivel joint
- "viton" seals (100-200 bar)
- "teflon" seals (400 bar)

FIXED



Article

SWIVELLING



Article

Connection

inlet outlet

S. 430



Water 130° C **100** bar

8434.200

8424.200

F1/2"G

F1/2"G

Water 130° C **200** bar

8434.300

8424.300

F3/8"G

F1/2"G

Water 130° C **400** bar

8434.350

8424.350

F3/8"G

F1/2"G

S. 530



Water 130° C **100** bar

8534.200

8524.200

F1/2"G

F1/2"G

Water 130° C **200** bar

8534.300

8524.300

F3/8"G

F1/2"G

Water 130° C **400** bar

8534.350

8524.350

F3/8"G

F1/2"G

S. 540



Water 130° C **100** bar

8544.200

8554.200

F1"G

F1"G

8544.205

8554.205

F1/2"G

F1/2"G

Water 130° C **200** bar

8544.300

8554.300

F3/8"G

F1/2"G

Water 130° C **400** bar

8544.350

8554.350

F3/8"G

F1/2"G

S. 560



Water 130° C **100** bar

8564.200

-

F1"G

F1"G

8564.206

-

F1/2"G

F1/2"G

Water 130° C **200** bar

8564.300

-

F3/8"G

F1/2"G

Water 130° C **400** bar

8564.350

-

F3/8"G

F1/2"G

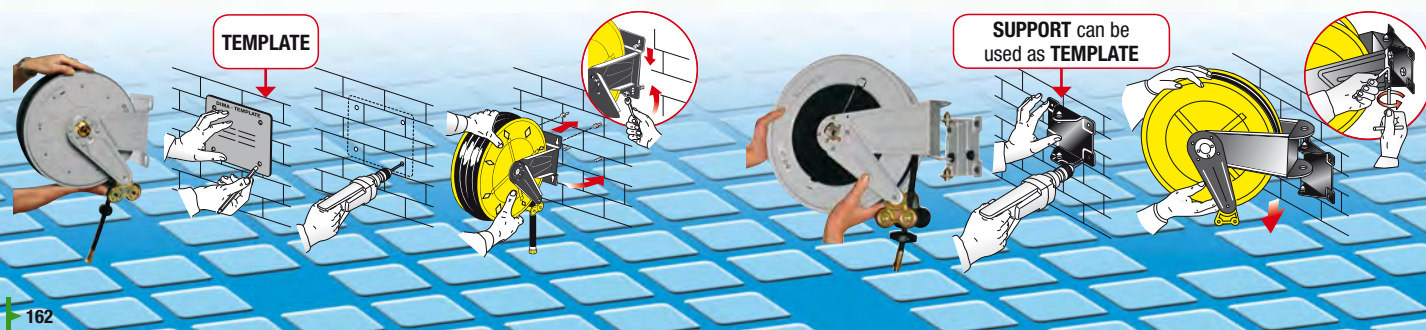
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables **55° rotation** to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





WATER MAX 130°C - 100 bar

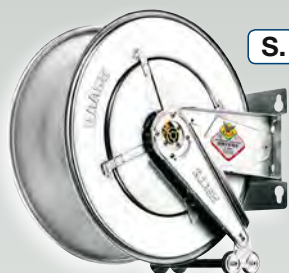
AISI 316 STAINLESS STEEL

Supplied with:

- AISI 316 stainless steel couplings
- AISI 316 stainless steel swivel joint
- "viton" seals



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X



S. 540

Water 130° c 100 bar

FIXED



Article

8545.200

Connection

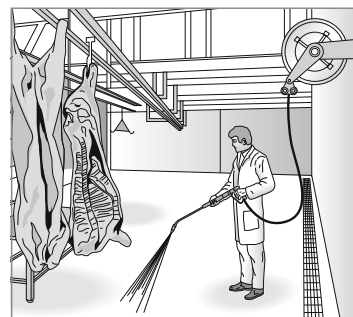
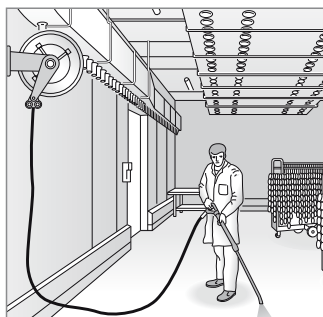
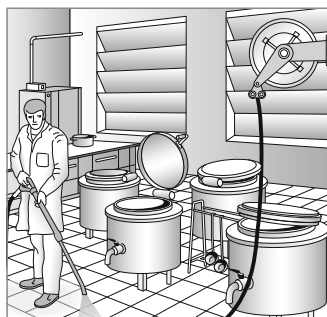
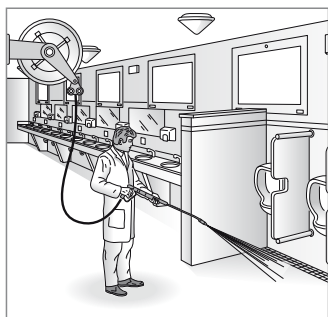
inlet

outlet

F1"G

F1"G

EXAMPLE OF USE



Hose reel capacity

To establish the **capacity of a hose reel** (max length of hose to be wound) it is necessary to know the following data:

- hose reel spring rewinding capacity
- external diameter of hose to be used

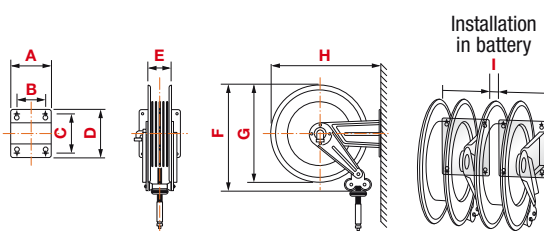
	ø 17 mm	max. 21 m	Series 430
	ø 19,5 mm	max. 16 m	
	ø 22 mm	max. 14 m	

	ø 18,5 mm	max. 28 m	Series 530
	ø 20 mm	max. 26 m	
	ø 22 mm	max. 24 m	

	ø 22 mm	max. 30 m	Series 540 outlet 1/2"
	ø 28 mm	max. 22 m	Series 540 outlet 1"
	ø 34 mm	max. 17 m	

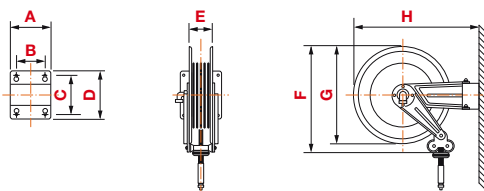
	ø 22 mm	max. 60 m	Series 560 outlet 1/2"
	ø 30 mm	max. 40 m	Series 560 outlet 1"
	ø 35 mm	max. 30 m	

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg
S. 430	186	140	196	226	115	460	420	460	20	0,098	16
S. 530	203	153	220	258	115	550	510	560	20	0,120	21
S. 540	300	218	228	268	190	550	510	573	0	0,175	28,5
S. 560	488	399	238	272	368	550	510	578	0	0,310	48

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 420	208	162	118	164	115	460	420	541	0,098	16,5
S. 520	228	182	154	200	115	560	510	642	0,120	21,5
S. 550	300	218	226	268	190	560	510	702	0,175	34



OIL AND SIMILAR PRODUCTS - 150 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

8330.400
8330.402

S. 330

SWIVELLING



Article

-
-

Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- carbon steel swivel joint
- "polyurethane" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F1/2"G	F 3/8"-1/2"G
12m - 3/8" (995.312)	F1/2"G	M1/2"G

	8390.400	8380.400	without hose	F1/2"G	F 3/8"-1/2"G
S. 390	8390.401	8380.401	12m - 3/8" (995.312)	F1/2"G	M1/2"G
	8390.402	8380.402	17m - 3/8" (995.317)	F1/2"G	M1/2"G

	8430.400	8420.400	without hose	F1/2"G	F1/2"G
S. 430	8430.401	8420.401	10m - 1/2" (996.310)	F1/2"G	M1/2"G
	8430.402	8420.402	15m - 1/2" (996.315)	F1/2"G	M1/2"G

for ABS hose reels Series 430 see page 152

	8530.400	8520.400	without hose	F1/2"G	F1/2"G
S. 530	8530.401	8520.401	20m - 1/2" (996.320)	F1/2"G	M1/2"G
	8530.402	8520.402	25m - 1/2" (996.325)	F1/2"G	M1/2"G

	8540.400	8550.400	without hose	F1"G	F1"G
S. 540	8540.401	8550.401	15m - 3/4" (997.515)	F1"G	M3/4"G
	8540.402	8550.402	20m - 3/4" (997.520)	F1"G	M3/4"G
	8540.403	8550.403	15m - 1" (998.515)	F1"G	M1"G
	8540.405	8550.405	without hose	F1/2"G	F1/2"G
	8540.406	8550.406	30m - 1/2" (996.330)	F1/2"G	M1/2"G

S. 560	8560.400	-	without hose	F1"G	F1"G
	8560.405	-	30m - 1" (998.530)	F1"G	M1"G

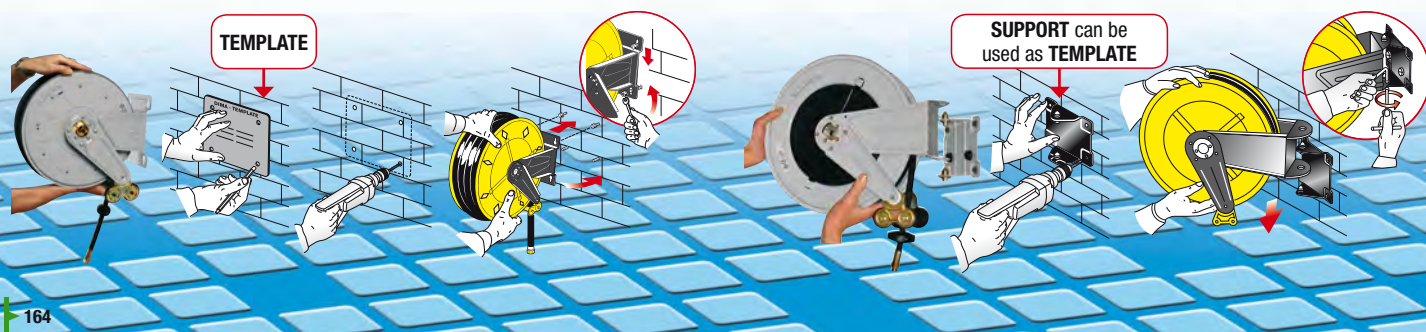
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables 55° rotation to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





OIL AND SIMILAR PRODUCTS - 150 bar

STAINLESS STEEL



In accordance with directive ATEX
94/9 IIB 2 GD c T4 T135 °C X



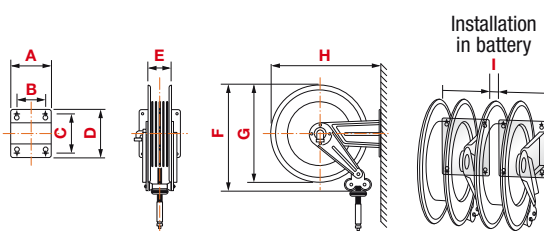
Supplied with:
- zinc plated steel couplings
- AISI 304 stainless steel swivel joint
- "viton" seals

Hose supplied	Connection	
	inlet	outlet



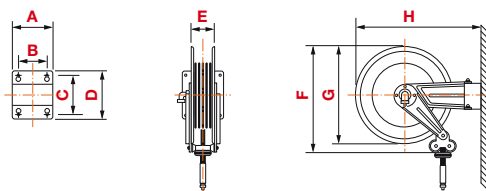
S. 390	8392.200	8382.200	without hose	F1/2"G	F 3/8"-1/2"G
S. 430	8434.200	8424.200	without hose	F1/2"G	F1/2"G
for ABS hose reels Series 430 see page 153					
S. 530	8534.200	8524.200	without hose	F1/2"G	F1/2"G
S. 540	8544.200	8554.200	without hose	F1"G	F1"G

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40
S. 560	488	399	238	272	368	550	510	578	0	0,310	from 30 to 80

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 380	184	146	106	144	110	400	390	484	0,098	from 12 to 19
S. 420	208	162	118	164	115	460	420	541	0,098	from 15 to 25
S. 520	228	182	154	200	115	560	510	642	0,120	from 20 to 43
S. 550	300	218	226	268	190	560	510	702	0,175	from 25 to 41

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.



GREASE - 600 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



SWIVELLING



Supplied with:

- hoses in black synthetic rubber
- zinc plated steel couplings
- carbon steel swivel joint
- "polyurethane" seals



S. 330

Article

8330.500
8330.501

Article

-
-

Hose supplied

without hose
12m - 1/4" (993.511)

Connection

inlet

outlet

F3/8"G F3/8"
F3/8"G M1/4"G

S. 390

8390.500
8390.501
8390.502

8380.500
8380.501
8380.502

without hose
12m - 1/4" (993.511)
16m - 1/4" (993.516)

F3/8"G F3/8"
F3/8"G M1/4"G
F3/8"G M1/4"G

S. 430

8430.500
8430.501
8430.502
8430.505
8430.506

8420.500
8420.501
8420.502
8420.505
8420.506

without hose
12m - 1/4" (993.512)
18m - 1/4" (993.518)
10m - 3/8" (995.710)
15m - 3/8" (995.715)

F3/8"G F1/2"G
F3/8"G M1/4"G
F3/8"G M1/4"G
F3/8"G M1/4"G
F3/8"G M1/4"G

for ABS hose reels Series 430 see page 152

S. 530

8530.500
8530.501
8530.502

8520.500
8520.501
8520.502

without hose
20m - 3/8" (995.720)
25m - 3/8" (995.725)

F3/8"G F1/2"G
F3/8"G M1/4"G
F3/8"G M1/4"G

S. 540

8540.500
8540.501

8550.500
8550.501

without hose
30m - 3/8" (995.730)

F3/8"G F1/2"G
F3/8"G M1/4"G

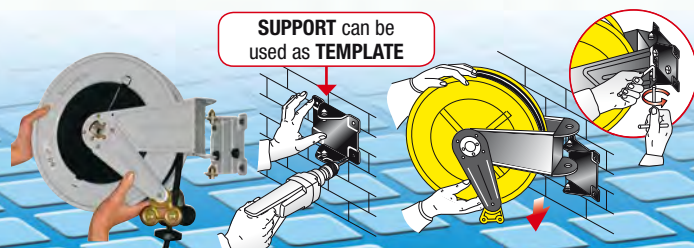
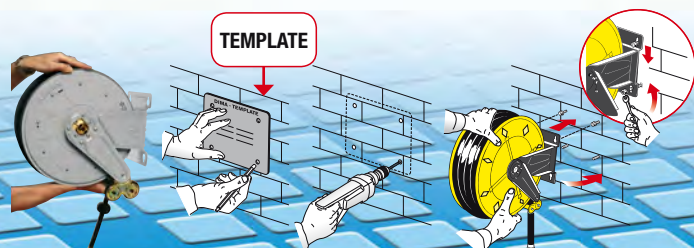
FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.

The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.

SWIVELLING HOSE REELS INSTALLATION

The **quick coupling swivelling support** facilitates hose reel installation and enables **55° rotation** to the right or left or locking in **fixed positioned at 0°** by means of clamping with two screws.





GREASE - 600 bar

STAINLESS STEEL



In accordance with directive ATEX
94/9 IIB 2 GD c T4 T135 °C X



Supplied with:

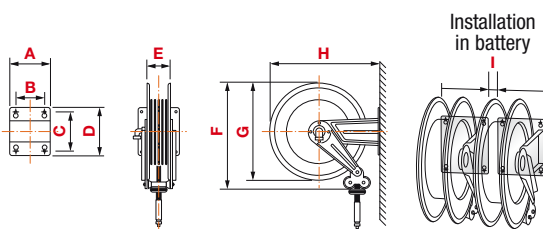
- zinc plated steel couplings
- carbon steel swivel joint
- "polyurethane" seals

Hose supplied	Connection	
	inlet	outlet



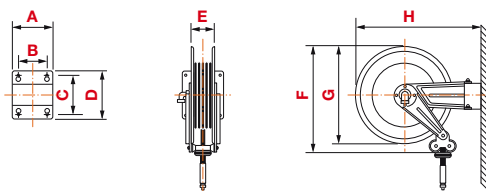
Article	Article	Hose supplied	Connection inlet	Connection outlet
S. 390	8392.500	8382.500	without hose	F3/8"G F 3/8"G
S. 430	8432.500	8422.500	without hose	F3/8"G F1/2"G
for ABS hose reels Series 430 see page 153				
S. 530	8532.500	8522.500	without hose	F3/8"G F1/2"G

FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40

SWIVELLING OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	1-m ³	Kg
S. 380	184	146	106	144	110	400	390	484	0,098	from 12 to 19
S. 420	208	162	118	164	115	460	420	541	0,098	from 15 to 25
S. 520	228	182	154	200	115	560	510	642	0,120	from 20 to 43

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.



DIESEL FUEL - 10 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Supplied with:

- hoses in antistatic black synthetic rubber
- zinc plated steel couplings
- brass swivel joint
- "viton" seals



S. 530

Article

8530.600

8530.603

8530.604

S. 540

8540.100

8540.601

8540.602

8540.603

S. 560

8560.100

8560.603

8560.604

8560.605

Hose supplied

Connection

inlet

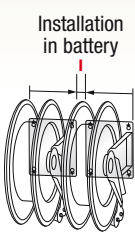
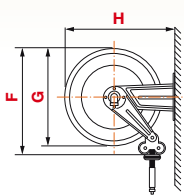
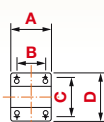
outlet

without hose	F1"G	F1"G
12m - 3/4" (997.812)	F1"G	M3/4"G
8m - 1" (998.808)	F1"G	M1"G

without hose	F1"G	F1"G
15m - 3/4" (997.815)	F1"G	M3/4"G
20m - 3/4" (997.820)	F1"G	M3/4"G
15m - 1" (998.815)	F1"G	M1"G

without hose	F1"G	F1"G
40m - 3/4" (997.840)	F1"G	M3/4"G
20m - 1" (998.820)	F1"G	M1"G
30m - 1" (998.830)	F1"G	M1"G

FIXED OVERALL DIMENSIONS

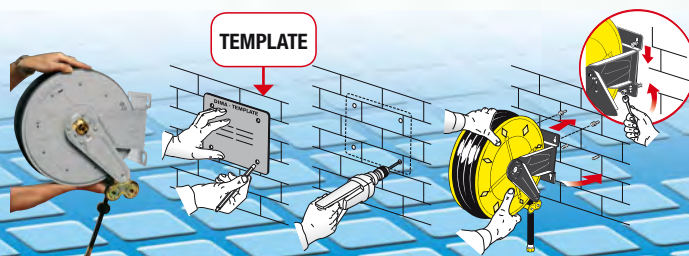


Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg *
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40
S. 560	488	399	238	272	368	550	510	578	0	0,310	from 30 to 80

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.



TEMPLATE



DIESEL FUEL - 10 bar

STAINLESS STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

Supplied with:

- hoses in antistatic black synthetic rubber
- zinc plated steel couplings
- brass swivel joint
- "viton" seals



Hose supplied

Connection

inlet

outlet

8542.100

without hose

F1"G

F1"G

S. 540

8542.601

15m - 3/4" (997.815)

F1"G

M3/4"G

8542.602

20m - 3/4" (997.820)

F1"G

M3/4"G

8542.603

15m - 1" (998.815)

F1"G

M1"G

8562.100

without hose

F1"G

F1"G

S. 560

8562.603

40m - 3/4" (997.840)

F1"G

M3/4"G

8562.604

20m - 1" (998.820)

F1"G

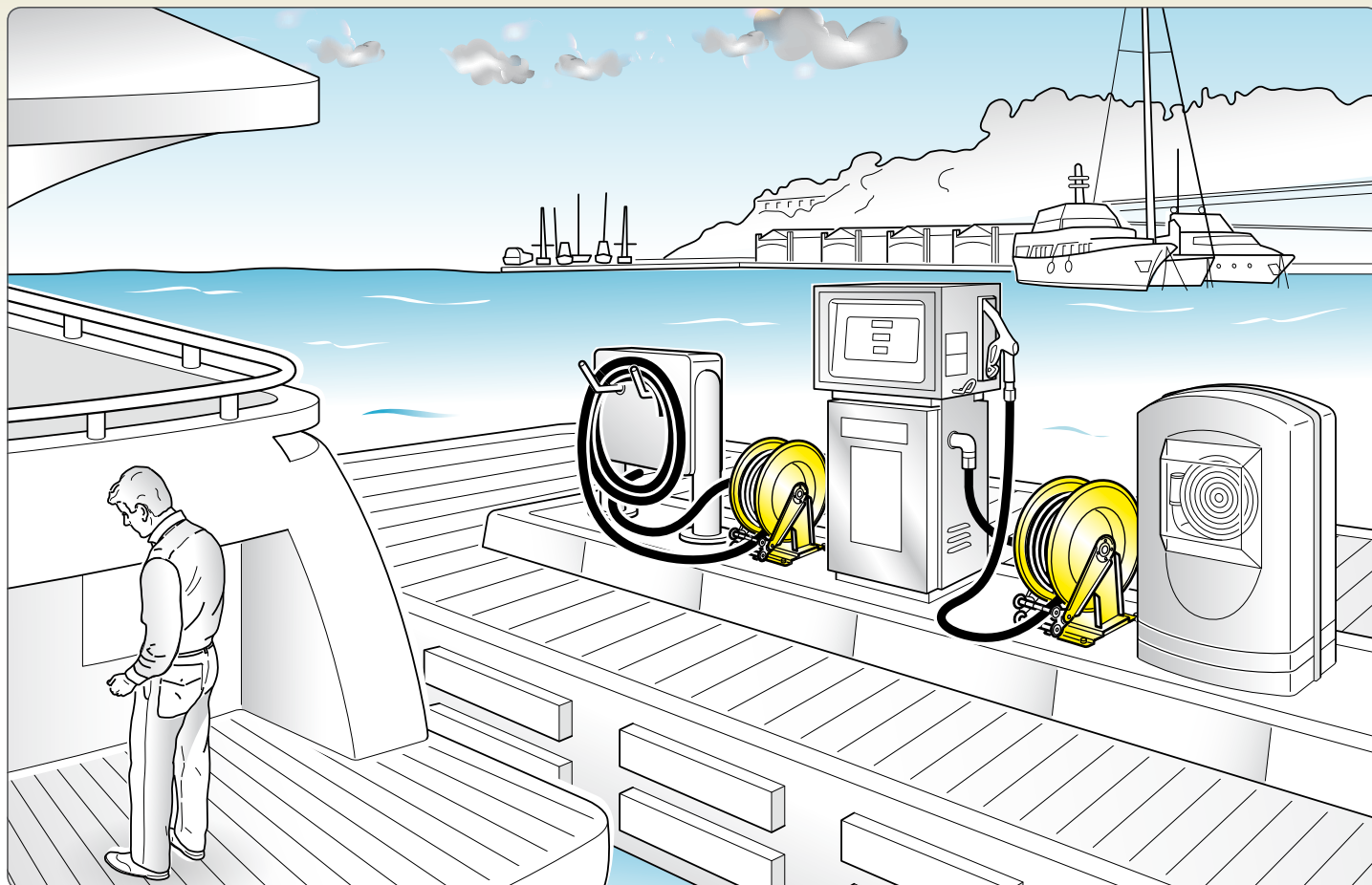
M1"G

8562.605

30m - 1" (998.830)

F1"G

M1"G





ADBLUE - 10 bar

PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X



S. 436

FIXED



Article

8436.200

8436.204

8436.205

Supplied with:

- hoses in antistatic EPDM rubber
- AISI 316L stainless steel couplings
- AISI 316L stainless steel swivel joint
- "viton" seals



Hose supplied	Connection	
	inlet	outlet
without hose	F1"G	F3/4"G
10m - 19x27 (967.210)	F3/4"G	M3/4"G
15m - 19x27 (967.215)	F3/4"G	M3/4"G

ADBLUE - 10 bar

INOX

FIXED



Article

8537.200

8537.204

8537.205

S. 537

Supplied with:

- hoses in antistatic EPDM rubber
- AISI 316L stainless steel couplings
- AISI 316L stainless steel swivel joint
- "viton" seals

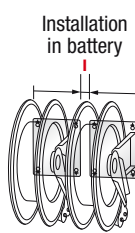
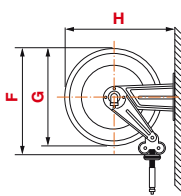
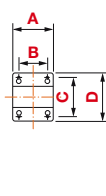


Hose supplied	Connection	
	inlet	outlet
without hose	F1"G	F3/4"G
10m - 19x27 (967.210)	F3/4"G	M3/4"G
15m - 19x27 (967.215)	F3/4"G	M3/4"G



Hose reels for AdBlue, the fluid used in SCR systems which are present in Euro4 and Euro5 trucks, have been purposely designed by using **stainless steel AISI 316L** for those parts which get in contact with the fluid, avoiding in this way any contamination of the same fluid.

FIXED OVERALL DIMENSIONS

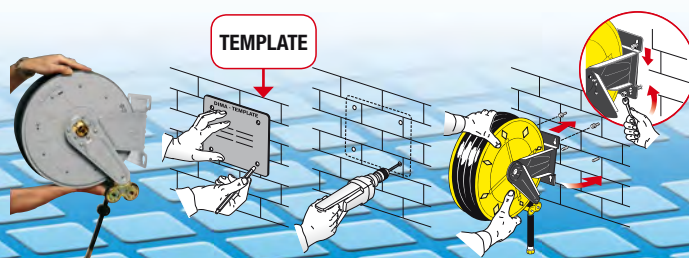


Art.	A	B	C	D	E	F	G	H	I	1-m³	Kg
S. 436	337	302	160	203	168	450	420	460	20	0,122	from 19 to 42
S. 537	203	153	220	258	115	550	510	560	0	0,120	from 19 to 42

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel. The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.



TEMPLATE



SERIES WITH DOUBLE INLET AND OUTLET PAINTED STEEL



In accordance with directive Atex
94/9 IIB 2 GD c T4 T135 °C X

FIXED



Article

S. 430



Air - Water **20** bar

8430.1000

Oil - Water **200** bar

8430.3000

Oil - Paint **200** bar

8430.4000

Oil **400** bar

8430.5000

Connection		Equipped with	
inlet	outlet	2 swivels	seals
F1/2"G	M3/8"G	brass	viton
F3/8"G	M3/8"G	AISI 304 stainless steel	viton
F1/2"G	M3/8"G	steel	polyurethane
F3/8"G	M3/8"G	steel	polyurethane

S. 530



Air - Water **20** bar

8530.1000

Oil - Water **200** bar

8530.3000

Oil - Paint **200** bar

8530.4000

Oil **400** bar

8530.5000

F1/2"G	M3/8"G	brass	viton
F3/8"G	M3/8"G	AISI 304 stainless steel	viton
F1/2"G	M3/8"G	steel	polyurethane
F3/8"G	M3/8"G	steel	polyurethane

S. 540



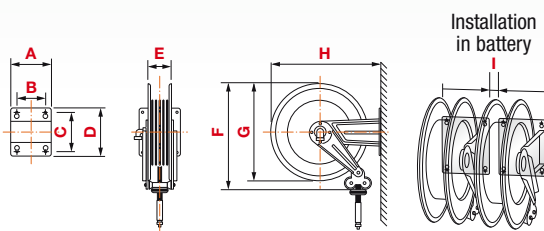
Oil **400** bar

8540.5000

F3/8"G	M3/8"G	steel	polyurethane
--------	--------	-------	--------------

Hose reels for dual hoses can be used for the applications where it is requested **the distribution of two fluids simultaneously** (e.g. air and paint in painting systems) or the recycle of the same fluid (e.g. for hydraulic tools).

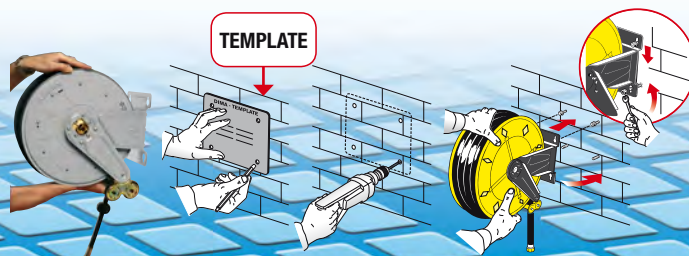
FIXED OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg
S. 430	186	140	196	226	115	460	420	460	20	0,098	17,5
S. 530	203	153	220	258	115	550	510	560	20	0,120	24,5
S. 540	300	218	228	268	190	550	510	573	0	0,175	30

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.





WELDING - 20 bar

PAINTED STEEL



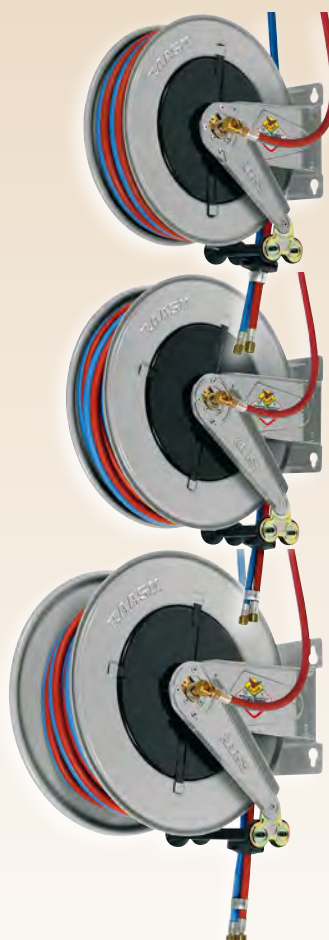
In accordance with directive Atex
94/9 II 3 GD c (T5) 100 °C X

FIXED



Supplied with:

- double hose Standard EN559, hoses SBR/EPDM rubber
- brass fitting
- brass swivel joint
- "viton" seals



S. 430

S. 530

S. 540

Article
8430.700
8430.701
8430.702

Hose supplied	Connection	
	inlet	outlet
without hose	M3/8"G	M3/8"G
13m - 2x1/4" - 2x6 (973.913)	F3/8"G	F3/8"G
12m - 2x5/16" - 2x8 (974.912)	F3/8"G	F3/8"G

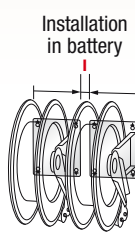
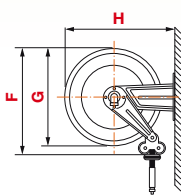
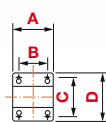
8530.700
8530.701
8530.702
8530.703
8530.704
8530.705

without hose	M3/8"G	M3/8"G
17m - 2x1/4" - 2x6 (973.917)	F3/8"G	F3/8"G
20m - 2x1/4" - 2x6 (973.920)	F3/8"G	F3/8"G
15m - 2x5/16" - 2x8 (974.915)	F3/8"G	F3/8"G
20m - 2x5/16" - 2x8 (974.920)	F3/8"G	F3/8"G
15m - 2x3/8" - 2x9 (975.915)	F3/8"G	F3/8"G

8540.700
8540.701
8540.702
8540.704
8540.705
8540.707
8540.709

without hose	M3/8"G	M3/8"G
25m - 2x1/4" - 2x6 (973.925)	F3/8"G	F3/8"G
30m - 2x1/4" - 2x6 (973.930)	F3/8"G	F3/8"G
25m - 2x5/16" - 2x8 (974.925)	F3/8"G	F3/8"G
30m - 2x5/16" - 2x8 (974.930)	F3/8"G	F3/8"G
20m - 2x3/8" - 2x9 (975.920)	F3/8"G	F3/8"G
27m - 2x3/8" - 2x9 (975.927)	F3/8"G	F3/8"G

FIXED OVERALL DIMENSIONS

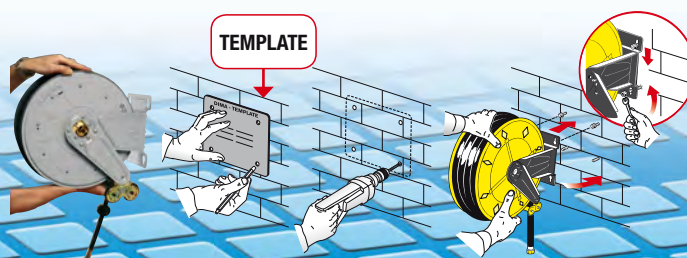


Art.	A	B	C	D	E	F	G	H	I	1-m³	Kg *
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.



TEMPLATE



LPG / METHANE - 20 bar

PAINTED STEEL



In accordance with directive Atex
94/9 II 3 GD c (T5) 100 °C X

FIXED



Supplied with:

- orange hose Standard EN559
- brass fitting
- brass swivel joint
- "viton" seals



S. 330

Article

8330.800

8330.801

8330.802

S. 390

8390.800

8390.801

8390.802

S. 430

8430.800

8430.802

8430.804

S. 530

8530.800

8530.802

8530.804

S. 540

8540.800

8540.802

Hose supplied

without hose

8m - 8x15 (974.1008)

10m - 10x17 (975.1010)

without hose

15m - 8x15 (974.1015)

15m - 10x17 (975.1015)

without hose

20m - 8x15 (974.1020)

18m - 10x17 (975.1018)

without hose

28m - 8x15 (974.1028)

27m - 10x17 (975.1027)

without hose

30m - 10x17 (975.1030)

Connection

inlet

M3/8"G Sx

F3/8"G Sx

F3/8"G Sx

outlet

M3/8"G Sx

F3/8"G Sx

F3/8"G Sx

M3/8"G Sx

F3/8"G Sx

F3/8"G Sx

M3/8"G Sx

F3/8"G Sx

F3/8"G Sx

M3/8"G Sx

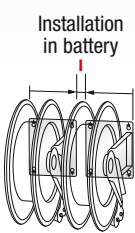
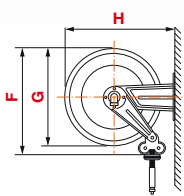
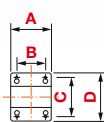
F3/8"G Sx

F3/8"G Sx

M3/8"G Sx

F3/8"G Sx

FIXED OVERALL DIMENSIONS

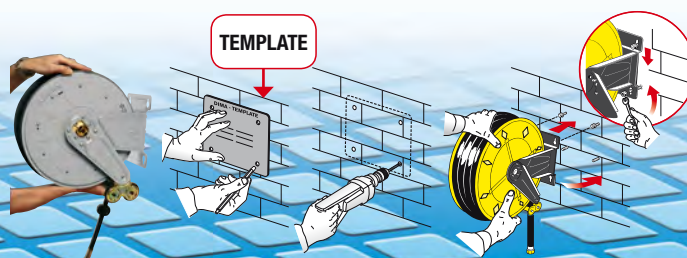


Art.	A	B	C	D	E	F	G	H	I	1-m³	Kg *
S. 330	186	140	196	226	110	355	350	365	20	0,045	from 8 to 13
S. 390	186	140	196	226	110	400	390	410	20	0,068	from 11 to 18
S. 430	186	140	196	226	115	460	420	460	20	0,098	from 14 to 24
S. 530	203	153	220	258	115	550	510	560	20	0,120	from 19 to 42
S. 540	300	218	228	268	190	550	510	573	0	0,175	from 24 to 40

* The list shows min and max weight for each series: min weight refers to version without hose, max weight refers to heaviest version which depends on hose length and diameter.

FIXED HOSE REELS INSTALLATION

The quick coupling support is equipped with 4 slot holes that allow an easy and safe installation of the hose reel.
The **template** supplied facilitates drilling of the holes and there fore hose reel fixing.



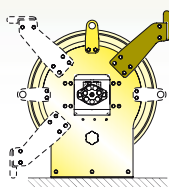


HYDRAULIC MOTOR-OPERATED SERIES

S. 617 HYDRAULIC

S. 637 HYDRAULIC

The **adjustable arms** can be easily repositioned according to needs.



HYDRAULIC	Connection	
Article	inlet	outlet

HYDRAULIC	Connection	
Article	inlet	outlet

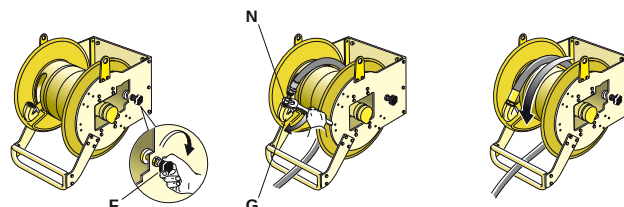
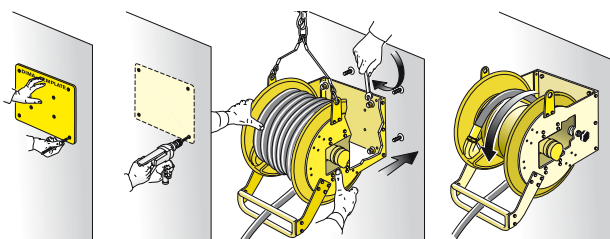
Air - Water 20 bar - brass swivel joint - "viton" seals	8617.100	F1"G	F1"G	8637.100	F1"G	F1"G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - "viton" seals	8617.200	F1"G	F1"G	8637.200	F1"G	F1"G
Oil and similar products 150 bar - carbon steel swivel joint - "polyurethane" seals	8617.400	F1"G	F1"G	8637.400	F1"G	F1"G
Grease 400 bar - carbon steel swivel joint - "polyurethane" seals	8617.500	F1"G	F1"G	8637.500	F1"G	F1"G
Diesel fuel 10 bar - carbon steel swivel joint - "viton" seals	8617.600	F1.1/2"G	F1.1/2"G	8637.600	F1.1/2"G	F1.1/2"G

WALL MOUNTING

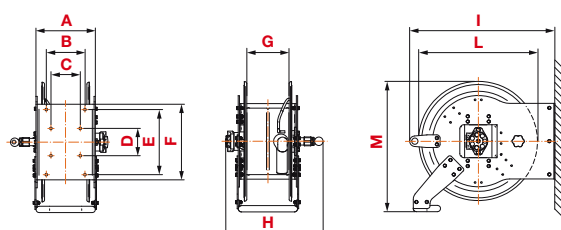
HOSE MOUNTING - 1" Connector

After choosing the ideal position, checking the consistency and thickness of the wall, marking the holes for the plugs (see template supplied with the hose reel) and making sure they do not interfere with hydraulic pipes or electrical wires, proceed with drilling. Fix the plugs in the wall and insert the hose reel in the special seats. Tighten the 4 fixing nuts.

Before carrying out the operation, make sure the hose reel drum is locked by means of the parking brake **F**.
Screw one Nipple **N** on the outlet elbow **G**.
Apply the hose on Nipple **N**.



HYDRAULIC OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	L	M	1-m ³	Kg
S. 617	283	185	140	130	310	360	220	463	692	570	621	0,310	from 55 to 86
S. 637	467	370	140	130	310	360	400	649	692	570	621	0,473	from 75 to 137

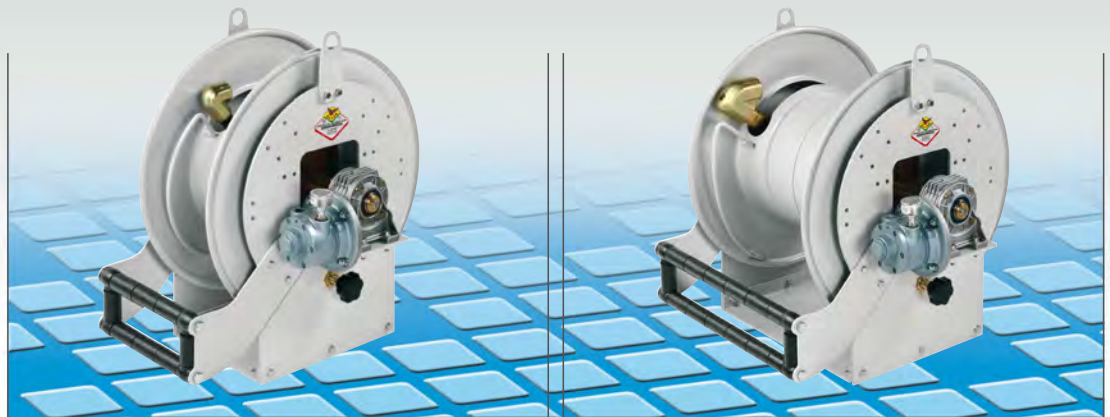
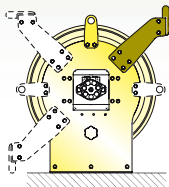


AIR MOTOR-OPERATED SERIES

S. 618 PNEUMATIC

S. 638 PNEUMATIC

The **adjustable arms** can be easily repositioned according to needs.

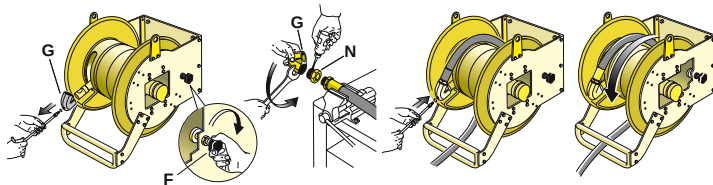


PNEUMATIC Article	Connection	
	inlet	outlet

Air - Water 20 bar - bras swivel joint - "viton" seals	8618.100	F1"G	F1"G	8638.100	F1"G	F1"G
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - "viton" seals	8618.200	F1"G	F1"G	8638.200	F1"G	F1"G
Oil and similar products 150 bar - carbon steel swivel joint - "polyurethane" seals	8618.400	F1"G	F1"G	8638.400	F1"G	F1"G
Grease 400 bar - carbon steel swivel joint - "polyurethane" seals	8618.500	F1"G	F1"G	8638.500	F1"G	F1"G
Diesel fuel 10 bar - brass swivel joint - "viton" seals	8618.100	F1"G	F1"G	8638.100	F1"G	F1"G

HOSE MOUNTING - 1.1/2" Connector

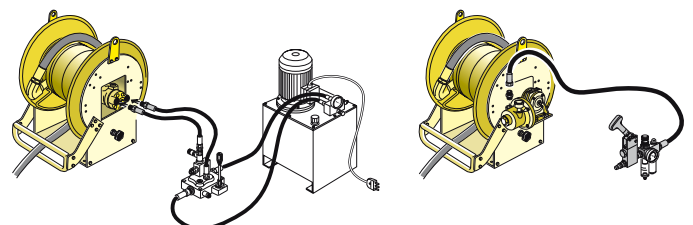
Before carrying out the operation, make sure the hose reel drum is locked by means of the brake **F**. Remove the outlet elbow **G**. Screw one Nipple **N** on the outlet elbow **G**. Screw the hose on nipple **N**. Hose with connections 1.1/2" must be connect directly to the elbow **G**. Refit the outlet elbow **G** with the assembled parts.



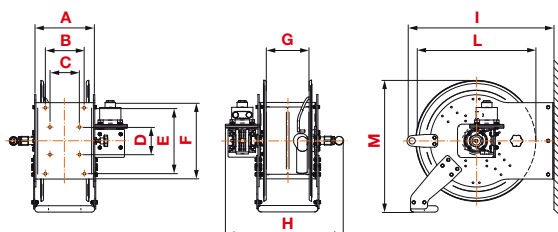
POWER SUPPLY

The **hydraulic motor-operated hose reels** are fed, by means of a control, by an electric control unit (control and control unit not supplied).

The **air motor-operated hose reels** are fed, by means of a control, with direct connection to the compressed air system (control not supplied).



PNEUMATIC OVERALL DIMENSIONS



HYDRAULIC MOTOR-OPERATED
Oil pressure max 170 bar at
5 l/min inlet feeding

AIR MOTOR-OPERATED HOSE REELS
Air pressure max 7 bar at
2000 l/min inlet feeding

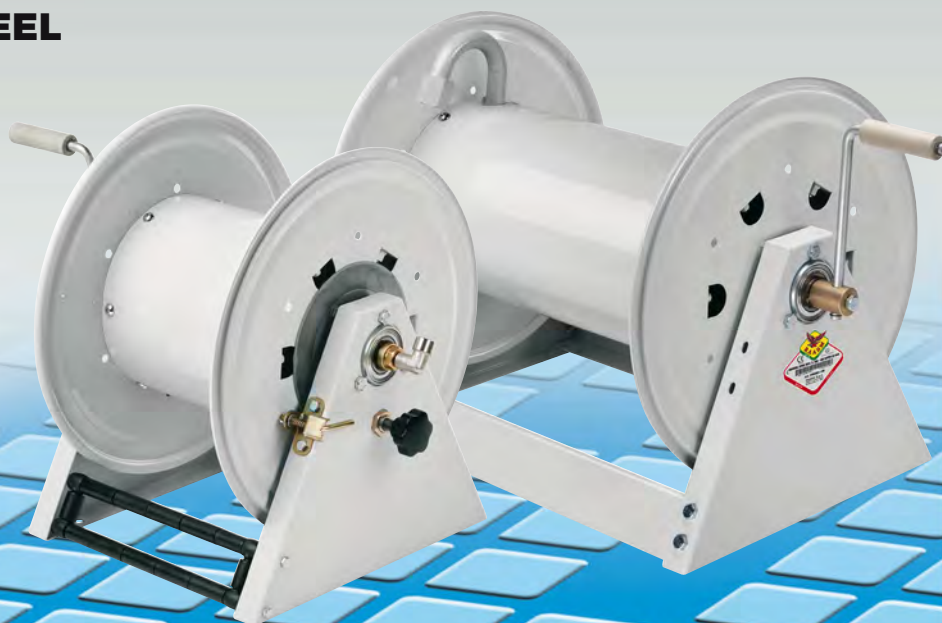
Art.	A	B	C	D	E	F	G	H	I	L	M	1-m ³	Kg
S. 618	283	185	140	130	310	360	220	555	692	570	621	0,310	from 51 to 82
S. 638	467	370	140	130	310	360	400	740	692	570	621	0,473	from 71 to 133



SERIES 500 MANUAL

PAINTED STEEL

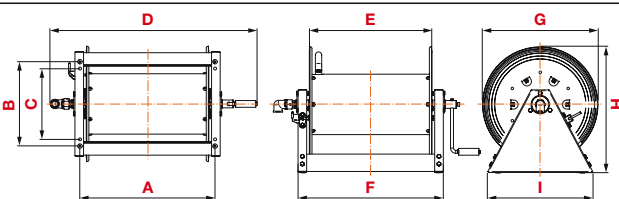
Manual rewinding hose reels are an easy and practical way to manage flexible hoses. Operation is extremely simple and needs very little maintenance. Made with high quality materials with a robust frame, manual rewinding hose reels are an inexpensive alternative to spring rewinding hose reels particularly for very long hoses.



	width 240 mm	width 320 mm	width 460 mm	width 600 mm	Connection	
					inlet	outlet
Air - Water 20 bar - brass swivel joint - "viton" seals	7522001.100	7532001.100	7552001.100	7562001.100	1"	1"1
	7522001.150	7532001.150	7552001.150	7562001.150	1/2"	1/2"
Water max 130° C 100 bar - AISI 304 stainless steel swivel joint - "viton" seals	7522001.200	7532001.200	7552001.200	7562001.200	1"	1"
	7522001.250	7532001.250	7552001.250	7562001.250	1/2"	1/2"
Water max 130° C 200 bar - AISI 304 stainless steel swivel joint - "viton" seals	7522001.300	7522001.300	7552001.300	7562001.300	3/8"	1/2"
Oil and similar products 150 bar - carbon steel swivel joint - "polyurethane" seals	7522001.400	7532001.400	7552001.400	7562001.400	1"	1"
	7522001.450	7532001.450	7552001.450	7562001.450	1/2"	1/2"
Oil and similar products 150 bar - carbon steel swivel joint - "polyurethane" seals	7522001.100	7532001.100	7552001.100	7562001.100	1"	1"

Hose reel capacity	L240	L320	L460	L600
 ø 3/8"	50 m	80 m	120 m	160 m
 ø 1/2"	40 m	70 m	105 m	140 m
 ø 3/4"	25 m	40 m	60 m	80 m
 ø 1"	20 m	30 m	45 m	60 m

OVERALL DIMENSIONS



Art.	A	B	C	D	E	F	G	H	I	1-m ³	Kg
L 240	297	373	313	631	242	342	510	555	468	0,208	25,2
L 320	377	373	313	711	322	422	510	555	468	0,243	26,8
L 460	517	373	313	851	462	562	510	555	468	0,304	29,3
L 600	657	373	313	991	602	702	510	555	468	0,365	31,9

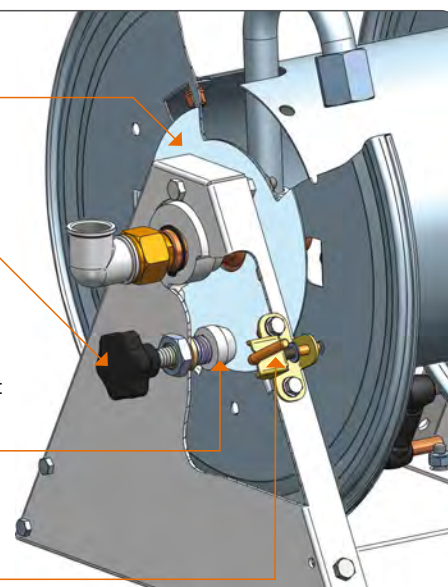
Technical features

Stainless steel plate

Clutch control

Clutch in POM material for correct hose winding and rewinding

Reel locking





GROUNDING REEL

Grounding reel satisfies the need to ground fuel tanks during transferring operation in order to discharge electric charges.



APPLICATIONS:

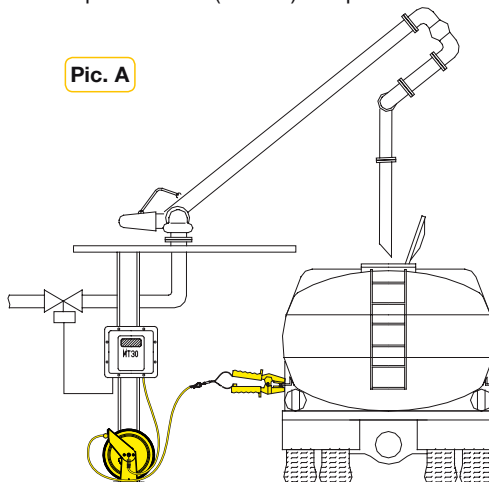
tanks and oil-refinery, aviation, tank truck, boating.



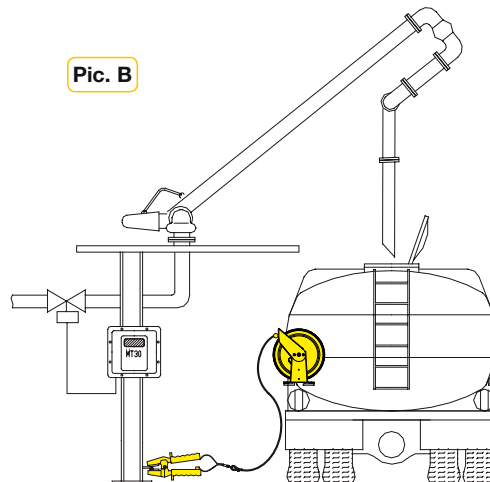
Operation:

Before begin fuel transfer operator must connect the grounding clamp, mounted at the end of the cable, to the grounding plate which is compulsory on every tank truck (Pic. A). As an alternative the grounding reel may be installed on the tank truck and the clamp connected to the grounding plate (Pic. B). Grounding reel must be installed in a safe zone (potentially not dangerous) since it is not provided with Atex Certification. Antiexplosive clamp, standard on some models below listed, may be installed in a potential explosive area (Zone 1) as specified in the CE declaration.

Pic. A

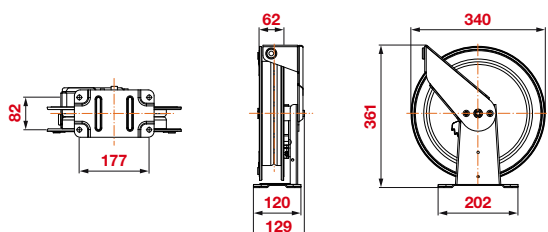


Pic. B



Article	Cable material	Insulation	Cable cross section	Cable length	Grounding clamp
735000	without cable	max cable capacity 30 m - cross section 16 mm ²			
735131.60141	copper	PUR	6 mm ²	14,5 m	antiexplosive 10A
735131.60261	copper	PUR	6 mm ²	26 m	antiexplosive 10A
735131.60152	copper	PUR	6 mm ²	15 m	standard 50A
735131.60252	copper	PUR	6 mm ²	25 m	standard 50A
735141.60152	steel	PVC	7x7 ø 5 mm	15 m	standard 50A
735141.60252	steel	PVC	7x7 ø 5 mm	25 m	standard 50A

OVERALL DIMENSIONS



N°1 packing m³ 0,045
 from kg 10,3 to 11,5

Art. 735111 Standard grounding clamp 100A



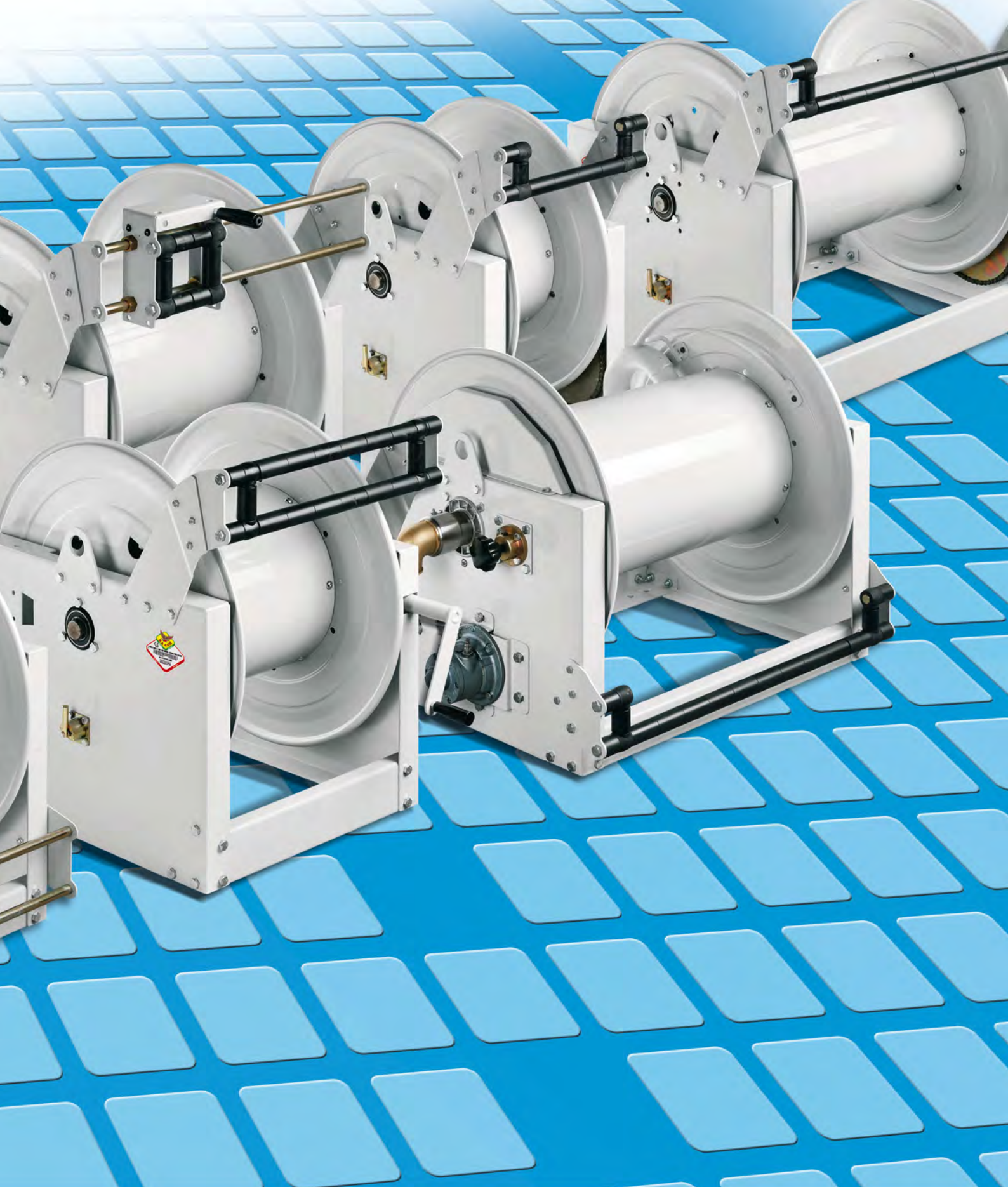


SERIES 700 MOTOR-OPERATED AND MANUAL

PAINTED STEEL



...for the complete range of
Industrial hose reels Series 700
please refer to specific brochure



Industrial hose reels series 700 have been designed for fluids delivering in all the heavy applications of industry, mining, building construction, shipyard etc.
They are available in 4 different sizes each of them may be equipped with the following motor: **electric (high or low voltage), pneumatic, hydraulic or manual.**
They can manage hoses with max 2" I D, max length 250 m (with 3/8" hose), suitable for max pressure of 70 bar.



wall bracket for fixed hose reels

quick fit wall brackets supplied on request



Art. 843001



Art. 843002

Art. 843001

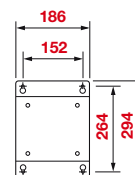
Fixed support in steel

for fixed hose reels in painted steel
series 290 - 330 - 390 - 430

Art. 843002

Fixed support in AISI 304 stainless steel

for fixed hose reels in stainless steel and Aisi 304
series 290 - 330 - 390 - 430

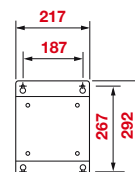


Art. 845001

Art. 845001

Fixed support in steel

for fixed enclosed hose reels in painted steel
series 450



Art. 853001



Art. 853002

Art. 853001

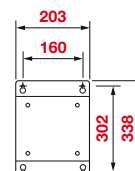
Fixed support in steel

for fixed hose reels in painted steel
series 530

Art. 853002

Fixed support in AISI 304 stainless steel

for fixed hose reels in stainless steel and Aisi 304
series 530



Art. 854001



Art. 854002

Art. 854001

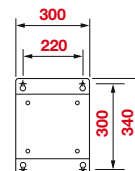
Fixed support in steel

for fixed hose reels in painted steel
series 540

Art. 854002

Fixed support in AISI 304 stainless steel

for fixed hose reels in stainless steel and Aisi 304
series 540



Art. 856001



Art. 856002

Art. 856001

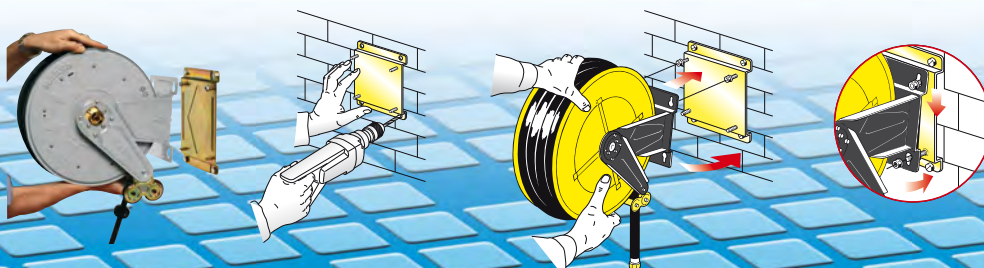
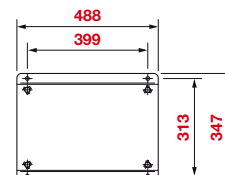
Fixed support in steel

for fixed hose reels in painted steel
series 560

Art. 856002

Fixed support in AISI 304 stainless steel

for fixed hose reels in stainless steel and Aisi 304
series 560



The **quick coupling support** that facilitates hooking of the single hose reel and optimises its installation in battery (i.e. with several hose reels side by side) is available by request



swivelling support for fixed hose reels

quick fit swivel brackets supplied on request



Art. 843005



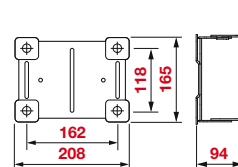
Art. 843006

Art. 843005

Swivelling support in steel
for fixed hose reels in painted steel
series 290 - 330 - 390 - 430

Art. 843006

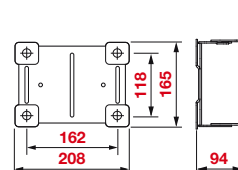
Swivelling support in AISI 304 stainless steel
for fixed hose reels in stainless steel and Aisi 304
series 290 - 330 - 390 - 430



Art. 845005

Art. 845005

Swivelling support in steel
for fixed enclosed hose reels in painted steel
series 450



Art. 853005



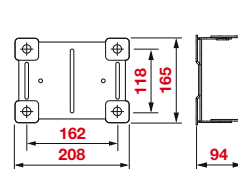
Art. 853006

Art. 853005

Swivelling support in steel
for fixed hose reels in painted steel
series 530

Art. 853006

Swivelling support in AISI 304 stainless steel
for fixed hose reels in stainless steel and Aisi 304
series 530



Art. 854005



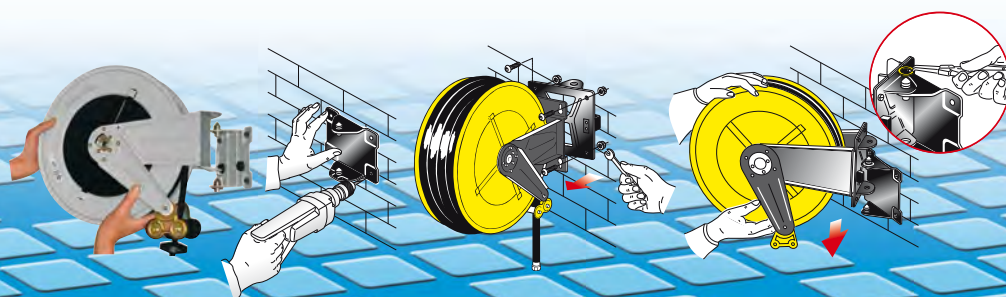
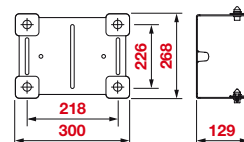
Art. 854006

Art. 854005

Swivelling support in steel
for fixed enclosed hose reels in painted steel
series 540

Art. 854006

Swivelling support in AISI 304 stainless steel
for fixed hose reels in stainless steel and Aisi 304
series 540



The **quick coupling swivelling support** facilitates hose reel installation and enables 40° rotation to the right or left or locking in fixed positioned at 0° by means of clamping with two screws is available by request



Hoses technical data

Hose reel outlet hose connections fittings

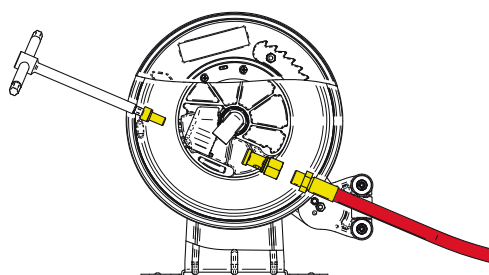


- Art. **66893** Nipple in carbon steel M 1/2"G x M 1/4"G cylindrical/cylindrical thread
 Art. **33114** Nipple in carbon steel M 1"G x M 1/2"G cylindrical/cylindrical thread
 Art. **33116** Nipple in carbon steel M 1"G x M 1"G cylindrical/cylindrical thread
 Art. **33117** Nipple in carbon steel M 3/4"G x M 3/4"G cylindrical/cylindrical thread
 Art. **33119** Nipple in carbon steel M 1"G x M 3/4"G cylindrical/cylindrical thread
 Art. **33270** Nipple in carbon steel M 1.1/2"G x M 3/4"G cylindrical/cylindrical thread
 Art. **33271** Nipple in carbon steel M 1.1/2"G x M 1"G cylindrical/cylindrical thread
 Art. **33272** Nipple in carbon steel M 1.1/2"G x M 1.1/4"G cylindrical/cylindrical thread
 Art. **33273** Nipple in carbon steel M 1.1/2"G x F 1.1/4"G cylindrical/cylindrical thread
 Art. **33274** Nipple in carbon steel M 1"G x F 1/2"G cylindrical/cylindrical thread
 Art. **38071** Nipple in carbon steel M 1/2"G x M 1/2"G tapered/cylindrical thread
 Art. **38072** Nipple in carbon steel M 1/2"G x M 3/8"G cylindrical/cylindrical thread

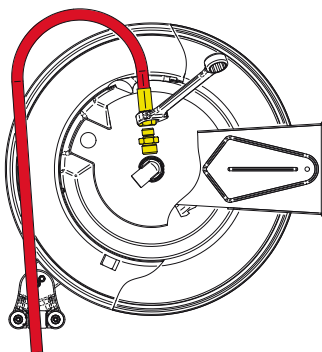


- Art. **33128** Nipple in AISI 304 stainless steel M 1"G x M 3/4"G cylindrical/cylindrical thread
 Art. **33129** Nipple in AISI 304 stainless steel M 1"G x M 1"G cylindrical/cylindrical thread
 Art. **33130** Nipple in AISI 304 stainless steel M 3/4"G x M 3/4"G cylindrical/cylindrical thread
 Art. **38120** Nipple in AISI 304 stainless steel M 1/2"G x M 3/8"G cylindrical/cylindrical thread
 Art. **38121** Nipple in AISI 304 stainless steel M 1/2"G x M 1/2"G tapered/cylindrical thread

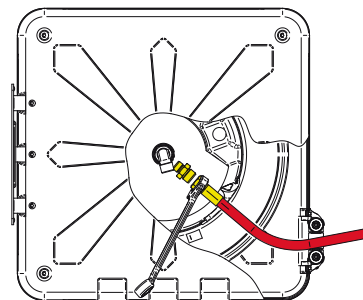
HOSE REEL OUTLET HOSE CONNECTION



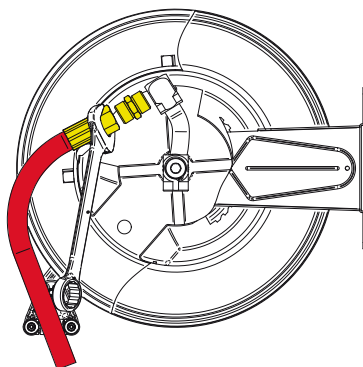
Series 290 - 330 - 380 - 390



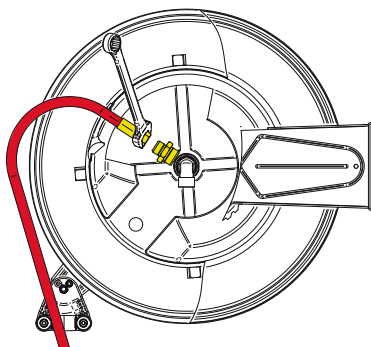
Series 420 - 430 - 520 - 530



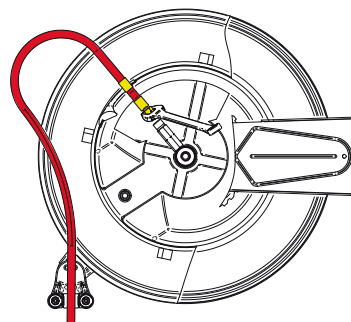
Series 440 - 450



Series 540-550-560
outlet 1"



Series 540-550-560
outlet 1/2"



Series Welding - Natural Gas

HOSES - TECHNICAL DATA

The range of hoses offered by RAASM for its hose reels is in line with company's quality standards and guarantees excellent performance in the applications with the pressures specified in the catalogue. For conditions different from those recommended, RAASM is available to appraise every aspect of the application context (compatibility of the materials used with the fluid, temperature of use, working pressure, etc.) together with the customer for identifying the right hose for each specific case.



The hoses to be assembled on the hose reels must be suitable for the **working pressures specified on the label**.

HOSE REEL - SYSTEMS EQUIPMENT CONNECTION HOSES TABLE

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet	Pressure	Unions
967.206	0,6m	rubber EPDM antistatic	3/4"	19 x 27	F 3/4"G	M 1"G	10 bar	s/steel AISI 316
971.102	1,5m	polyurethane	5/16"	8 x 12	M 1/4"G	SNODO	20 bar	brass
975.902	1,5m	SBR/EPDM	2 x 3/8"	9 + 9x16	F 3/8"G	F 3/8"G	20 bar	brass
975.1002	1,5m	NBR/PVC	3/8"	10 x 17	F 3/8"G-Sx	F 3/8"G-Sx	20 bar	brass
972.102	1,5m	polyurethane	10 x 14,5	10 x 14,5	M 3/8"G	F 3/8"G	20 bar	brass
976.102	1,5m	polyurethane	13 x 19	13 x 19	F 1/2"G	M 1/2"G	20 bar	brass
993.201	1m	black rubber	1/4"	6,4 x 13	F 1/4"G	M 1/4"G	20 bar	galvanised steel
993.202	2m	black rubber	1/4"	6,4 x 13	F 1/4"G	M 1/4"G	20 bar	galvanised steel
995.206	0,6m	black rubber	3/8"	9,5 x 16	F 3/8"G	M 3/8"G	20 bar	galvanised steel
996.406	0,6m	hygienic cover	1/2"	12,7 x 18,5	F 1/2"G	M 1/2"G	100 bar	galvanised steel
998.406	0,6m	hygienic cover	1"	24,5 x 31,5	F 1"G	M 1"G	100 bar	galvanised steel
996.306	0,6m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G	150 bar	galvanised steel
996.301	1m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G	150 bar	galvanised steel
996.302	2m	black rubber	1/2"	12,7 x 19	F 1/2"G	F 1/2"G	150 bar	galvanised steel
996.304	4m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G	150 bar	galvanised steel
997.505	5m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G	150 bar	galvanised steel
998.506	0,6m	black rubber	1"	25,4 x 31,5	F 1"G	M 1"G	150 bar	galvanised steel
998.501	1m	black rubber	1"	25,4 x 31,5	F 1"G	M 1"G	150 bar	galvanised steel
998.502	2m	black rubber	1"	25,4 x 31,5	F 1"G	M 1"G	150 bar	galvanised steel
995.506	0,6m	black rubber	3/8"	9,5 x 17	F 3/8"G	M 3/8"G	200 bar	galvanised steel
995.606	0,6m	hygienic cover	3/8"	9,5 x 17	F 3/8"G	M 3/8"G	200 bar	galvanised steel
995.806	0,6m	black rubber	3/8"	9,5 x 17,5	F 3/8"G	M 3/8"G	400 bar	galvanised steel
995.906	0,6m	hygienic cover	3/8"	9,5 x 17,5	F 3/8"G	M 3/8"G	400 bar	galvanised steel
993.504	4m	black rubber	1/4"	6,3 x 17,5	F 1/4"G	M 1/4"G	600 bar	galvanised steel
995.706	0,6m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 3/8"G	600 bar	galvanised steel
995.701	1m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 3/8"G	600 bar	galvanised steel
995.702	2m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 3/8"G	600 bar	galvanised steel



Hoses

technical data

**Air
Water**
20 bar

Fittings
Galvanised steel
for black rubber hoses

Brass
for polyurethane hoses

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
971.010	10m	polyurethane	1/4"	6 x 10	M 3/8"G	M 1/4"G
971.011	11m	polyurethane	1/4"	6 x 10	M 1/4"G	M 1/4"G
971.015	15m	polyurethane	1/4"	6 x 10	M 3/8"G	M 1/4"G
971.111	11m	polyurethane	5/16"	8 x 12	M 1/4"G	M 1/4"G
971.115	15m	polyurethane	5/16"	6 x 12	M 3/8"G	M 1/4"G
971.118	18m	polyurethane	5/16"	8 x 12	M 3/8"G	M 1/4"G
971.120	20m	polyurethane	5/16"	8 x 12	M 3/8"G	M 1/4"G
972.113	13m	polyurethane	3/8"	10 x 14,5	M 3/8"G	M 3/8"G
972.115	15m	polyurethane	3/8"	10 x 14,5	M 3/8"G	M 3/8"G
972.120	20m	polyurethane	3/8"	10 x 14,5	M 3/8"G	M 3/8"G
976.108	8m	polyurethane	1/2"	13 x 19	M 1/2"G	M 1/2"G
976.110	10m	polyurethane	1/2"	13 x 19	M 1/2"G	M 1/2"G
976.111	10m	polyurethane	1/2"	13 x 19	F 1/2"G	M 1/2"G
976.112	12m	polyurethane	1/2"	13 x 19	M 1/2"G	M 1/2"G
976.114	15m	polyurethane	1/2"	13 x 19	M 1/2"G	M 1/2"G
976.115	15m	polyurethane	1/2"	13 x 19	F 1/2"G	M 1/2"G
993.215	15m	black rubber	1/4"	6,5 x 12,6	M 3/8"G	M 1/4"G
995.210	10m	black rubber	3/8"	9,5 x 17	M 3/8"G	M 3/8"G
995.211	12m	black rubber	3/8"	9,5 x 16	M 3/8"G	M 3/8"G
995.212	12m	black rubber	3/8"	9,5 x 16	F 3/8"G	M 3/8"G
995.217	18m	black rubber	3/8"	9,5 x 16	M 3/8"G	M 3/8"G
995.218	18m	black rubber	3/8"	9,5 x 16	F 3/8"G	M 3/8"G
996.210	10m	black rubber	1/2"	12,7 x 20	F 1/2"G	M 1/2"G
996.215	15m	black rubber	1/2"	12,7 x 20	F 1/2"G	M 1/2"G
996.220	20m	black rubber	1/2"	12,7 x 20	F 1/2"G	M 1/2"G
996.225	25m	black rubber	1/2"	12,7 x 20	F 1/2"G	M 1/2"G
996.230	30m	black rubber	1/2"	12,7 x 20	F 1/2"G	M 1/2"G
997.215	15m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G
997.220	20m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G
997.230	30m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G
997.240	40m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G
998.215	15m	black rubber	1"	25,4 x 32,5	F 1"G	M 1"G
998.220	20m	black rubber	1"	25,4 x 32,5	F 1"G	M 1"G
998.230	30m	black rubber	1"	25,4 x 32,5	F 1"G	M 1"G

Water
max 130° C
100 bar

Fittings
Galvanised steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
995.313	12m	black rubber	3/8"	9,5 x15	M 3/8"G	M 3/8"G
995.318	17m	black rubber	3/8"	9,5 x15	M 3/8"G	M 3/8"G
995.412	12m	hygieninc cover	3/8"	9,5 x15	M 3/8"G	M 3/8"G
996.311	10m	black rubber	1/2"	12,7 x 18,5	F 1/2"G	M 1/2"G
996.316	15m	black rubber	1/2"	12,7 x 18,5	F 1/2"G	M 1/2"G
996.321	20m	black rubber	1/2"	12,7 x 18,5	F 1/2"G	M 1/2"G
996.415	15m	hygienic cover	1/2"	12,7 x 18,5	F 1/2"G	M 1/2"G
996.425	25m	hygienic cover	1/2"	12,7 x 18,5	F 1/2"G	M 1/2"G
997.320	20m	black rubber	3/4"	19 x 25	F 3/4"G	M 3/4"G
997.420	20m	hygienic cover	3/4"	19 x 25	F 3/4"G	M 3/4"G
998.315	15m	black rubber	1"	25,4 x 31,5	F 1"G	M 1"G
998.330	30m	black rubber	1"	25,4 x 31,5	F 1"G	M 1"G



Hoses

technical data

Water
max 130° C
200 bar

Fittings
Galvanised steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
994.512	12m	black rubber	5/16"	8 x 15	M 3/8"G	F 3/8"G
994.517	17m	black rubber	5/16"	8 x 15	M 3/8"G	F 3/8"G
994.612	12m	hygienic cover	5/16"	8 x 15	M 3/8"G	F 3/8"G
995.512	12m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.518	18m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.520	20m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.525	25m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.530	30m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.540	40m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.550	50m	black rubber	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.618	18m	hygienic cover	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.625	25m	hygienic cover	3/8"	9,5 x 17	F 3/8"G	F 3/8"G
995.630	30m	hygienic cover	3/8"	9,5 x 17	F 3/8"G	F 3/8"G

Water
max 130° C
400 bar

Fittings
Galvanised steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
994.717	17m	black rubber	5/16"	8 x 16	M 3/8"G	F 3/8"G
995.818	18m	black rubber	3/8"	9,5 x 17,5	F 3/8"G	F 3/8"G
995.825	25m	black rubber	3/8"	9,5 x 17,5	F 3/8"G	F 3/8"G
995.918	18m	hygienic cover	3/8"	9,5 x 17,5	F 3/8"G	F 3/8"G
995.925	25m	hygienic cover	3/8"	9,5 x 17,5	F 3/8"G	F 3/8"G

Oil and similar products
150 bar

Fittings
Galvanised steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
995.312	12m	black rubber	3/8"	9,5 x 17	M 3/8"G	M 1/2"G
995.317	17m	black rubber	3/8"	9,5 x 17	M 3/8"G	M 1/2"G
996.310	10m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G
996.315	15m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G
996.320	20m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G
996.325	25m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G
996.330	30m	black rubber	1/2"	12,7 x 19	F 1/2"G	M 1/2"G
997.515	15m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G
997.520	20m	black rubber	3/4"	19 x 26,5	F 3/4"G	M 3/4"G
998.515	15m	black rubber	1"	25,4 x 35,5	F 1"G	M 1"G
998.530	30m	black rubber	1"	25,4 x 35,5	F 1"G	M 1"G

Grease
600 bar

Fittings
Galvanised steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
993.511	12m	black rubber	1/4"	6,3 x 17,5	M 3/8"G	M 1/4"G
993.512	12m	black rubber	1/4"	6,3 x 17,5	F 1/4"G	M 1/4"G
993.516	16m	black rubber	1/4"	6,3 x 17,5	M 3/8"G	M 1/4"G
993.518	18m	black rubber	1/4"	6,3 x 17,5	F 1/4"G	M 1/4"G
995.710	10m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 1/4"G
995.715	15m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 1/4"G
995.720	20m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 1/4"G
995.725	25m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 1/4"G
995.730	30m	black rubber	3/8"	9,5 x 18	F 3/8"G	M 1/4"G



Hoses technical data

Diesel fuel
10 bar

Fittings
Galvanised steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
997.812	12m	black rubber	3/4"	19 x 27	F 1/2"G	M 1/2"G
997.815	15m	black rubber	3/4"	19 x 27	F 3/4"G	M 3/4"G
997.820	20m	black rubber	3/4"	19 x 27	F 3/4"G	M 3/4"G
997.840	40m	black rubber	3/4"	19 x 27	F 3/4"G	M 3/4"G
998.808	8m	black rubber	1"	25 x 35	F 1"G	M 1"G
998.815	15m	black rubber	1"	25 x 35	F 1"G	M 1"G
998.820	20m	black rubber	1"	25 x 35	F 1"G	M 1"G
998.830	30m	black rubber	1"	25 x 35	F 1"G	M 1"G

AdBlue
10 bar

Fittings
AISI 316
Stainless steel

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
967.210	10m	rubber EPDM antistatic	3/4"	19 x 27	F 3/4"G	M 3/4"G
967.215	15m	rubber EPDM antistatic	3/4"	19 x 27	F 3/4"G	M 3/4"G

Welding
20 bar
EN 559

Fittings
Brass

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
973.913	13m	SBR/EPDM	2x1/4"	6,3 + 6,3x13	F 3/8"G	M 3/8"G
973.917	17m	SBR/EPDM	2x1/4"	6,3 + 6,3x13	F 3/8"G	F 3/8"G
973.920	20m	SBR/EPDM	2x1/4"	6,3 + 6,3x13	F 3/8"G	F 3/8"G
973.925	25m	SBR/EPDM	2x1/4"	6,3 + 6,3x13	F 3/8"G	F 3/8"G
973.930	30m	SBR/EPDM	2x1/4"	6,3 + 6,3x13	F 3/8"G	F 3/8"G
974.912	12m	SBR/EPDM	2x5/16"	8 + 8x15	F 3/8"G	F 3/8"G
974.915	15m	SBR/EPDM	2x5/16"	8 + 8x15	F 3/8"G	F 3/8"G
974.920	20m	SBR/EPDM	2x5/16"	8 + 8x15	F 3/8"G	F 3/8"G
974.925	25m	SBR/EPDM	2x5/16"	8 + 8x15	F 3/8"G	F 3/8"G
974.930	30m	SBR/EPDM	2x5/16"	8 + 8x15	F 3/8"G	F 3/8"G
975.915	15m	SBR/EPDM	2x3/8"	9 + 9x16	F 3/8"G	F 3/8"G
975.920	20m	SBR/EPDM	2x3/8"	9 + 9x16	F 3/8"G	F 3/8"G
975.927	27m	SBR/EPDM	2x3/8"	9 + 9x16	F 3/8"G	F 3/8"G

Lpg and
Natural gas
20 bar
EN 559

Fittings
Brass

Article	Hose length	Hose characteristics	ø Hose	Dimensions	Inlet	Outlet
974.1008	8m	NBR/PVC	5/16"	8 x 15	F 3/8"G-Sx	F 3/8"G-Sx
974.1015	15m	NBR/PVC	5/16"	8 x 15	F 3/8"G-Sx	F 3/8"G-Sx
974.1020	20m	NBR/PVC	5/16"	8 x 15	F 3/8"G-Sx	F 3/8"G-Sx
974.1028	28m	NBR/PVC	5/16"	8 x 15	F 3/8"G-Sx	F 3/8"G-Sx
975.1010	10m	NBR/PVC	3/8"	10 x 17	F 3/8"G-Sx	F 3/8"G-Sx
975.1015	15m	NBR/PVC	3/8"	10 x 17	F 3/8"G-Sx	F 3/8"G-Sx
975.1018	18m	NBR/PVC	3/8"	10 x 17	F 3/8"G-Sx	F 3/8"G-Sx
975.1027	27m	NBR/PVC	3/8"	10 x 17	F 3/8"G-Sx	F 3/8"G-Sx
975.1030	30m	NBR/PVC	3/8"	10 x 17	F 3/8"G-Sx	F 3/8"G-Sx



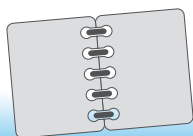
INDUSTRIAL PUMPS





RAASM INDUSTRIAL
FLUIDS AND LUBRICATION EQUIPMENT

Industrial Pumps



INTRODUCTION

page 190



PUMPS FOR OILS AND SIMILAR PRODUCTS

page 196



HIGH FLOW PUMPS FOR OIL AND SIMILAR PRODUCTS

page 200



GREASE PUMPS

page 202



PUMPS FOR INDUSTRIAL FLUIDS

page 206



AISI 304 STAINLESS STEEL PUMPS

page 208



ACCESSORIES

page 210



PUMP ELEVATORS AND RAM

page 212



Total Quality



Innovative design for optimising the pump work cycle.
The result of years of research and development, during which numerous tests were carried out for thousands of work hours.

High quality materials used, cutting-edge processes, hardening and grinding for reducing internal friction and limiting wear.

Fewer moving parts for easy and occasional maintenance with savings in running costs.

The industrial pumps guarantee high efficiency in capacity and operating pressure.

Double action ensures a continuous and constant flow of the fluid delivered.

Versatility

INTEGRAL INDUSTRIAL PUMPS



Air motor and pumping unit form a single body. They are recommended for transferring non-corrosive fluids, oil and allied products.

FLANGED INDUSTRIAL PUMPS



Air motor and pumping unit form a single body. They are recommended for transferring non-corrosive fluids, oil and allied products. The motor base is flanged to enable application of the handles which are useful for easy moving and for simple fixing in various other applications.

DIVORCED INDUSTRIAL PUMPS

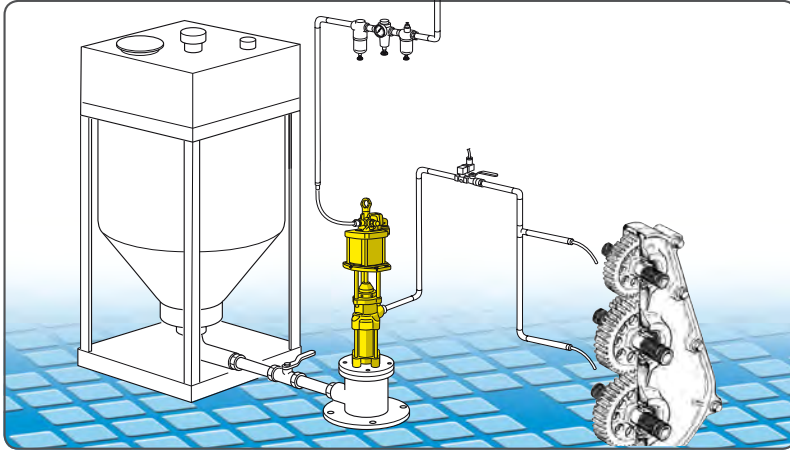


Air motor and pumping unit are separate so that the fluid cannot come into direct contact with the motor body. They are recommended for transferring non-aggressive industrial and chemical fluids. The motor base is flanged to enable application of the handles which are useful for easy moving and for simple fixing in various other applications.

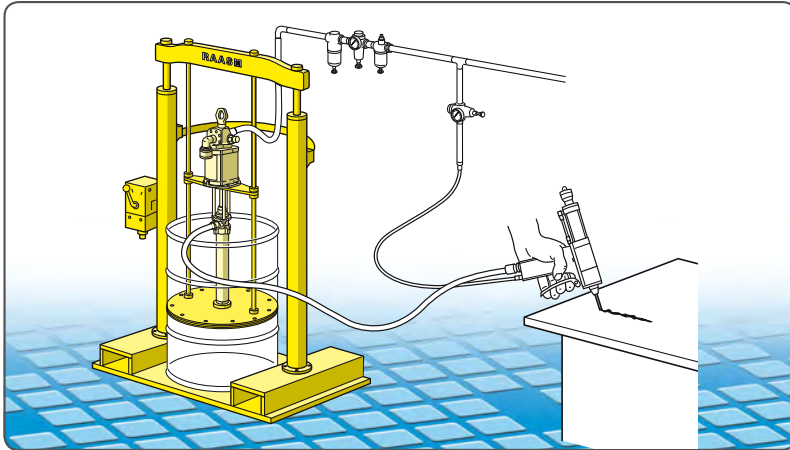
The **integral pumps** and **flanged pumps** are available in the drum version and modular version (modular = extendable with a rigid suction tube, or in the wall application with a flexible suction tube)



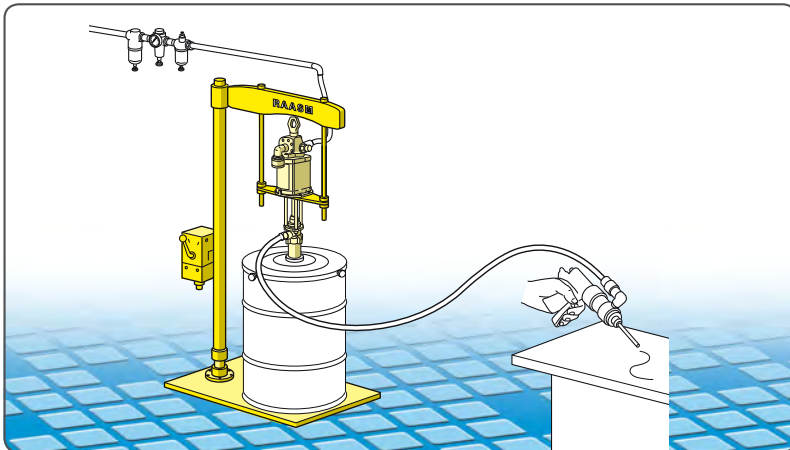
Examples of industrial pump applications



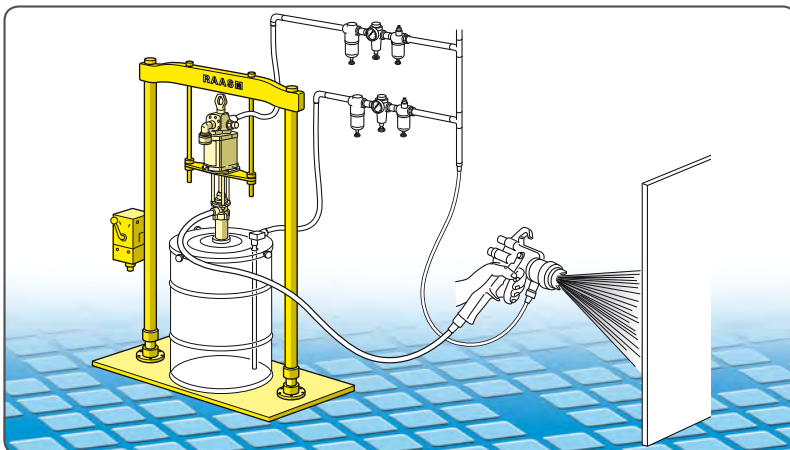
Stations for continuous feed of machinery by means of distribution of fluids in line (lubricants, inks, adhesives, etc.) with pump connected to the tank or fixed to the floor with bracket.



Automated system for the delivery of preselected quantities of fluids (inks, paints, greases, etc.), fed by pumps mounted on drum, with lift.



Application of sealants, adhesives, greases, etc., by means of special delivery gun fed by pump mounted on drum in fixed or mobile station.

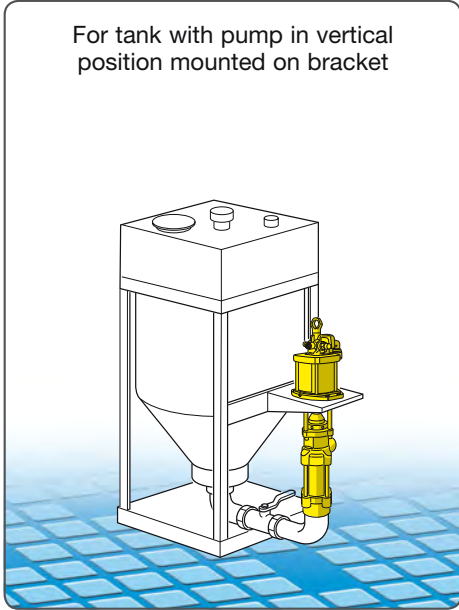


Fluid distribution system (for paints, lubricants, protective liquids, etc.) fed by pump mounted on drum in fixed station and delivery with spray gun.

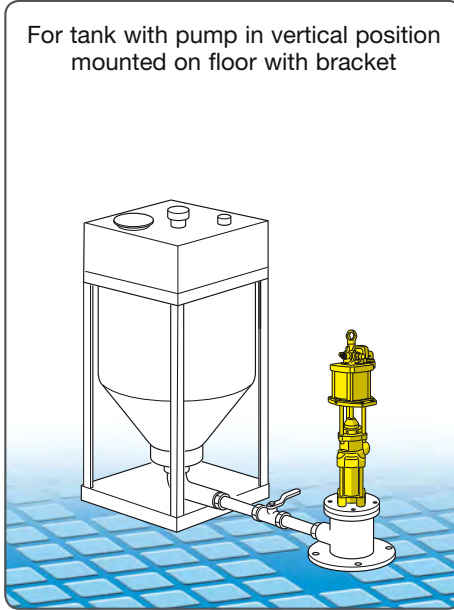


Industrial pump installations on tanks or drums

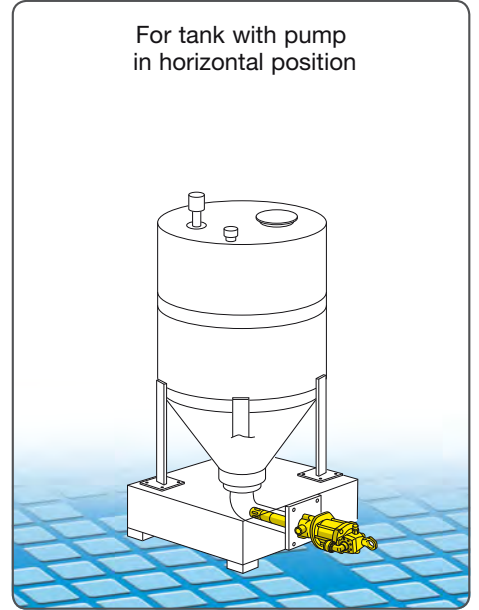
For tank with pump in vertical position mounted on bracket



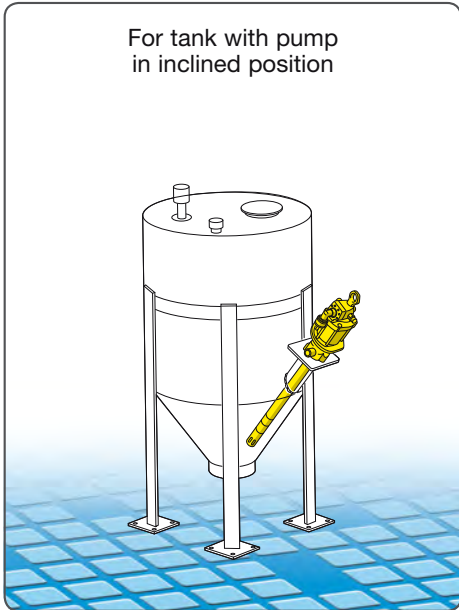
For tank with pump in vertical position mounted on floor with bracket



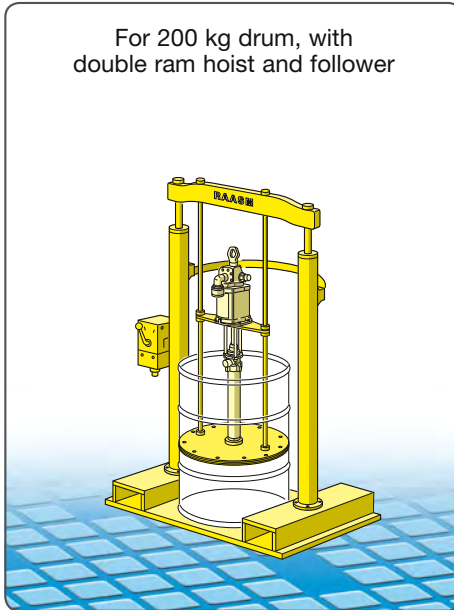
For tank with pump in horizontal position



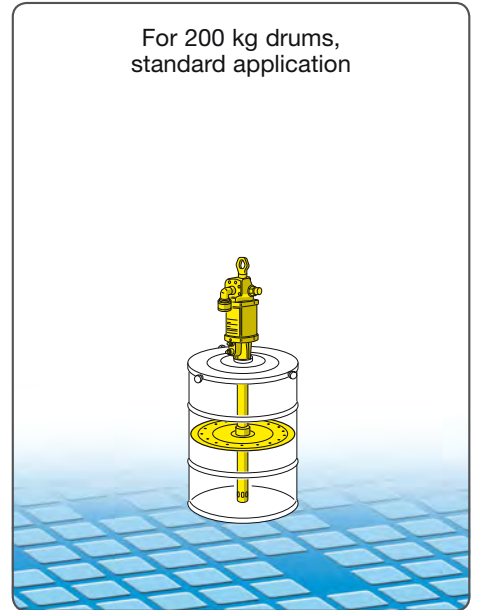
For tank with pump in inclined position



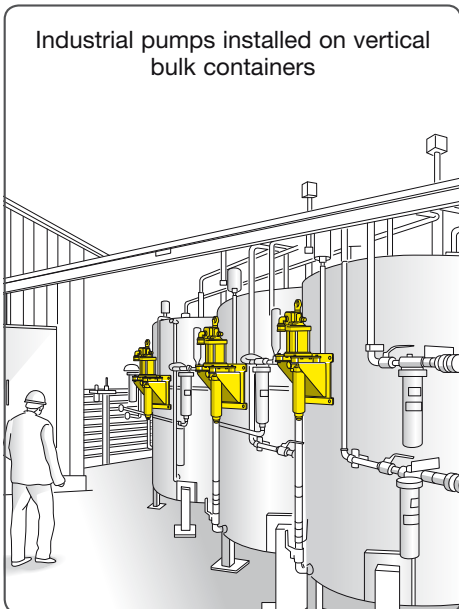
For 200 kg drum, with double ram hoist and follower



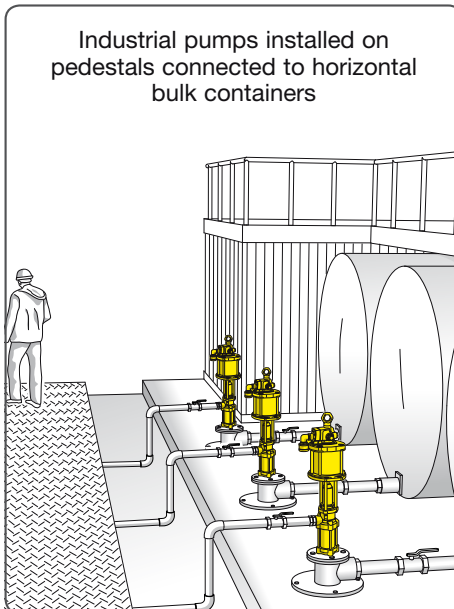
For 200 kg drums, standard application



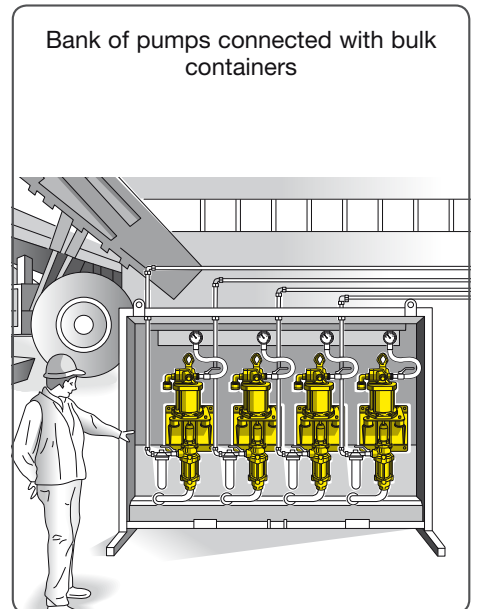
Industrial pumps installed on vertical bulk containers



Industrial pumps installed on pedestals connected to horizontal bulk containers

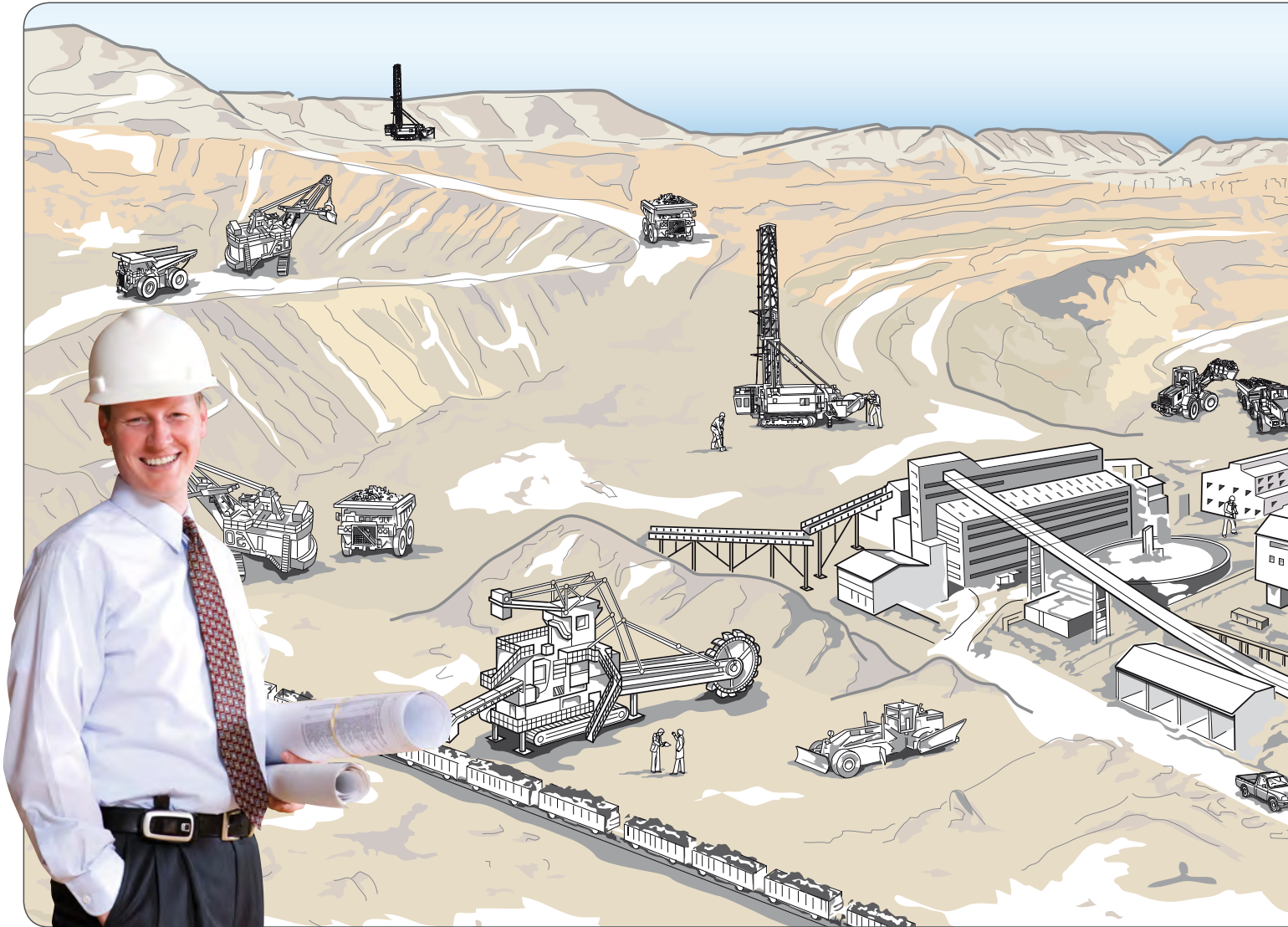


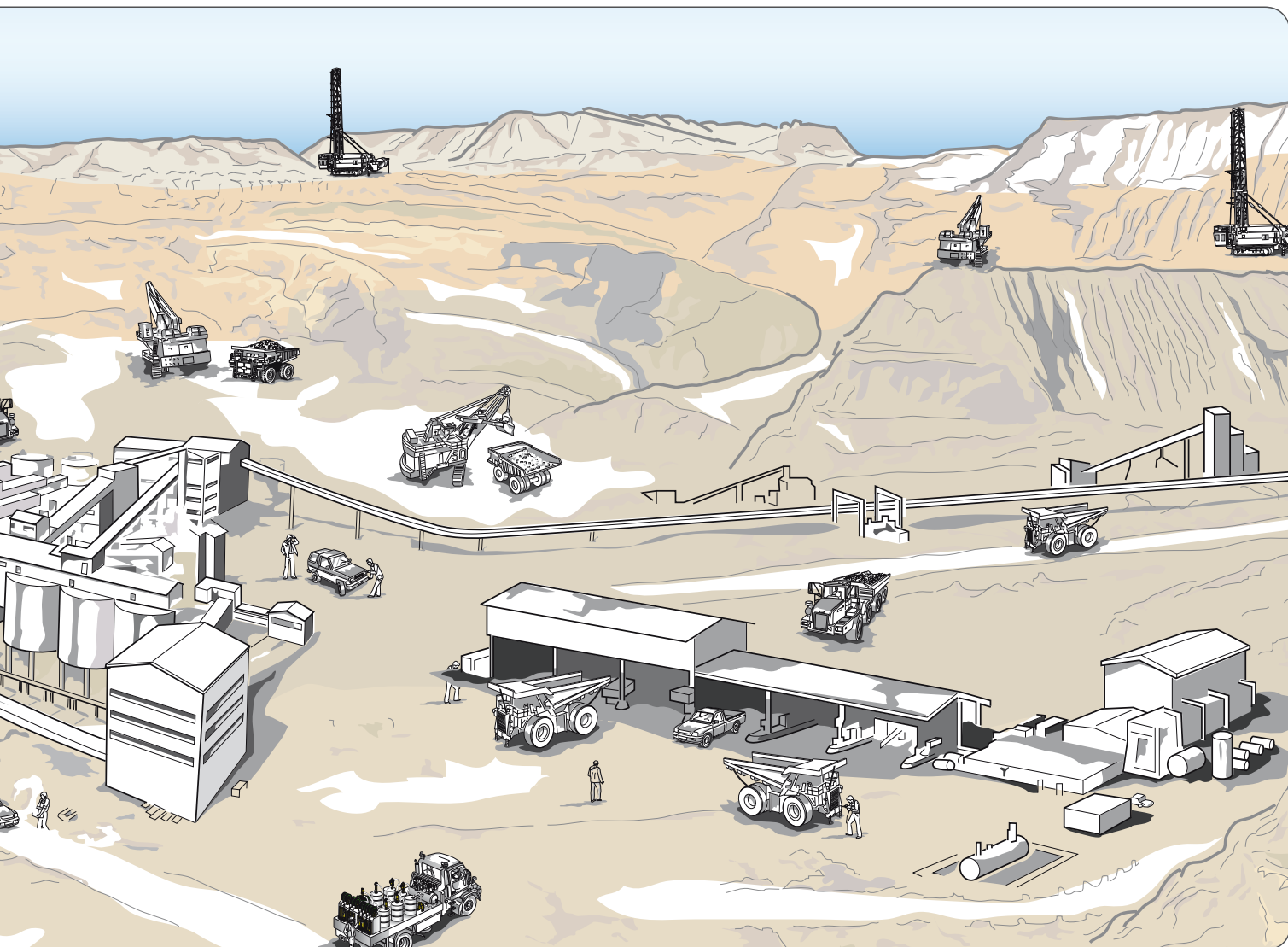
Bank of pumps connected with bulk containers





...everything for mining
technology, functionality, safety







Air-operated INDUSTRIAL PUMPS

oil and similar products

Ratio **5:1**
Flow rate **45 l/min**

Double action series 900 air-operated industrial pumps for distribution.

Suitable for transferring oils, lubricants and similar products, also high viscosity. The double action guarantees the delivery of a continuous and constant flow. Ideal for every needs. Particularly effective in systems equipped with several dispensing points.



series **900**

Article with seals in **PU**

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Max. air consumption 8 bar	m ³ /min
Noise level	dB
Air max. feed pressure	bar

Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm



integral

90C/51

flanged

90F/51

Oils, lubricants and similar
Aluminium
Carbon steel

F 1/2"

F 3/4"

1,6

80

8

F 1/2"

F 3/4"

1,6

80

8

modular

modular

1 - 0,040

12

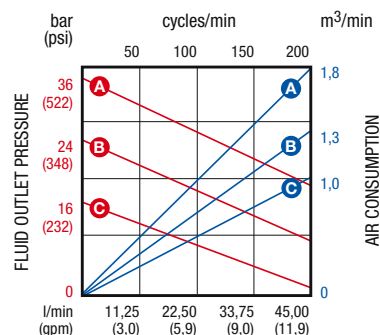
43 - 27 - 6,2

1 - 0,040

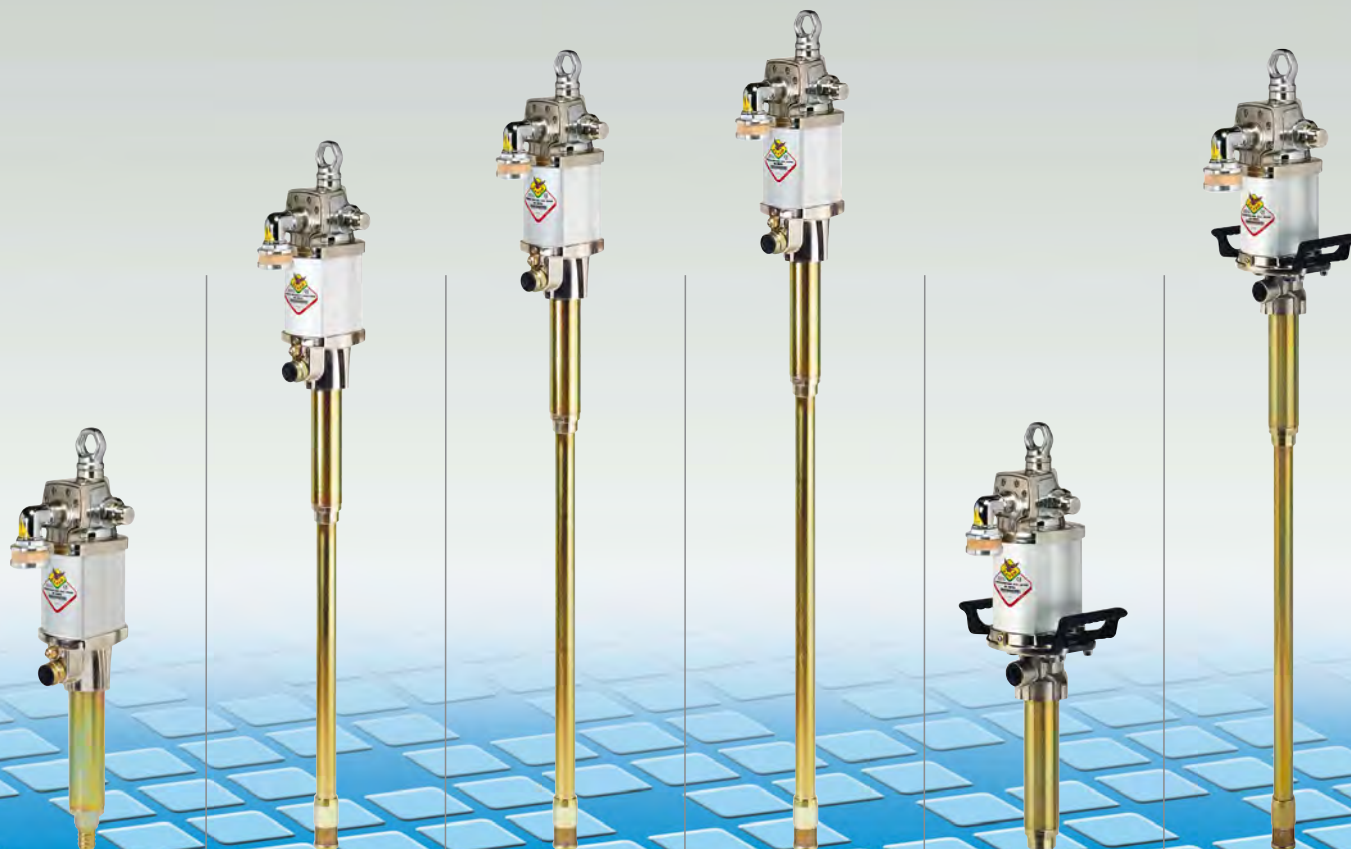
13

44,5 - 27 - 6,2

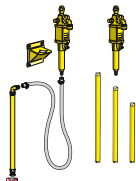
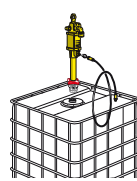
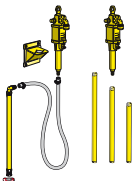
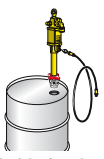
PUMP AIR
FEEDING
PRESSURE
A **A**
8 bar
116 psi
B **B**
6 bar
87 psi
C **C**
4 bar
58 psi

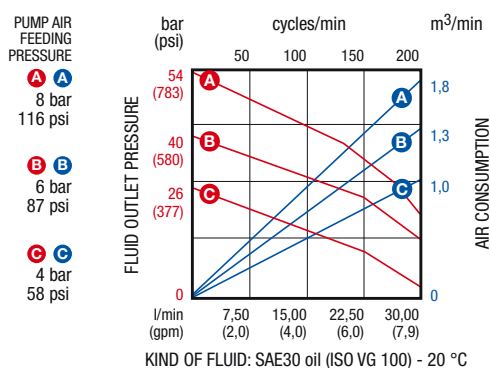


Ratio **7:1**
Flow rate **30 l/min**



series **900**

integral	integral	integral	integral	flanged	flanged
90C/71	93C/71	91C/71	92C/71	90F/71	91F/71
Oils, lubricants and similar				Oils, lubricants and grease	
Aluminium				Carbon steel	
Carbon steel				Carbon steel	
F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"
F 3/4"	F 3/4"	F 3/4"	F 3/4"	F 3/4"	F 3/4"
1,6	1,6	1,6	1,6	1,6	1,6
80	80	80	80	80	80
8	8	8	8	8	8
					
modular	suitable for drums 50-60 Kg	suitable for drums 180-220 Kg	tank	modular	suitable for drums 180-220 Kg
1 - 0,040	1 - 0,080	1 - 0,080	1 - 0,080	1 - 0,040	1 - 0,070
11	13,5	14,5	15	12	14
43 - 27 - 5,3	43 - 74 - 5,3	43 - 94 - 5,3	43 - 126 - 5,3	44,5 - 27 - 5,3	44,5 - 94 - 5,3





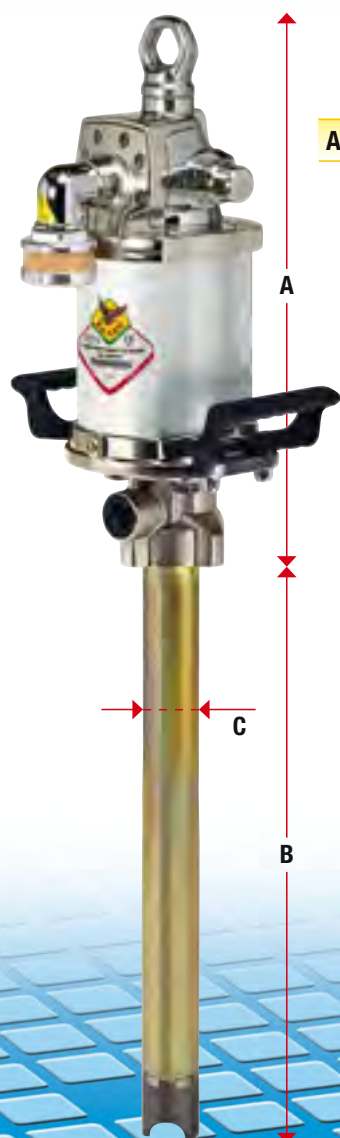
Air-operated INDUSTRIAL PUMPS

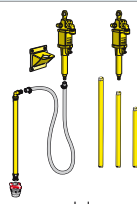
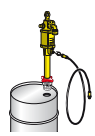
oil and similar products

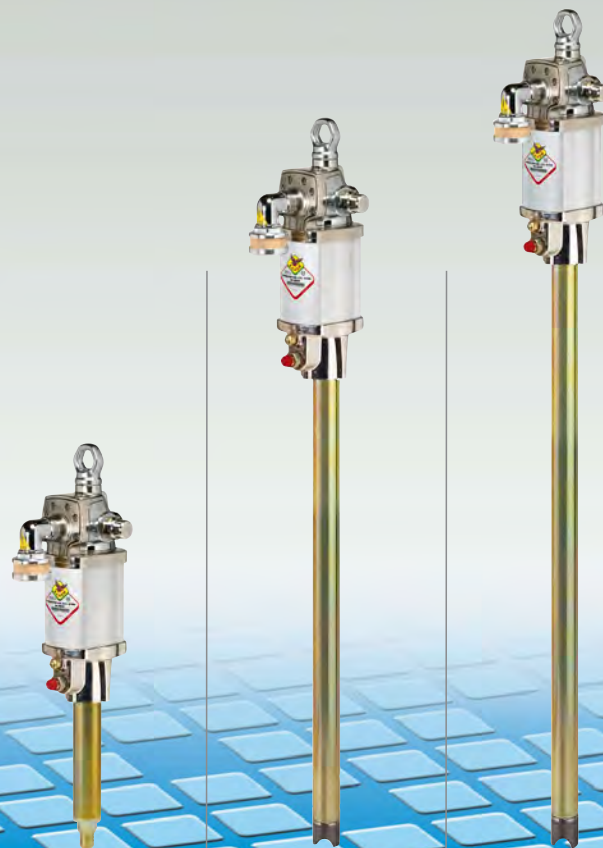
Ratio **11:1**
Flow rate **30 l/min**

Double action series 900 and 1200 air-operated industrial pumps for distribution.

Suitable for transferring oils, lubricants and similar products, also high viscosity. the double action guarantees the delivery of a continuous and constant flow. Ideal for every needs. Particularly effective in systems equipped with several dispensing points.

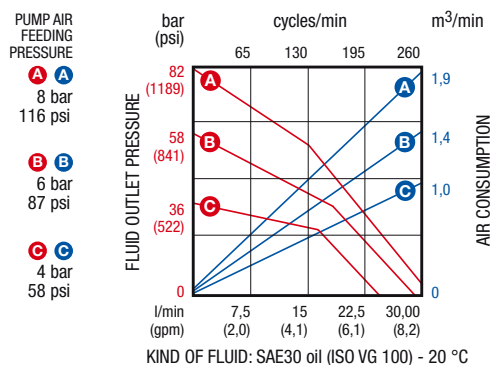


Article with seals in	PU	90C/111	92C/111	91C/111
Compatible fluids		Oils, lubricants and grease		
Suction tube upper body		Aluminium		
Suction tube		Carbon steel		
Air inlet connection	bsp	F 1/2"	F 1/2"	F 1/2"
Fluid outlet connection	bsp	F 3/4"	F 3/4"	F 3/4"
Max. air consumption 8 bar	m ³ /min	1,7	1,7	1,7
Noise level	dB	80	80	80
Air max. feed pressure	bar	8	8	8
Suitable for drums or tanks		 modular	 suitable for drums 50-60 Kg	 suitable for drums 180-220 Kg
Packing	N° - m ³	1 - 0,040	1 - 0,070	1 - 0,070
Weight	Kg	11	15	16
Dimensions (A - B - C)	cm	43 - 27 - 4,5	43 - 74 - 4,5	43 - 94 - 4,5



series **900**

integral

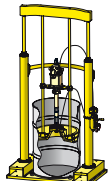
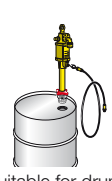
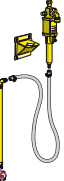
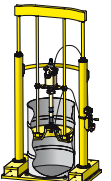


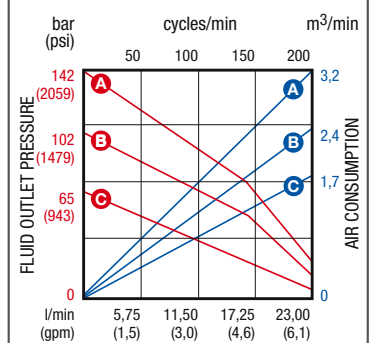
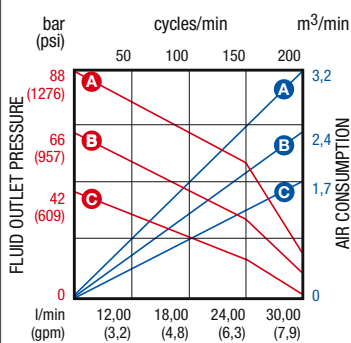
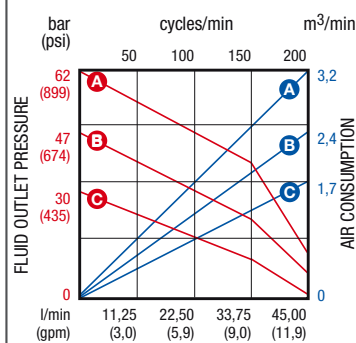
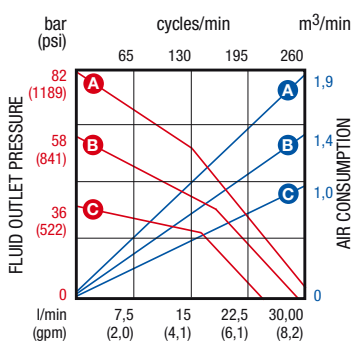
Ratio **9:1**
Flow rate **45 l/min**

Ratio **12:1**
Flow rate **30 l/min**

Ratio **18:1**
Flow rate **23 l/min**



series 900		series 1200		series 1200		series 1200	
flanged		flanged		flanged		flanged	
90F/111	91F/111	115F/91	115F/121	116F/121	115F/181	116F/181	
Oils, lubricants and grease		Oils, lubricants and similar		Oils, lubricants and similar		Oils, lubricants and grease	
Carbon steel Carbon steel		Carbon steel Carbon steel		Carbon steel Carbon steel		Carbon steel Carbon steel	
F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"	F 1/2"	
F 3/4"	F 3/4"	F 3/4"	F 3/4"	F 3/4"	F 3/4"	F 3/4"	
1,7	1,7	2,8	2,8	2,8	2,8	2,8	
80	80	80	80	80	80	80	
8	8	8	8	8	8	8	
							
pump elevator	suitable for drums 180-220 Kg	modular	modular	suitable for drums 180-220 Kg	pump elevator	suitable for drums 180-220 Kg	
1 - 0,045	1 - 0,070	1 - 0,40	1 - 0,040	1 - 0,070	1 - 0,045	1 - 0,070	
13	17	14	13	15	15,5	18	
44,5 - 48 - 4,5	44,5 - 94 - 4,5	44,5 - 23 - 6,2	44,5 - 23 - 5,3	44,5 - 94 - 5,3	44,5 - 48 - 4,5	44,5 - 94 - 4,5	





Air-operated INDUSTRIAL PUMPS

oil and similar products

Ratio **2:1**
Flow rate **95 l/min**

Ratio **3:1**
Flow rate **100 l/min**

Series 900, 1200, 1500 and 1800 industrial air-operated pumps for medium-long distance distribution. Suitable for transferring oils, lubricants and similar products, they guarantee high performance in capacity (l/min) and operating pressure. The version with viton seals can also be used for the transfer of industrial and chemical fluids. The high quality of the components ensures lasting and reliable operation even in extreme conditions.



Article with seals in	PU
Article with seals in	VITON
Compatible fluids	
Suction tube upper body	Carbon steel
Suction tube	Carbon steel
Air inlet connection	bsp
Fluid outlet connection	bsp
Max. air consumption 8 bar	m ³ /min
Noise level	dB
Air max. feed pressure	bar

Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm

PUMP AIR FEEDING PRESSURE	
A	8 bar 116 psi
B	6 bar 87 psi
C	4 bar 58 psi



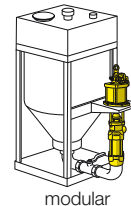
series **900**

series **1200**

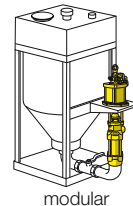
divorced

divorced

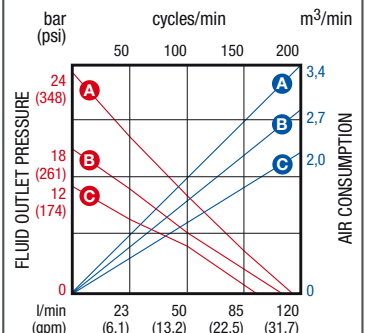
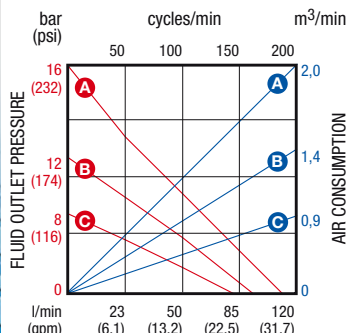
90D/21		115D/31	
	90DV/21		115DV/31
Oils, lubricants and similar	Chemical and industrial fluids	Oils, lubricants and similar	Chemical and industrial fluids
Carbon steel	Carbon steel	Carbon steel	Carbon steel
F 1 1/2"	F 1 1/2"	F 1 1/2"	F 1 1/2"
F 1.1/2"	F 1.1/2"	F 1.1/2"	F 1.1/2"
1,6	1,6	2,8	2,8
80	80	80	80
8	8	8	8



modular



modular



Ratio **4:1**
Flow rate **110 l/min**

Ratio **6:1**
Flow rate **80 l/min**

Ratio **5:1**
Flow rate **90 l/min**

Ratio **8:1**
Flow rate **65 l/min**



series **1500**

series **1500**

series **1800**

series **1800**

divorced

divorced

divorced

divorced

150D/41

150D/61

150DV/61

180D/51

180D/81

180DV/81

Oils, lubricants
and similar
Carbon steel
Carbon steel

Oils, lubricants
and similar
Carbon steel
Carbon steel
Chemical and
industrial fluids
Carbon steel

Oils, lubricants
and similar
Carbon steel
Carbon steel

Oils, lubricants
and similar
Carbon steel
Carbon steel
Chemical and
industrial fluids
Carbon steel

F 1 1/2"

F 1 1/2"

3,4

80

8

F 1 1/2"

F 1 1/2"

3,4

80

8

F 1 1/2"

F 1 1/2"

3,4

80

8

F 1 1/2"

F 1 1/2"

4,2

80

8

F 1 1/2"

F 1 1/2"

4,2

80

8

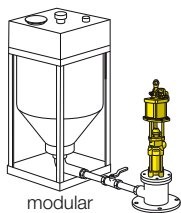
F 1 1/2"

F 1 1/2"

4,2

80

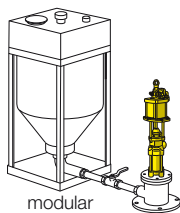
8



1 - 0,20

63

43 - 62,5 - 17,7



1 - 0,20

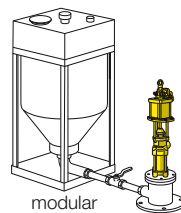
53

43 - 62,5 - 16,2

1 - 0,20

53

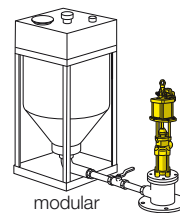
43 - 62,5 - 16,2



1 - 0,20

65

43 - 62,5 - 17,7



1 - 0,20

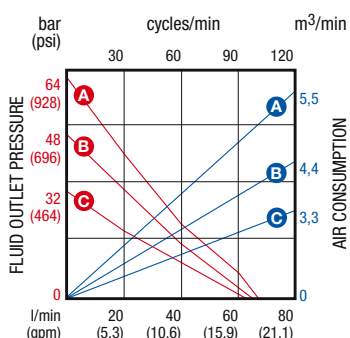
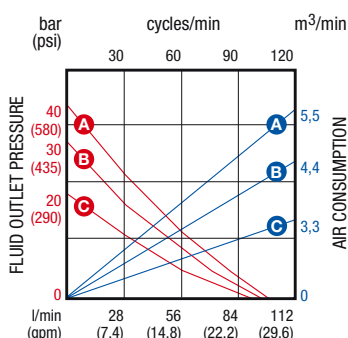
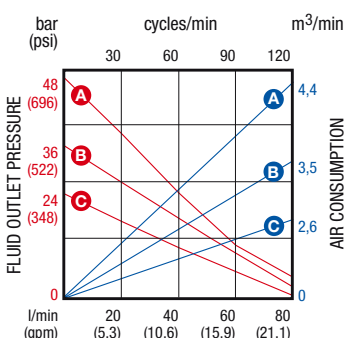
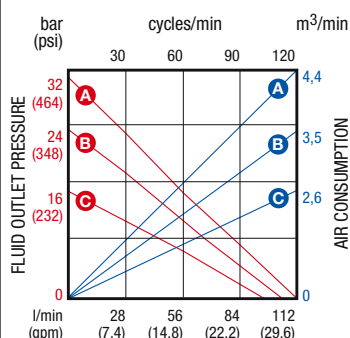
56

43 - 62,5 - 16,2

1 - 0,20

56

43 - 62,5 - 16,2





Air-operated INDUSTRIAL PUMPS grease

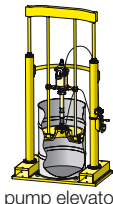
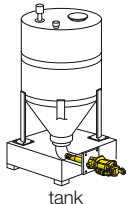
Ratio **45:1**
Flow rate **4400 g/min**

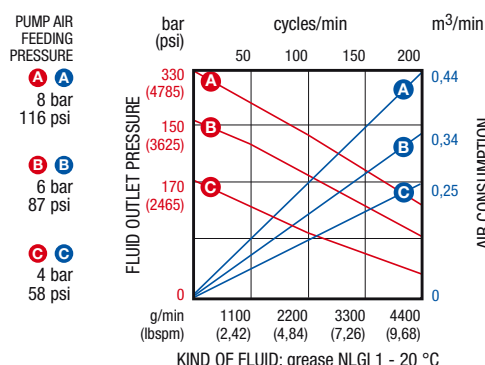
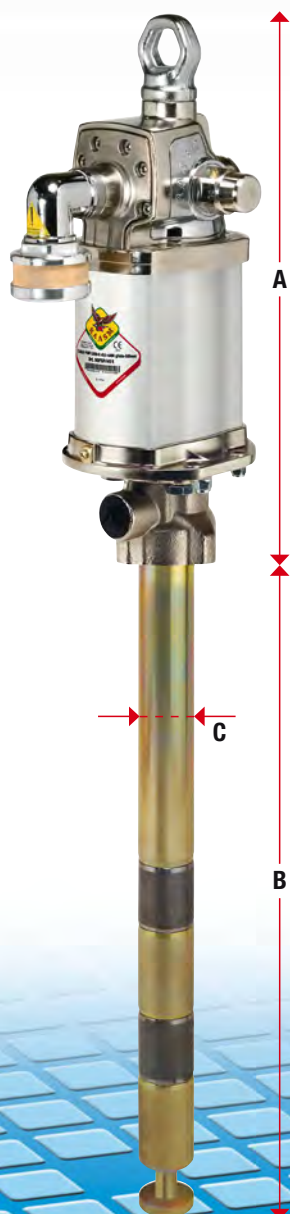
Series 900 - 1200 industrial air-operated pumps for medium-long distance distribution. Suitable for the transfer of medium-high viscosity oils and greases. The high quality of the components ensures lasting and reliable operation even in extreme conditions whereas the double action guarantees the delivery of a continuous and constant flow. Particularly effective in systems equipped with several dispensing points.



series 900

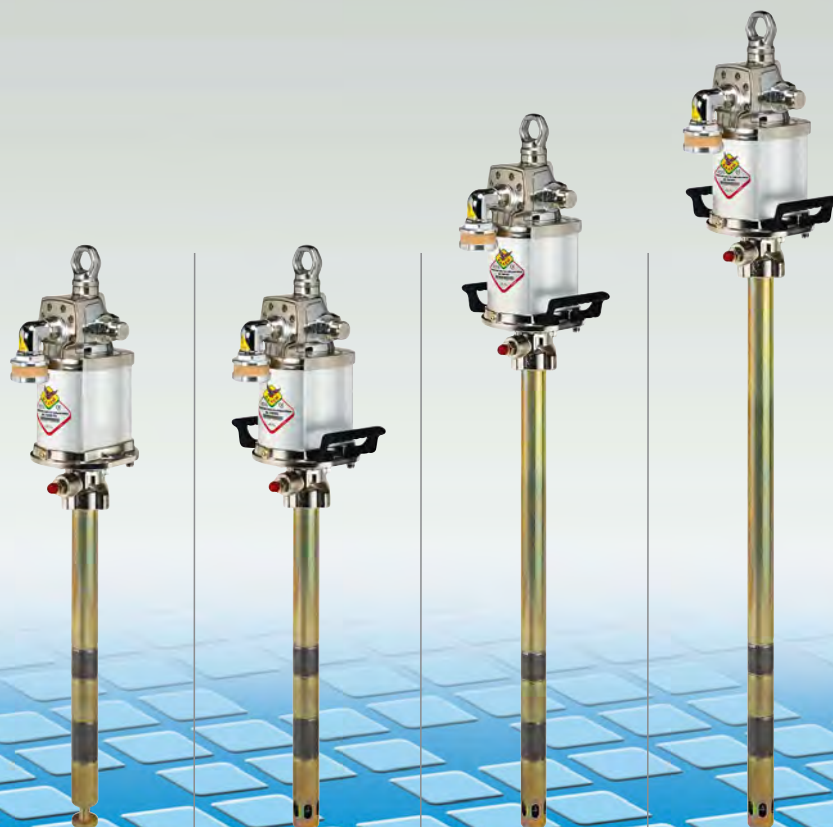
flanged

Article with seals in	PU	90FSP/451	90F/451	92F/451	91F/451
Compatible fluids		High viscosity oils and greases			
Suction tube upper body		Carbon steel			
Suction tube		Carbon steel			
Air inlet connection	bsp	F 1/2"	F 1/2"	F 1/2"	F 1/2"
Fluid outlet connection	bsp	F 1/2"	F 1/2"	F 1/2"	F 1/2"
Max. air consumption 8 bar	m ³ /min	1,6	1,6	1,6	1,6
Noise level	dB	80	80	80	80
Air max. feed pressure	bar	8	8	8	8
Suitable for drums or tanks  pump elevator  tank  suitable for drums 50-60 Kg  suitable for drums 180-220 Kg					
Packing	N° - m ³	1 - 0,085	1 - 0,045	1 - 0,070	1 - 0,070
Weight	Kg	16	16	18	19
Dimensions (A - B - C)	cm	44,5 - 50 - 4,5	44,5 - 50 - 4,5	44,5 - 74 - 4,5	44,5 - 94 - 4,5



Ratio **70:1**
Flow rate **3000 g/min**

Ratio **75:1**
Flow rate **4400 g/min**



series 900

integral

92C/701

91C/701

High viscosity oils and greases

Aluminium

Carbon steel

F 1/2"

F 1/2"

F 1/2"

F 1/2"

1,6

1,6

80

80

8

8



suitable for drums
50-60 Kg



suitable for drums
180-220 Kg

1 - 0,070

1 - 0,070

18

19

43 - 74 - 4,5

43 - 94 - 4,5

series 1200

flanged

115FSP/751

115F/751

117F/751

116F/751

High viscosity oils and greases

Carbon steel

Carbon steel

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 1/2"

2,8

2,8

2,8

2,8

80

80

80

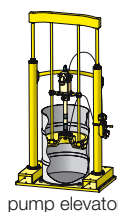
80

8

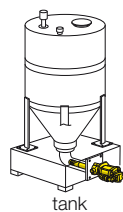
8

8

8



pump elevator



tank



suitable for drums
50-60 Kg



suitable for drums
180-220 Kg

1 - 0,045

1 - 0,045

1 - 0,070

1 - 0,070

18

18

20

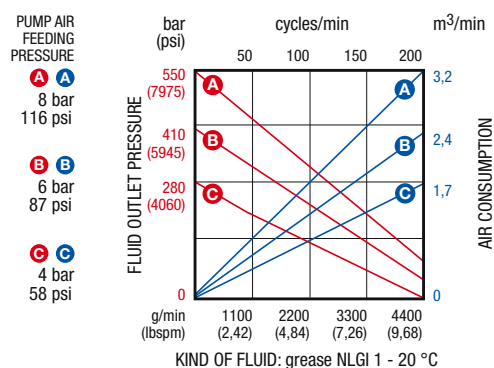
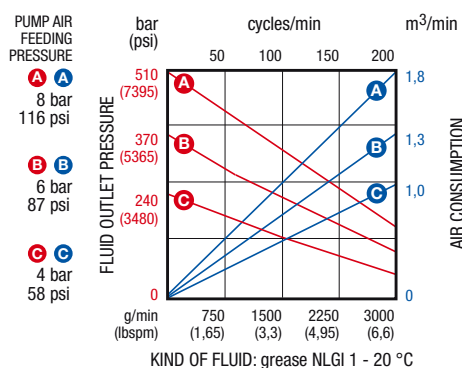
21

44,5 - 50 - 4,5

44,5 - 50 - 4,5

44,5 - 74 - 4,5

44,5 - 94 - 4,5





Air-operated INDUSTRIAL PUMPS grease

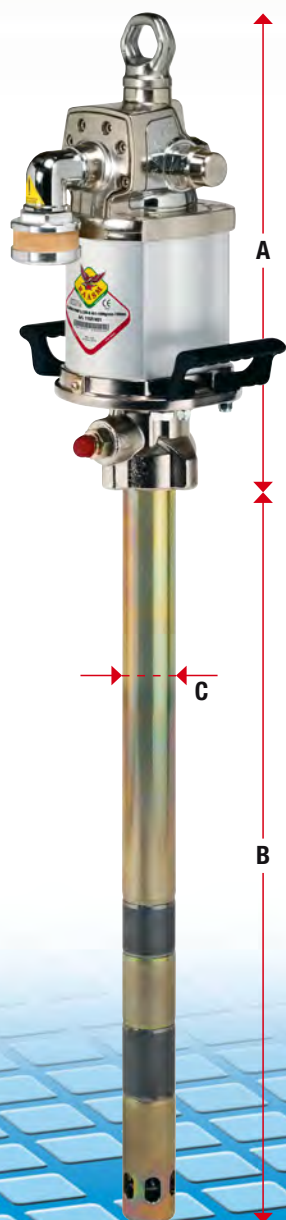
Ratio **40:1**
Flow rate **10000 g/min**

Series 1200 and 1500 industrial air-operated pumps for medium-long distance distribution.

Suitable for transferring oils, lubricants and allied products, they guarantee high performance in capacity (l/min) and operating pressure.

The version with viton seals can also be used for the transfer of industrial and chemical fluids.

The high quality of the components ensures lasting and reliable operation even in extreme conditions.

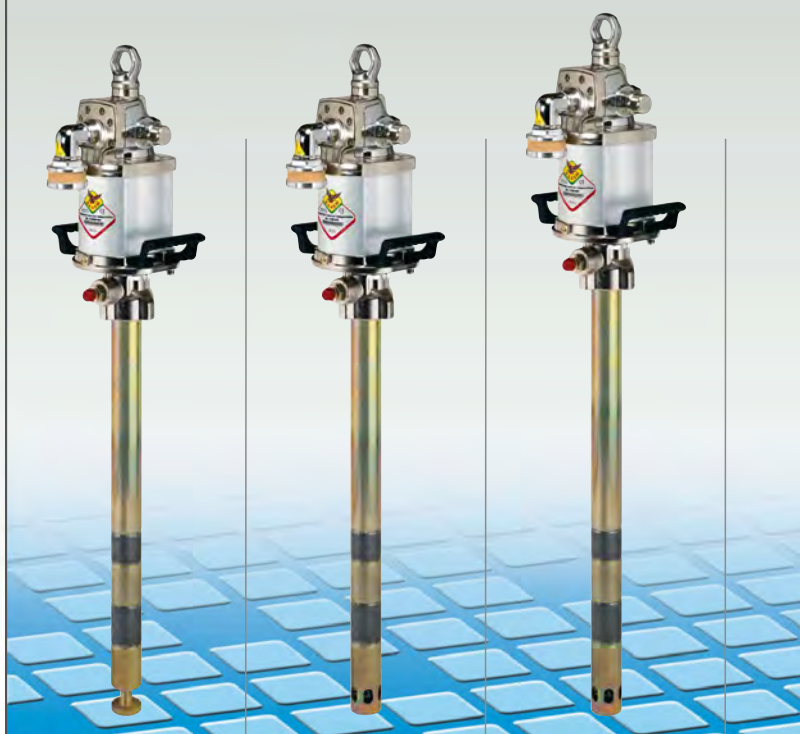


Article with seals in	PU
Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Max. air consumption 8 bar	m ³ /min
Noise level	dB
Air max. feed pressure	bar

Suitable for drums or tanks

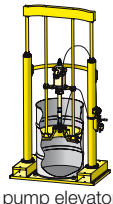
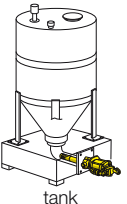
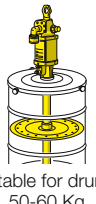
Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm

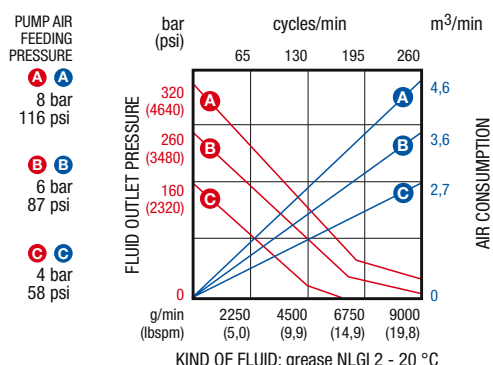
Art. 10/09
Adaptor for integral and flanged pumps series 900 and 1200, for application with other brackets



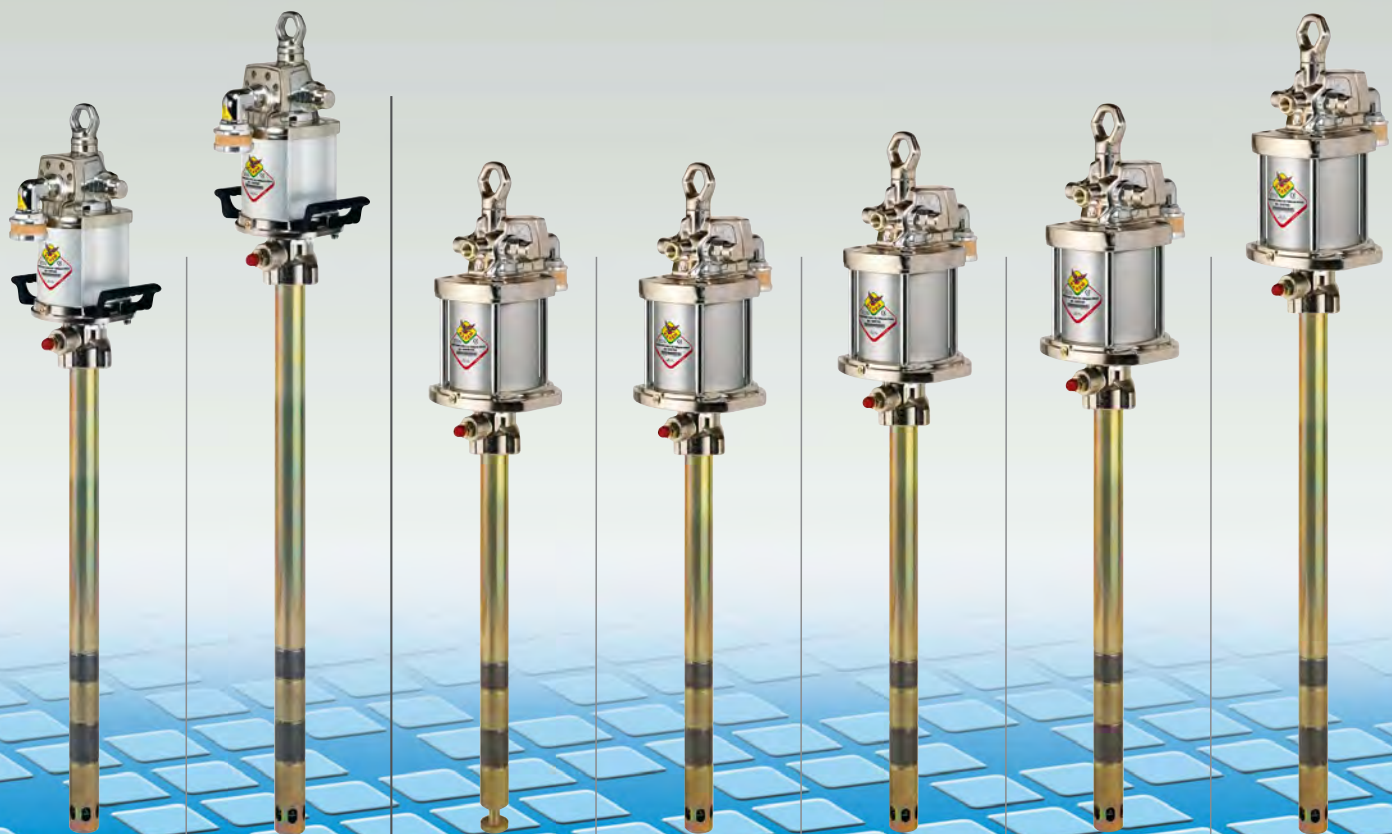
series **1200**

flanged

	118FSP/401	118F/401	115F/401
Compatible fluids	High viscosity oils and greases		
Suction tube upper body	Carbon steel		
Suction tube	Carbon steel		
Air inlet connection	F 1/2"	F 1/2"	F 1/2"
Fluid outlet connection	F 1/2"	F 1/2"	F 1/2"
Max. air consumption 8 bar	2,8	2,8	2,8
Noise level	80	80	80
Air max. feed pressure	8	8	8
	 pump elevator	 tank	 suitable for drums 50-60 Kg
Packing	1 - 0,090	1 - 0,090	1 - 0,090
Weight	21	21	23
Dimensions (A - B - C)	44,5 - 60 - 5,08	44,5 - 60 - 5,08	44,5 - 74 - 5,08



Ratio **70:1**
Flow rate **7000 g/min**



series **1200**

flanged

117F/401

116F/401

High viscosity oils and greases

Carbon steel

Carbon steel

F 1/2"

F 1/2"

F 1/2"

F 1/2"

2,8

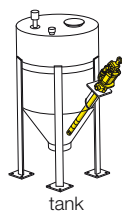
2,8

80

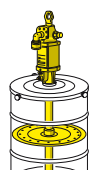
80

8

8



tank



suitable for drums
180-200 Kg

1 - 0,090

1 - 0,090

24

25

44,5 - 86 - 5,08

44,5 - 94 - 5,08

series **1500**

flanged

153FSP/701

153F/701

150F/701

152F/701

151F/701

High viscosity oils and greases

Carbon steel

Carbon steel

F 1/2"

F 1/2"

F 1/2"

F 1/2"

4,3

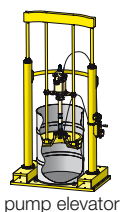
4,3

80

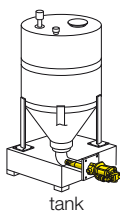
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8

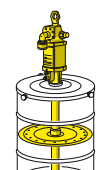
8



pump elevator



tank



suitable for drums
50-60 Kg

1 - 0,20

1 - 0,20

29

31

50 - 60 - 5,08

50 - 74 - 5,08

1 - 0,20

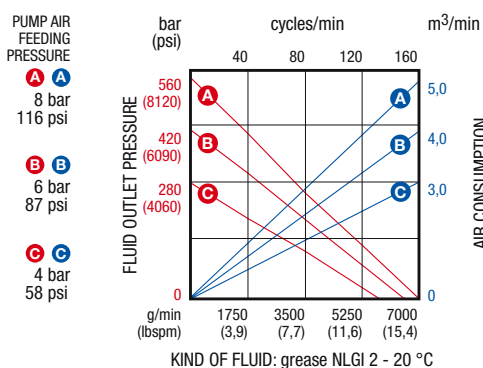
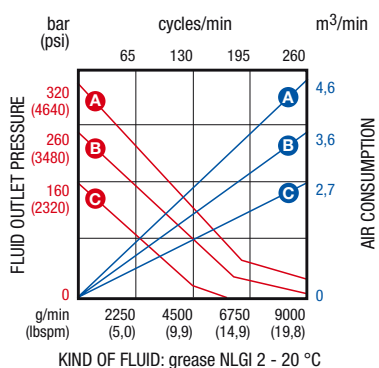
1 - 0,20

32

33

50 - 86 - 5,08

50 - 94 - 5,08





Air-operated INDUSTRIAL PUMPS

industrial fluids

Series 900 and 1200 divorced industrial air-operated pumps for medium-long distance distribution.

The divorced version, with teflon seals, can also be used for the transfer of industrial and chemical fluids. The high quality of the components ensures lasting and reliable operation even in extreme conditions.



Article with seals in **TEFLON**

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Max. air consumption 8 bar	m ³ /min
Noise level	dB
Air max. feed pressure	bar

Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm

PUMP AIR
FEEDING
PRESSURE

A A
8 bar
116 psi

B B
6 bar
87 psi

C C
4 bar
58 psi

Ratio **5:1**
Flow rate **45 l/min**

Ratio **7:1**
Flow rate **30 l/min**



series **900**

divorced

90D/51

Chemical and industrial fluids

Carbon steel

Carbon steel

F 1 1/2"

F 3/4"

1,6

80

8



series **900**

divorced

90D/71

Chemical and industrial fluids

Carbon steel

Carbon steel

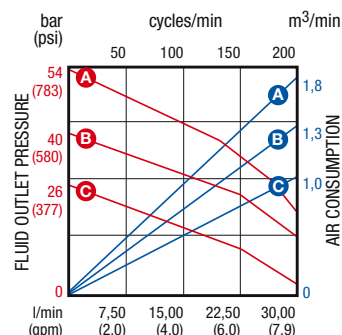
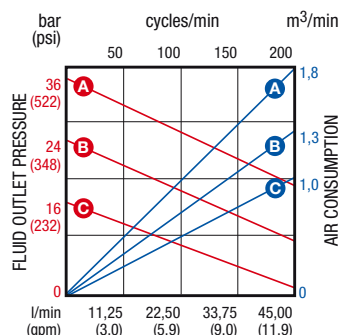
F 1 1/2"

F 3/4"

1,6

80

8



Ratio **11:1**
Flow rate **30 l/min**

Ratio **9:1**
Flow rate **45 l/min**

Ratio **12:1**
Flow rate **30 l/min**

Ratio **18:1**
Flow rate **23 l/min**



series 900

series 1200

series 1200

series 1200

divorced

divorced

divorced

divorced

90D/111

115D/91

115D/121

115D/181

Chemical and industrial fluids

Chemical and industrial fluids

Chemical and industrial fluids

Chemical and industrial fluids

Carbon steel

Carbon steel

Carbon steel

Carbon steel

Carbon steel

Carbon steel

Carbon steel

Carbon steel

F 1/2"

F 1/2"

F 1/2"

F 1/2"

F 3/4"

F 3/4"

F 3/4"

F 3/4"

1,7

2,8

2,8

2,8

80

80

80

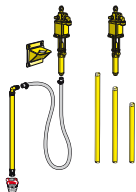
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8

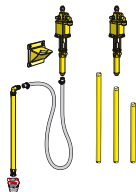
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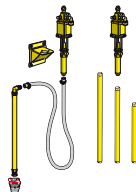
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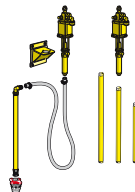
modular



modular



modular



modular

1 - 0,045

1 - 0,045

1 - 0,045

1 - 0,045

13

15,5

14,5

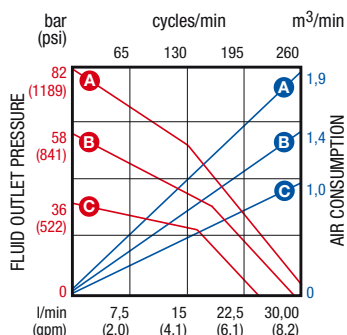
14

36 - 48 - 4,5

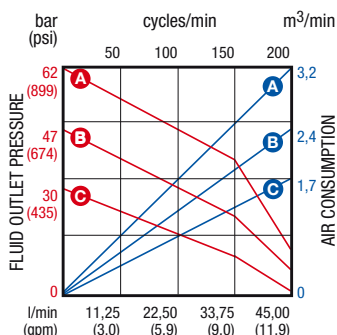
36 - 48 - 6,2

36 - 48 - 5,3

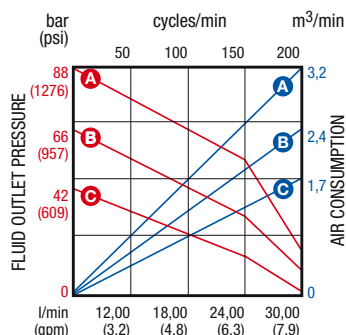
36 - 48 - 4,5



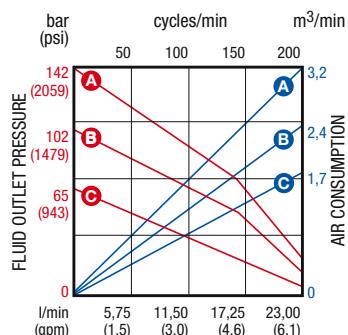
KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C



KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C



KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C

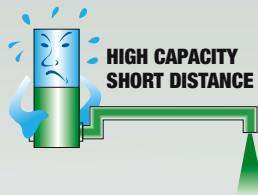


KIND OF FLUID: SAE30 oil (ISO VG 100) - 20 °C

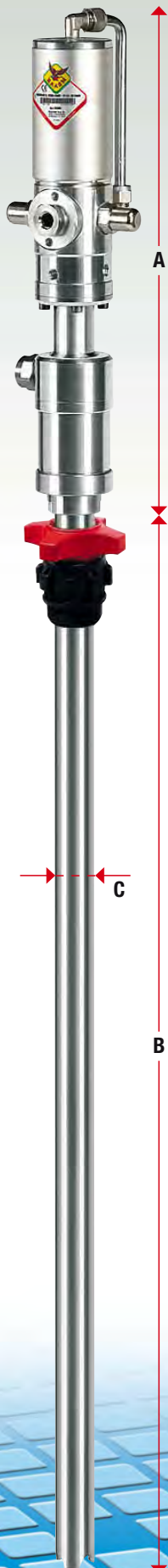


S/Steel AISI 304 pumps for short-medium distance TRANSFER

Ratio **1:1**
Flow rate **30 l/min**



Ideal for transferring low-medium viscosity fluids such as: antifreeze liquid, windshield washing liquid and chemical products.



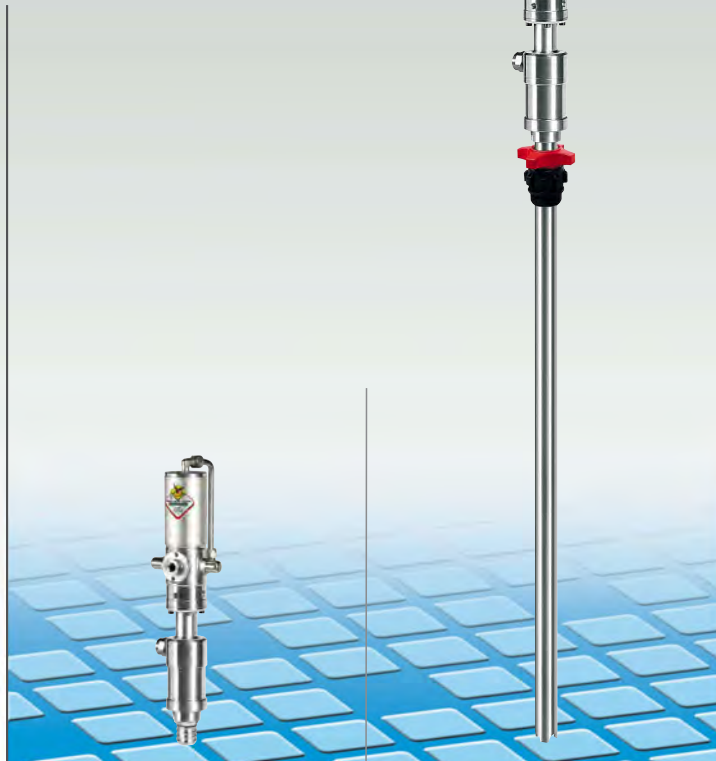
Article with seals in **VITON**

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid outlet connection	bsp
Max. air consumption 8 bar	m ³ /min
Noise level	dB
Air max. feed pressure	bar

Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm

Art. 33440
Gun for antifreeze and
windshield liquid with
stainless steel rigid
terminal



series **600 INOX**

divorced

33360

divorced

33396

Suitable for antifreeze and windshield washing liquid

Stainless steel AISI 304

Stainless steel AISI 304

F 1/4" G

F 1/4" G

F 1/2" G

F 1/2" G

0,37

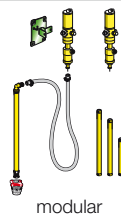
0,37

81

81

6 - 8

6 - 8



modular



suitable for drums
180-220 Kg

1 - 0,10

1 - 0,020

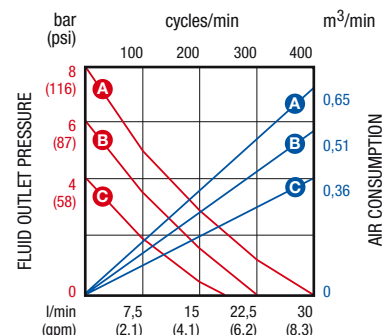
5,3

7,4

41 - 0 - 0

41 - 94 - 3,4

PUMP AIR
FEEDING
PRESSURE
A 8 bar
116 psi
B 6 bar
87 psi
C 4 bar
58 psi



KIND OF FLUID: windshield washing fluid with water



Air-operated INDUSTRIAL PUMPS S/STEEL AISI 304

industrial fluids

Series 900 - 1200 divorced stainless steel AISI 304 industrial air-operated pumps for medium-long distance distribution. They are suitable to transfer aggressive fluids compatible with the wet parts of the pump (stainless steel and teflon). The high quality of the components ensures lasting and reliable operation even in extreme conditions.



Article with seals in **TEFLON**
TEFLON+UHMW-PE

Compatible fluids	
Suction tube upper body	
Suction tube	
Air inlet connection	bsp
Fluid inlet connection	bsp
Fluid outlet connection	bsp
Max. air consumption 8 bar	m ³ /min
Noise level	dB
Air max. feed pressure	bar

Suitable for drums or tanks

Packing	N° - m ³
Weight	Kg
Dimensions (A - B - C)	cm

PUMP AIR
FEEDING
PRESSURE

A A
8 bar
116 psi

B B
6 bar
87 psi

C C
4 bar
58 psi

Ratio **6:1**
Flow rate **42 l/min**

Ratio **9:1**
Flow rate **42 l/min**



series **900**

divorced

94D/61

95D/61

Chemical and industrial fluids

Stainless steel AISI 304

Stainless steel AISI 304

F 1/2"

F 1.1/4"

F 1"

F 3/4"

1,6

1,6

80

8



modular



modular



series **1200**

divorced

120D/91

Chemical and industrial fluids

Stainless steel AISI 304

Stainless steel AISI 304

F 1/2"

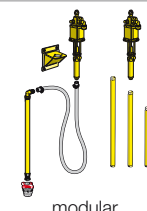
F 1"

F 3/4"

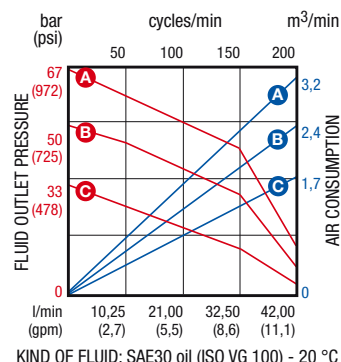
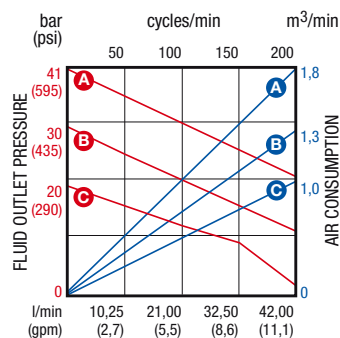
2,8

80

8

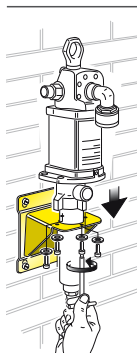


modular

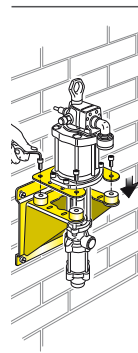




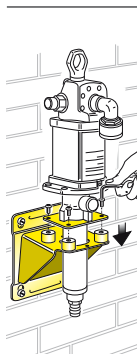
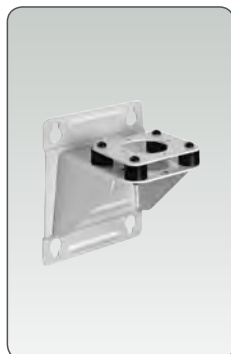
Accessories for industrial pumps



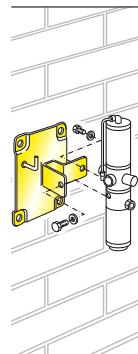
Art. 10/10
Wall bracket in painted steel for wall-mounting of integral and flanged industrial pumps, series 900 and 1200



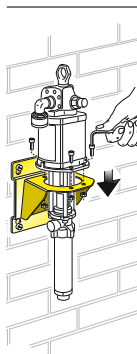
Art. 10/18
Wall bracket in painted steel with dampers for wall-mounting of divorced industrial pumps, with suction tube Ø 100 mm, series 900 and 1200



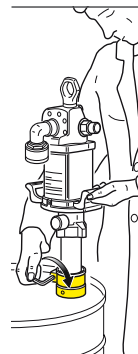
Art. 10/11
Wall bracket in painted steel with dampers for wall-mounting of integral and flanged industrial pumps, series 900 and 1200



Art. 33115
Wall bracket in steel for wall-mounting of transfer pumps, series 600 and 650

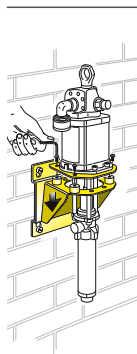


Art. 10/12
Wall bracket in painted steel for wall-mounting of divorced industrial pumps, series 900 and 1200

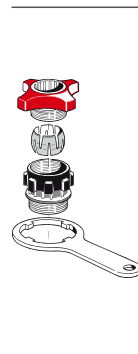


Art. 10/14
Bung adaptor, for industrial pumps with suction tube, ø 45 mm series 900 and 1200

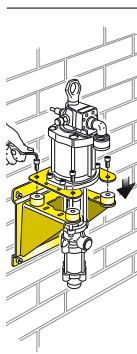
Art. 10/15
Bung adaptor, for industrial pumps with suction tube, ø 53 mm series 900 and 1200



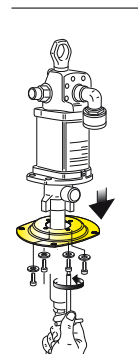
Art. 10/13
Wall bracket in painted steel with dampers for wall-mounting of divorced industrial pumps, series 900 and 1200



Art. 33434
Bung adaptor ø 34 mm, with double body for pumps with suction tube, series 600



Art. 10/17
Wall bracket in painted steel with dampers for wall-mounting of flanged industrial pumps, series 1500 and 1800



Art. 10/09
Adaptor for integral and flanged pumps series 900 e 1200, for application with other brackets



Accessories for industrial pumps

Union ø 45 mm



Drum cover for pumps with suction tube ø 45

Art. 10/50 Drum cover ø 600 mm for drums 180 - 220 Kg
(drums external ø 550 - 600 mm)

Art. 10/51 Drum cover ø 420 mm for drums 50 - 60 Kg
(drums external ø 370 - 420 mm)

Art. 10/52 Drum cover ø 385 mm for drums 30 - 50 Kg
(drums external ø 340 - 385 mm)



Follower plate for pumps S. 900 - 1200 with suction tube ø 45

Art. 10/60 Follower plate ø 585 mm for drums 180 - 220 Kg
(drums internal ø 540 - 580 mm)

Art. 10/61 Follower plate Ø 400 mm for drums 50 - 60 Kg
(drums internal ø 360 - 400 mm)

Art. 10/62 Follower plate Ø 370 mm for drums 30 - 50 Kg
(drums internal ø 335 - 360 mm)



Union ø 50,8 mm

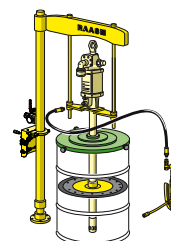


Drum cover for pumps with suction tube ø 50,8

Art. 10/55 Drum cover ø 600 mm for drums 180 - 220 Kg
(drums external ø 550 - 600 mm)

Art. 10/56 Drum cover ø 420 mm for drums 50 - 60 Kg
(drums external ø 370 - 420 mm)

Art. 10/57 Drum cover ø 385 mm for drums 30 - 50 Kg
(drums external ø 340 - 385 mm)



Follower plate for pumps S. 1200 - 1500 with suction tube ø 50,8

Art. 10/65 Follower plate ø 585 mm for drums 180 - 220 Kg
(drums internal ø 540 - 580 mm)

Art. 10/66 Follower plate ø 400 mm for drums 50 - 60 Kg
(drums internal ø 360 - 400 mm)

Art. 10/67 Follower plate ø 370 mm for drums 30 - 50 Kg
(drums internal ø 335 - 360 mm)



Union 2" F

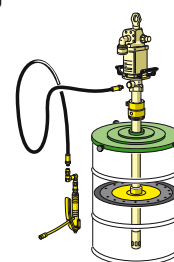


Drum cover with threaded bushing 2" f

Art. 65160 Follower plate ø 600 mm for drums 180 - 220 kg
(drums external ø 550 - 600 mm)
suitable to fit pump bung adaptor

Art. 65142 Follower plate ø 420 mm for drums 50 - 60 kg
(drums external ø 370 - 420 mm)
suitable to fit pump bung adaptor

Art. 65138 Follower plate ø 385 mm for drums 30 - 50 kg
(drums external ø 340 - 385 mm)
suitable to fit pump bung adaptor





Air-operated pump elevator

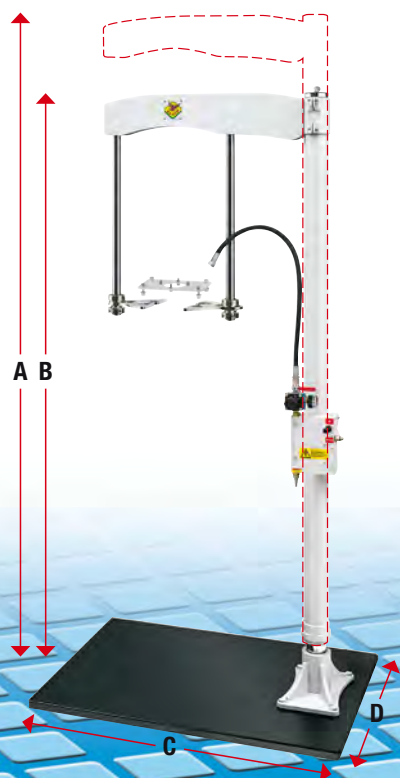
1 column

The Pump elevators are available in single column (with or without basement) or twin column version. It is raised by compressed air, via the side mounted 3-way valve allowing to change the drum easily and quickly. A special version of the twin columns elevator is equipped with 2 rods which connected to a special follower plate (available on request) may push it downward making easier suction of the fluid and increasing the performance of the pump. They are available for 180-220 Kg drums.



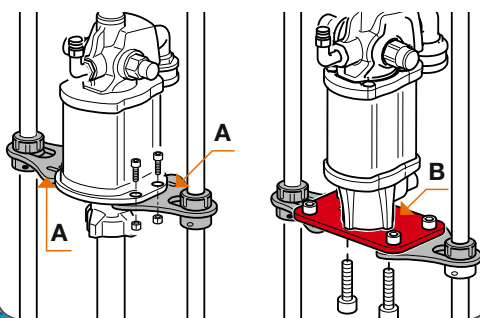
Article	10/81	10/80
Column	1	1
Suitable for drums	180 - 220	180 - 220
Working temperature	+ 2 °C + 40 °C	+ 2 °C + 40 °C
Pressione max	8	8
Usable pumps	S. 600 - 700 grease pump - 900 - 1200 - 1500 - 1800	
Noise level	negligible (< 70)	
Pushing force upwards at:	* 4 bar 113 kg - 6 bar 170 kg - 8 bar 226 kg	4 bar 113 kg - 6 bar 170 kg - 8 bar 226 kg
Pushing force downwards at:	-	-
Packing	1 - 0,679	1 - 1,165
Gross weight	75	97
Height max/min (A - B)	271,5 - 171,5	275 - 175
Dimensions (C - D)	14 - 25,5	86,6 - 63

Nota: *theoretical values, the coefficients of friction are not calculated.



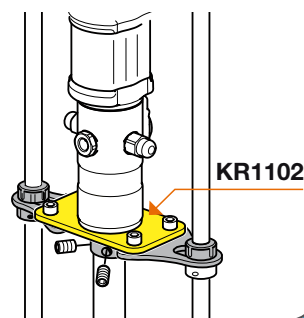
STANDARD BRACKETS

All the elevators are equipped with 2 standard brackets (A - B) suitable for mounting all our industrial pumps.



BRACKETS ON REQUEST

KR1102: Special support suitable to mount pump with $\varnothing$ 30 mm suction tube.



2 column



10/82

2

180 - 220
+ 2 °C + 40 °C

8

S. 600 - 700 grease pump - 900 - 1200 - 1500 - 1800
negligible (< 70)

*

4 bar 226 kg - 6 bar 339 kg - 8 bar 452 kg

-

1 - 1,406

128

275 - 175

108,6 - 63

2 column + fluid press



10/85

2

180 - 220
+ 2 °C + 40 °C

8

S. 600 - 700 grease pump - 900 - 1200 - 1500 - 1800
negligible (< 70)

*

4 bar 509 Kg - 6 bar 763 Kg - 8 bar 1017 Kg

**

4 bar 432 Kg - 6 bar 648 Kg - 8 bar 864 Kg

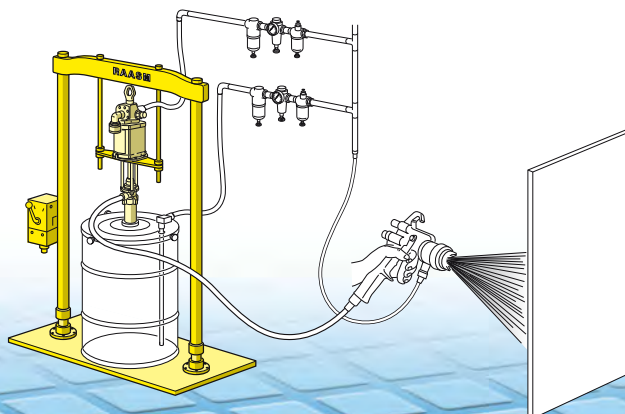
1 - 1,840

187

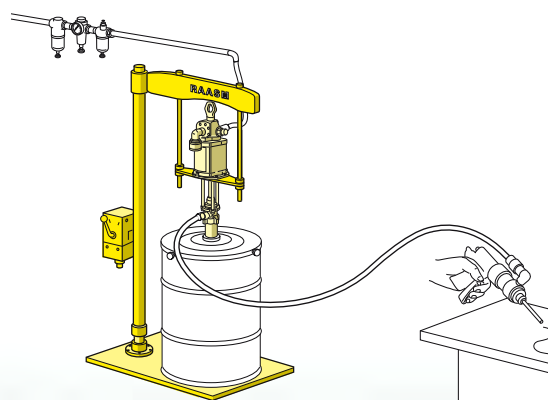
280 - 180

108,6 - 63

Nota: **theoretical figures: friction has not been considered. Furthermore depression's force created by the pump during suction (+2100 Kg) must be added to the listed figures.



Fluid distribution system (for paints, lubricants, protective liquids, etc.) fed by pump mounted on drum in fixed station and delivery with spray gun.



Automated system for the delivery of preselected quantities of fluids (inks, paints, greases, etc.), fed by pump mounted on drum, with twin column ram



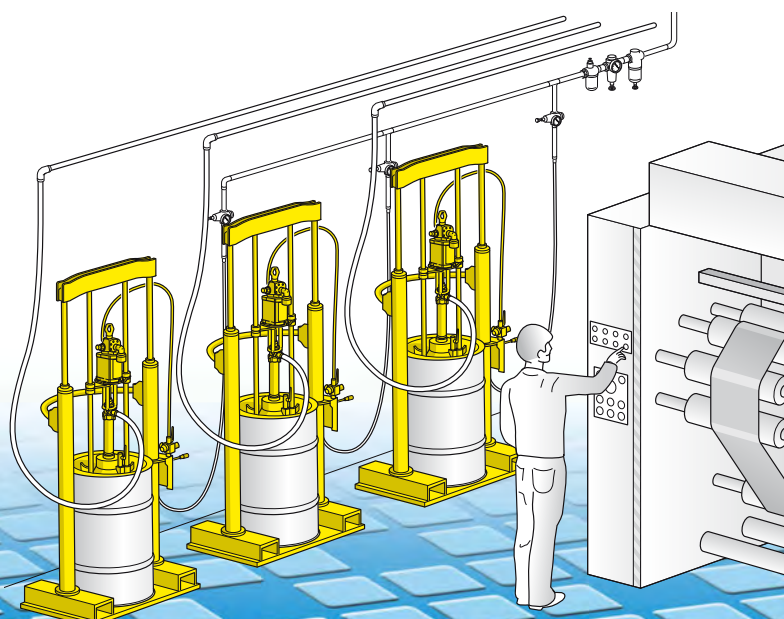
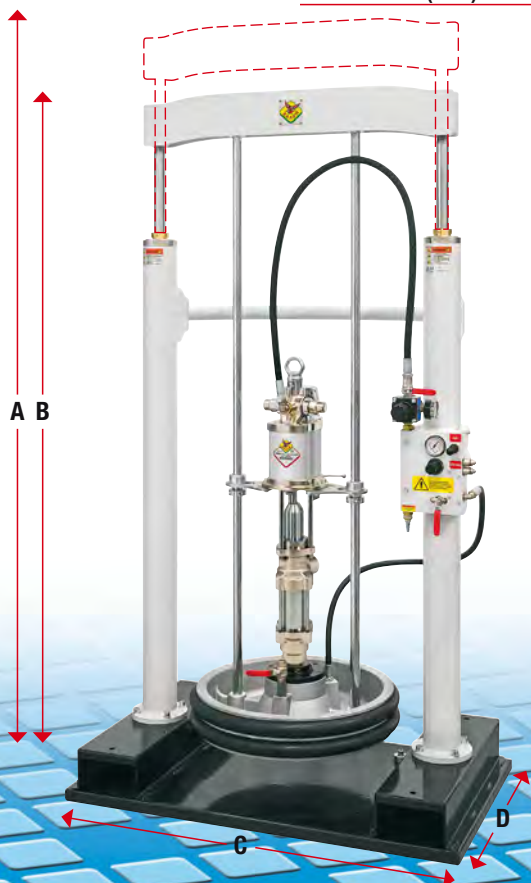
Air-operated twin column ram hoist

low pressure/high flow rate

Air-operated twin column ram hoist with industrial pump. It is raised and lowered by compressed air, via the side mounted 3-way valve. Essential when pumping high viscosity and heavy fluids since ram pushes down the follower plate helping pump working. It is suitable for 180- 220 Kg drums.



Article with follower plate with pump seals	NBR PU	10/1561P1N	10/1881P1N
Ratio		6:1	8:1
Flow rate		80 l/min	65 l/min
Pump	Art.	150D/61	180D/81
Suction tube		F 2" G	F 2" G
Twin column ram	Art.	10/85	10/85
Follower plate	Art.	11/60	11/60
Adaptors for follower plate	Art.	21/62	21/62
Pump connection hose	Art.	996.3015	996.3015
Follower plate connection hose	Art.	995.301	995.301
Suitable for drums	Kg	200	200
Packing	N° - m ³	1 - 1,80	1 - 1,80
Weight	Kg	263	266
Height max/min (A - B)	cm	280 - 180	280 - 180
Dimensions (C - D)	cm	108,6 - 63	108,6 - 63



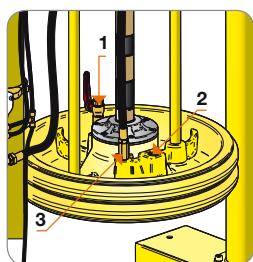
medium pressure/medium flow rate

high pressure/low flow rate

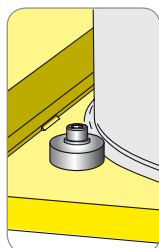


10/09111P1N	10/12181P1N	10/12401P1N	10/09451P1N	10/12751P1N	10/15701P1N
11:1	18:1	40:1	45:1	75:1	70:1
30 l/min	23 l/min	10 kg/min	4,4 kg/min	4,4 kg/min	7 kg/min
90F/111	115F/181	118FSP/401	90FSP/451	115FSP/751	153FSP/701
ø 45	ø 45	ø 50,8	ø 45	ø 45	ø 50,8
10/85	10/85	10/85	10/85	10/85	10/85
11/60	11/60	11/60	11/60	11/60	11/60
21/64	21/64	21/65	21/64	21/64	21/65
996.3015	996.3015	996.3015	996.3015	996.3015	996.3015
995.301	995.301	995.301	995.301	995.301	995.301
200	200	200	200	200	200
1 - 1,80	1 - 1,80	1 - 1,80	1 - 1,80	1 - 1,80	1 - 1,80
225	226	231	228	230	238
280 - 180	280 - 180	280 - 180	280 - 180	280 - 180	280 - 180
108,6 - 63	108,6 - 63	108,6 - 63	108,6 - 63	108,6 - 63	108,6 - 63

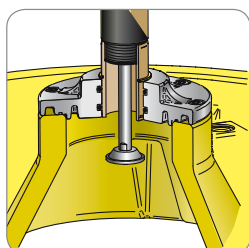
Technical features



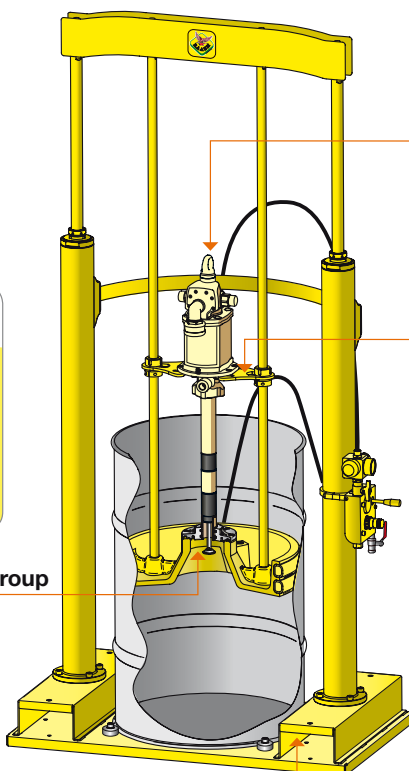
- 1 Ball cock for air bleeding during followerplate setting on new drum
- 2 Optional connection to pump outlet for pump starting and air bleeding when using a new drum
- 3 Air hose connection for follower plate lifting



References to centre the drum

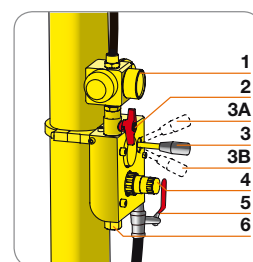


Conical follower plate and bottom pumping group



Pump feeding air inlet

Support with pump positioning clamps



- 1 Pressure regulator with manometer for pump air feeding
- 2 Pump air feeding ball cock
- 3A Follower plate and pump lifting position
- 3 Off position
- 3B Follower plate descent position
- 4 Pressure regulator with manometer for twin column ram air feeding
- 5 Ball cock to put air under the follower plate for pump lifting
- 6 Air inlet connection

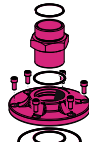
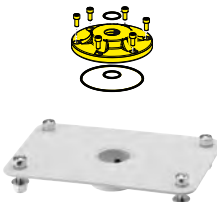


Technical features

Follower plate ø 585 mm with double sealing **NBR** ring, to be used with air operated twin column ram for drums 180 - 220 Kg, for grease or high viscosity fluid.



The follower plate can be used with different kind of pumps thanks to special adaptors shown in the below list and available on request.

Article		Description
Art. 11/60		Follower plate ø 585 mm with double o-ring in NBR
Art. 21/61		Adaptor suitable for pumps with F 1"G suction tube
Art. 21/62		Adaptor suitable for pumps with F 2"G suction tube
Art. 21/64		Adaptor suitable for pumps with ø 45 mm suction tube
Art. 21/65		Adaptor suitable for pumps with ø 50,8 mm suction tube
Art. 21/63		Adaptor + Support (KR1102) suitable for pumps with ø 30 mm suction tube Grease pumps Series 600 - 700



Twin column ram: PERSONALIZED KIT

In order to satisfy any particular need it is possible to create one's personalized kit choosing pump, follower plate, adaptors and support. We suggest you to look at the information explained in the following pattern.

1 Twin column ram



Art. 10/85

2 Pumps

Choose the industrial pump with technical features (pressure ratio, flow rate, etc.) suitable for one's needs.



Article	150D/61	180D/81	90F/111	115F/181	90FSP/451	115FSP/751	118FSP/401	153FSP/701
Series	1500	1800	900	1200	900	1200	1200	1500
Ratio	6:1	8:1	11:1	18:1	45:1	75:1	40:1	70:1
Flow rate	80 l/min	65 l/min	30 l/min	23 l/min	4400 g/min	4400 g/min	10000 g/min	7000 g/min
Seals	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane	polyurethane
Suct. tube	-	-	-	480 mm	500 mm	500 mm	600 mm	600 mm

3 Follower plate



Art. 11/60

4 Adaptors

Choose the adaptor to be mounted on follower plate 0AZ1160 which must fit pump's suction tube diameter.

Art.
21/61



Art.
21/62



Art.
21/63



Art.
21/64



Art.
21/65





Product customisation



RAASM offers its customers the opportunity of ordering the products included in its range in different colours **among the 6 made available**.

They can be requested by customers **without minimum quantity requirements, or extra costs, choosing from the 5 additional colours to the standard colour** (RAASM green).

Customisation is characterised exclusively by the colour and **does not include:** instruction handbooks, labels, brands, etc.

Delivery times can vary with respect to standard colour products (RAASM green).

The above-mentioned customisation does not include the brake bleeders, pit and floor drainers, air-operated pumps, trolleys, service columns and accessories.

Requests for different colours, in addition to those made available, or other types of customisation, must be appraised from time to time and will be tied to minimum quantities and additional costs

STANDARD COLOURS

Products for which a customised colour is not specified, are understood to be supplied with the standard colour as per the catalogue.

STANDARD



RAL 7035



To order an article with a colour **different from standard**, among the six made available, it is necessary to add the following to the article number

the suffix: /**GREEN** for green
 /**C1** for neutral
 /**C2** for yellow
 /**C4** for red
 /**C5** for blue

RAASM
Ral 7035
Ral 1004
Ral 3020
Ral 5002

OPPORTUNITY

RAASM offers its customers the opportunity of ordering articles in 4 different colours besides the standard one.

STANDARD



RAL 7035



RAL 1004



RAL 3020



RAL 5002





APPARECCHIO SPURGOFRENI E FRIZIONI A 2 CAMERE
TWO-CHAMBER BRAKE-CLUTCH BLEEDING DEVICE

The diagram illustrates the assembly of a two-chamber brake-clutch bleeding device. The main components and their part numbers are as follows:

- Top Assembly:** KR1004, V475, KG007, H075, O001, H059, I108, KR1005, S105, S201, H066, KR1001.
- Funnel and Hose:** S505, 10801.
- Main Body:** KR1006, KC516.
- Bottom Assembly:** H059, H199, S216, H057, S415, KR1011, KR1003.

The seal kit (e.g. KR1050) includes all the seals used in the article.
This kit is not mentioned or shown in the exploded view.

CODICE CODE	DESCRIZIONE DESCRIPTION	Q.TÀ QTY
KR1006	MEMBRANA CON SET DI VITI MEMBRANE WITH SET OF SCREWS	1
KR1050	KIT GUARNIZIONI COMPLETO COMPLETE GASKETS KIT	1
S105	MANOMETRO ø 50 mm GAUGE ø 50 mm.	1

Clearly, a KS cannot be shown in the exploded view



General sales terms



Reserved exclusively for the foreign market

Art. 1 : DELIVERY OF GOODS

The goods are only forwarded ex factory, by means of the carrier specified by the customer and, in any case, travel at the customer's risk and hazard.

Art. 2 : ORDERS

Orders for amounts of less than Eur 1500,00 (one thousand five hundred Euro) are not accepted. Whenever the execution of orders for amounts of less than Eur 1500,00 becomes essential, Eur 155,00 shall be charged for partial refund of our administrative costs.

Art. 3 : ACCESSORIES

All the accessories given in the price list (plugs, oil bar taps, oil guns, grease guns, probes, etc.) are supplied exclusively for fitting to or combining with the articles we produce.

Art. 4 : COMPLAINTS

Any complaint for shortages, errors or defects, noticed by a first exam of the goods, must be sent in writing to our Head office within 8 days of receiving the goods. Any defect of the product that is possible to notice only by using must be sent in writing to our Head office within 8 days from its discovering.

Art. 5 : DELIVERY TERMS

The delivery dates are always approximate. Possible delays in delivery do not give the customer any right to cancel the order or to claim ensuing damages. Urgent cases are subject acceptance by the Firm. The Firm has the right not to execute the order and to execute it fully or partially, without any claims or claims for damage being made towards the Firm.

Art. 6 : PACKS AND PACKAGING

Packaging costs are included in the price, except for special packing, which shall be charged at cost.

Art. 7 : PRICES

The current Price list cancels the previous price list. In the event of changes to our price list and/or individual articles, the goods shall be forwarded at the price in force on the day of delivery. The price-list and/or the prices of individual articles can be changed even without notice, according to the changes in market conditions or technical innovations/modifications made to the product. The prices are understood to be ex our Factory.

Art. 8 : PAYMENTS

Payments must be made exclusively to RAASM S.p.a. at the agreed conditions. Deductions or rounding off shall in no case be accepted. In the event of late payment with respect to the agreed conditions, the firm reserves the right to charge interest at the current rate and additional costs, starting from the day after that agreed on for payment. Discounts subject to payment already credited shall be re-charged.

Art. 9 : WARRANTY

RAASM S.p.a. provides every product with its manual, giving installation and maintenance instructions and indications about the controls that should be made. The warranty shall cover any defect due to material or manufacture procedure within validity and prescription terms fixed by the law, and, in this case, the only charge shall be of Eur 10,00. The guarantee will lapse in case of incorrect installation, operation or maintenance of the products. The articles must be returned free to our Factory for checking and acceptance. All technical information, drawings, illustrations etc. are supplied for guidance only. The company reserves the right to amend any design or specification without prior notice.

Art. 10 : RESPONSABILITY

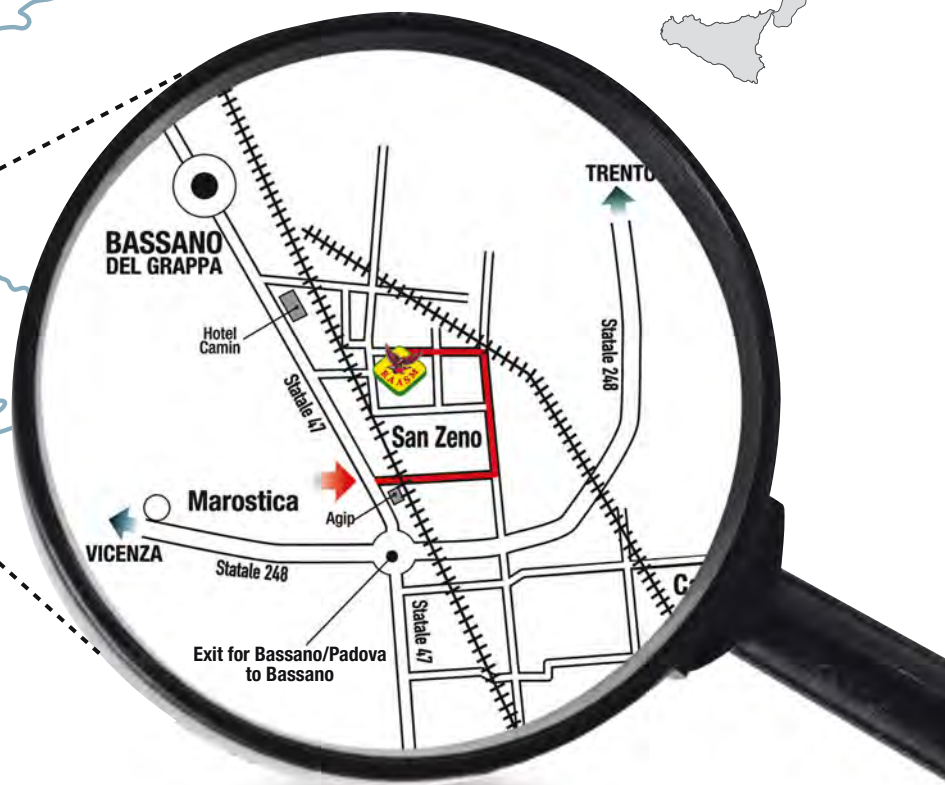
RAASM S.p.a. is relieved of all responsibility and obligations for any accident to persons and things that can occur due to or during use of the equipment, or caused by and in connection with the equipment.

Art. 11 : COMPETENT LAW COURT

These conditions of sale shall be governed by and construed with Italian law, and any disputes shall be settled by the law-court of Bassano del Grappa (VI), Italy.



How to reach RAASM



by plane

With regular flights, the nearest airports are those Venice Tesserà, Verona Villafranca and Treviso.

- **FROM VENICE TESSERA**
Bassano can be reached by train:
Venice - Padova - Cittadella
Bassano del Grappa.
- **FROM VERONA VILAFRANCA**
Bassano can be reached by train:
Dossobuono - Verona - Vicenza
Cittadella - Bassano del Grappa.
- **FROM TREVISO**
Bassano can be reached by train:
Treviso - Castelfranco - Cassola.



by train

RAASM can be reached also by train, getting off at Bassano del Grappa station.

- **BOLZANO:** Bolzano - Verona
Vicenza - Cittadella - Bassano del Grappa.
- **MILAN:** Milan - Verona - Vicenza
Cittadella - Bassano del Grappa.
- **BOLOGNA:** Bologna - Padova
Cittadella - Bassano del Grappa.
- **TRIESTE - UDINE:** Trieste - Udine
Codroipo - Treviso - Castelfranco
Bassano del Grappa.

**RAASM is approx. 3 km
from the Train Station.**



by own transport

Arriving by car from the north or west, with Verona as the reference point take the A4 Motorway towards Vicenza - Valdagno. At the Dueville exit head for Bassano del Grappa.

If arriving from the south, with Padova as the reference point take State Road 47 towards Cittadella Bassano del Grappa.



Notes

Spiral-bound notebook page with horizontal lines for writing.



RAASNI

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Moreover, the manufacturer reserves the right to bring about any technical-functional and design change or improvement, without any previous notice and with the utmost operational freedom.

FLUIDS AND LUBRICATION EQUIPMENT

RAAS



THREE WORDS TO DESCRIBE RAASM

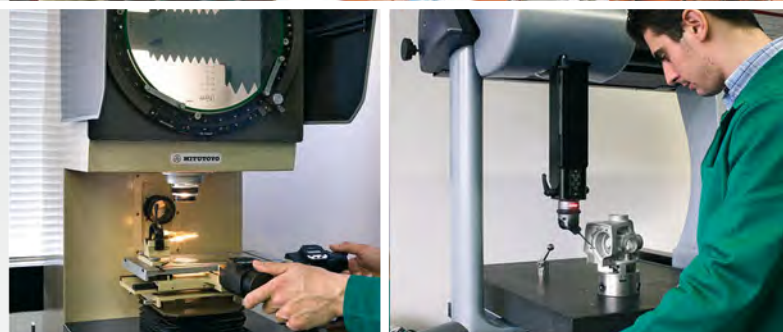
■ Technology

The starting point for the entire production cycle is the research and development of cutting-edge new solutions which lead to the development of **high quality products, fully produced in Italy.**



■ Quality

The quality of our product manufacturing has always been our absolute priority. To reach this goal rigorous testing accompanies every phase of the manufacturing process.



■ Functionality

RAASM offers the most complete range of lubrication products suited to many sectors. Our aim is to always be available to provide solutions to our customers.



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Authorized distributor

WRCA219-GB



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TROLLEY-MOUNTED HOSE REELS

N° 222-AC

Work safely,
move with ease



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

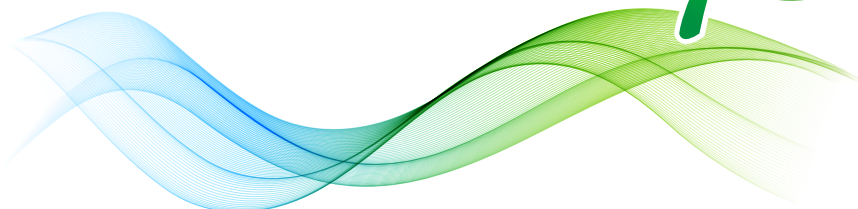




HELP THE NATURE

Packaging contains, depending on the articles, one or more of the following materials; they must be recycled in accordance with current regulations in the country of use.

cardboard • polyethylene sack • polystyrene
paper • wood • nails • plastic strap
cellophane • clips • gummed paper





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



DESIGN IS AN

Art





founded in 1975



*the human side
of Quality*



strong points



- Security system that **prevents the handle rotation** while the hose unreels, thus avoiding accidental damages to people or things.
- **Fold-in handle** as standard reduces the dimensions of the hose reel and simultaneously increases safety during use and movement.
- **Rotation lock** as standard eliminates the risk of involuntary drum rotation.
- **Trolley brake** as standard automatically locks the trolley when stationary.
- **Hose guide** as standard makes winding easy.
- **AISI 304 or AISI 316 stainless steel** version for particularly aggressive environments.
- **Max reel capacity.** The spring absence allows for the maximum utilization of the drum space.



Why choose a trolley-mounted hose reel?

It's the ideal solution for the following situations:

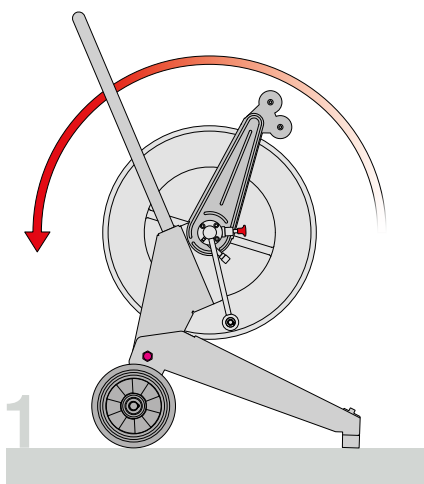
- if there's no free space on the wall or on the ceiling
- if you have to save money in order to the hose reels installed, moving one in more working points
- if you need to be closer to the working point

TROLLEY USE

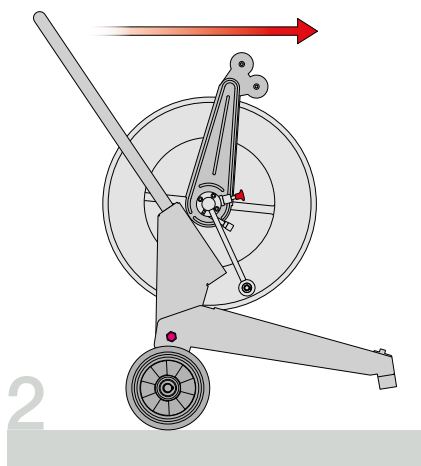
Stop & go



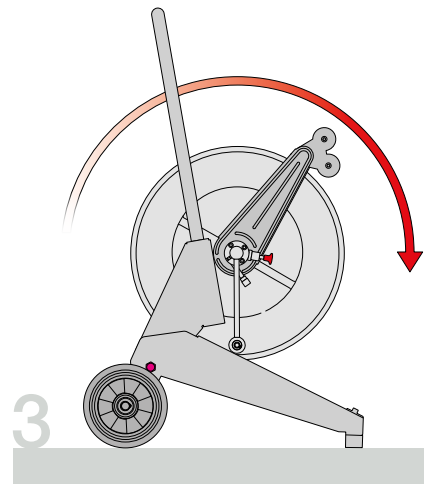
We advise activating the drum lock and folding in the handle while moving the trolley.



1
Tilt the handle downward: the super block system is automatically deactivated, but the trolley is still touching the ground.



2
Tilt the handle further back and move the trolley in the desired direction.



3
Slowly release the handle until the trolley is resting completely on the ground: the super block system is activated automatically.

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SAFETY SYSTEM

The handle rotation lock system, designed by RAASM, allows you to work without any concerns

arms with hose guide as standard make unrolling easier and more orderly

super BLOCK

is the automatic trolley brake created by RAASM for the stationary position

drum rotation lock as standard

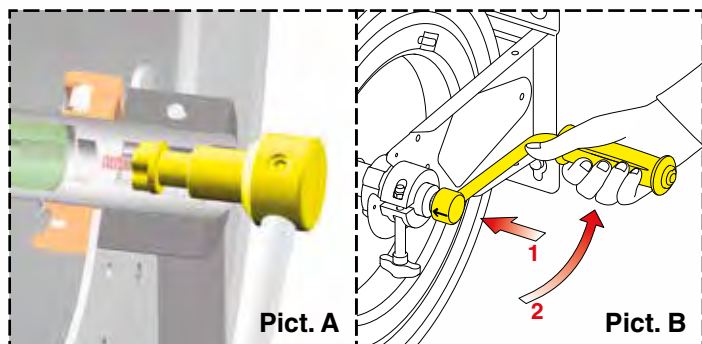
fold-in **handle** as standard. Reduces dimensions and increases safety in one simple gesture.





Series 530-540-560

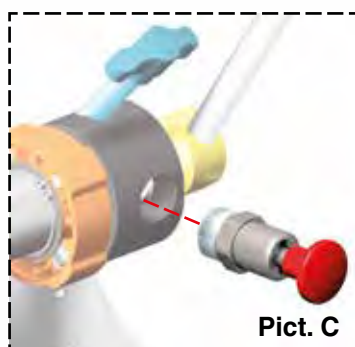
TECHNICAL CHARACTERISTICS



SECURITY SYSTEM

The hose reel is designed with a new security system that allows the handle to stay in place, avoiding the rotation during the manual hose unreeling (Picture A).

To rewind the hose, use the handle as follows (Picture B):
1 press on the knob that connects the handle to the drum
2 rotate handle counterclockwise



ROTATION LOCK (Picture C)
 This special device stops any drum movement.

A

REGULATION CLUTCH

Allows to regulate the drum rotation speed during the hose unwinding.

B

SUPER BLOCK

Is the automatic trolley brake created by RAASM for the stationary position.

C

“STOP & GO” TROLLEY

Durable and user-friendly, it allows quick movement of the hose winder for operation in different work environments with the same equipment.

D

CENTRAL PIN

Available, depending on model, in galvanized steel or in stainless steel AISI 304 or AISI 316. Suitable to work with different kinds of fluids and with passages sized to avoid pressure losses.

E

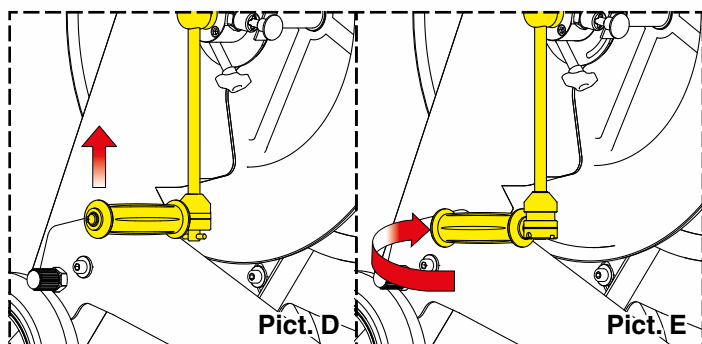
DRUM SUPPORT BUSHINGS

Drum support bushings in Tenaxid, self lubricating material resistant against corrosion.

F

SWIVEL JOINT

Designed with the ideal internal dimensions to guarantee the most possible flow. It is realized, depending on the model, in brass, AISI 304 or AISI 316 stainless steel, with seals in Viton® and Teflon®.



FOLD-IN HANDLE

The fold-in handle featured as standard on the trolley-mounted hose reels, can be used to reduce dimensions and increase safety.

Instructions for use:

Pict. D Push the handle upwards

Pict. E Rotate the handle right or left to fold it in.

To restore the handle's starting position push the handle upwards and turn it 90°.

**G****DRUM**

Sturdy and practical, with beads to reinforce the structure and rounded border. Available in painted steel or AISI 304 and AISI 316 stainless steel.

H**HOSE GUIDE**

This accessory is provided as standard and guides the hose for orderly and correct winding. It is equipped with horizontal rollers that reduce wear of the hose.

F**E****D****C****A****B**



Hose reel Series 530

Manual trolley-mounted



The dimensions of the **530 Series manual trolley-mounted hose reels** guarantee ample rewinding length while maintaining a lightweight and versatile product.



Comfortable and safe



Note: All the hose reels in the table are without hose

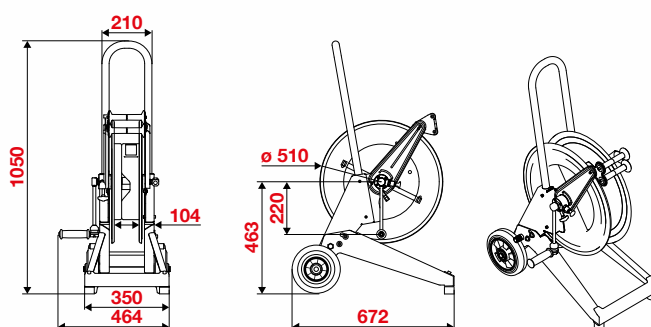
TROLLEY-MOUNTED	GALVANIZED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
DRUM	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	236530.100	246532.100	-	F 1/2" G	F 1/2" G
Water max 130 °C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	236530.200	246534.200	256535.200 *	F 1/2" G	F 1/2" G
Water max 130 °C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	236530.300	246534.300	256535.300 *	F 3/8" G	F 1/2" G
Water max 130 °C 400 bar - AISI 304 stainless steel swivel joint - Teflon® seals	236530.350	246534.350	256535.350 *	F 3/8" G	F 1/2" G

* AISI 316 stainless steel swivel joint

HOSE REEL CAPACITY

EXTERNAL HOSE Ø			SERIES 530
	1/4"	14 mm	Length max 60 m
	3/8"	17 mm	Length max 35 m
	1/2"	20 mm	Length max 25 m
	5/8"	21 mm	Length max 18 m
	3/4"	27 mm	Length max 15 m
	1"	34 mm	Length max 7 m

OVERALL DIMENSIONS (mm)



The hoses to be assembled on the hose reels must be suitable for the working pressures specified on the label.

N° 1 packing m³ 0,28 26 kg



Hose reel Series 540

Manual trolley-mounted



The manual hose reel **Series 540** is an efficient and simple solution to the handling of flexible hoses even up to 1".



Lighter and more manegeable



Note: All the hose reels in the table are without hose

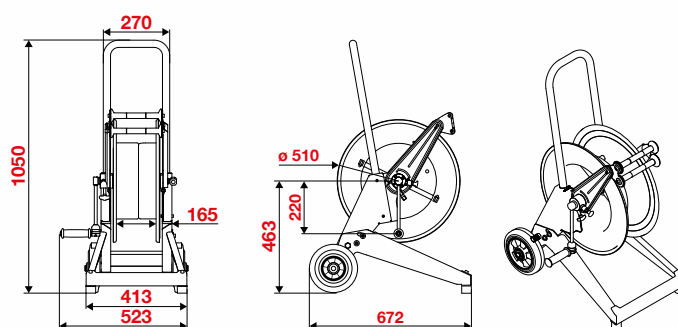
TROLLEY-MOUNTED	GALVANIZED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
DRUM	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	236540.100	246542.100	-	F 1" G	F 1" G
	236540.105	246542.105	-	F 1/2" G	F 1/2" G
Water max 130 °C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	236540.200	246544.200	256545.200 *	F 1" G	F 1" G
	236540.205	246544.205	256545.205 *	F 1/2" G	F 1/2" G
Water max 130 °C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	236540.300	246544.300	256545.300 *	F 3/8" G	F 1/2" G
Water max 130 °C 400 bar - AISI 304 stainless steel swivel joint - Teflon® seals	236540.350	246544.350	256545.350 *	F 3/8" G	F 1/2" G

* AISI 316 stainless steel swivel joint

HOSE REEL CAPACITY

EXTERNAL HOSE Ø		SERIES 540
 1/4"	14 mm	Length max 110 m
 3/8"	17 mm	Length max 60 m
 1/2"	20 mm	Length max 45 m
 5/8"	21 mm	Length max 25 m
 3/4"	27 mm	Length max 20 m
 1"	34 mm	Length max 15 m

OVERALL DIMENSIONS (mm)



The hoses to be assembled on the hose reels must be suitable for the working pressures specified on the label.

N° 1 packing m³ 0,28 29 kg



Hose reel Series 560

Manual trolley-mounted



Amongst the manual trolley-mounted hose reels types, the **Series 560 is the most spacious**. Regardless of its strength, the simple operation is maintenance free.

✓ **Max capacity**



Note: All the hose reels in the table are without hose

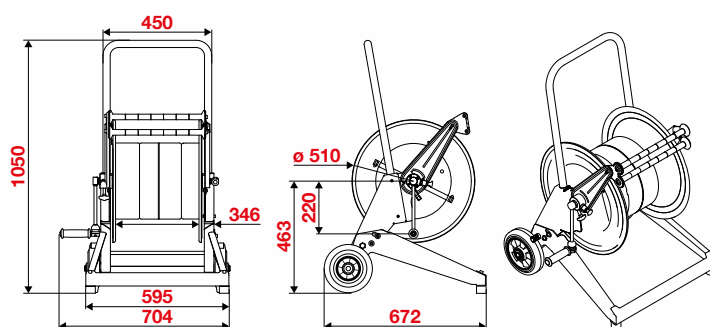
TROLLEY-MOUNTED	GALVANIZED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	Connection	
DRUM	PAINTED STEEL	AISI 304 S. STEEL	AISI 316 S. STEEL	inlet	outlet
Air - Water 20 bar - brass swivel joint - Viton® seals	236560.100	246562.100	-	F 1" G	F 1" G
	236560.105	246562.105	-	F 1/2" G	F 1/2" G
Water max 130 °C 100 bar - AISI 304 stainless steel swivel joint - Viton® seals	236560.200	246564.200	256565.200 *	F 1" G	F 1" G
	236560.205	246564.205	256565.205 *	F 1/2" G	F 1/2" G
Water max 130 °C 200 bar - AISI 304 stainless steel swivel joint - Viton® seals	236560.300	246564.300	256565.300 *	F 3/8" G	F 1/2" G
Water max 130 °C 400 bar - AISI 304 stainless steel swivel joint - Teflon® seals	236560.350	246564.350	256565.350 *	F 3/8" G	F 1/2" G

* AISI 316 stainless steel swivel joint

HOSE REEL CAPACITY

EXTERNAL HOSE Ø		SERIES 560
 1/4"	14 mm	Length max 200 m
 3/8"	17 mm	Length max 120 m
 1/2"	20 mm	Length max 85 m
 5/8"	21 mm	Length max 60 m
 3/4"	27 mm	Length max 45 m
 1"	34 mm	Length max 30 m

OVERALL DIMENSIONS (mm)



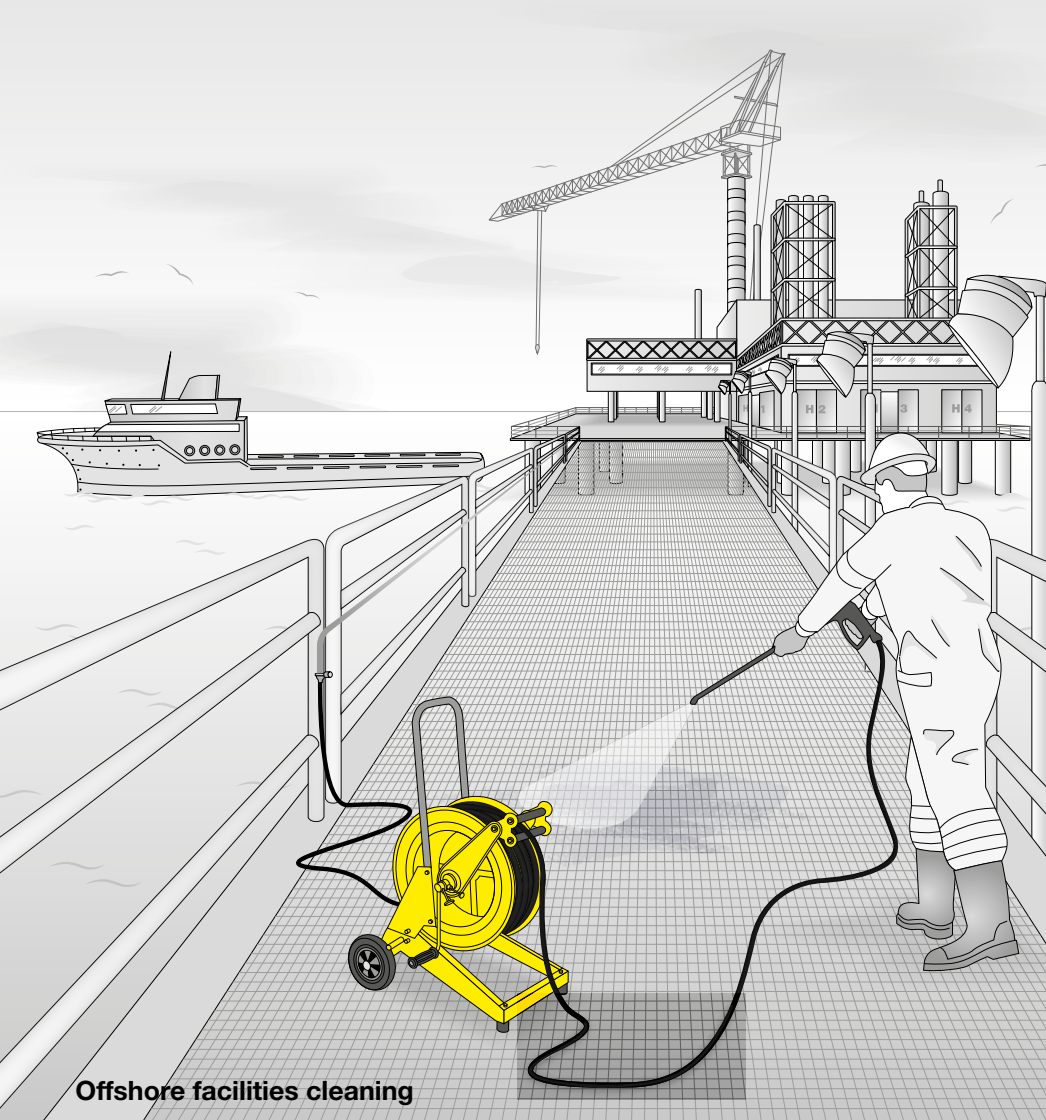
The hoses to be assembled on the hose reels must be suitable for the working pressures specified on the label.

N° 1 packing m³ 0,35 36 kg

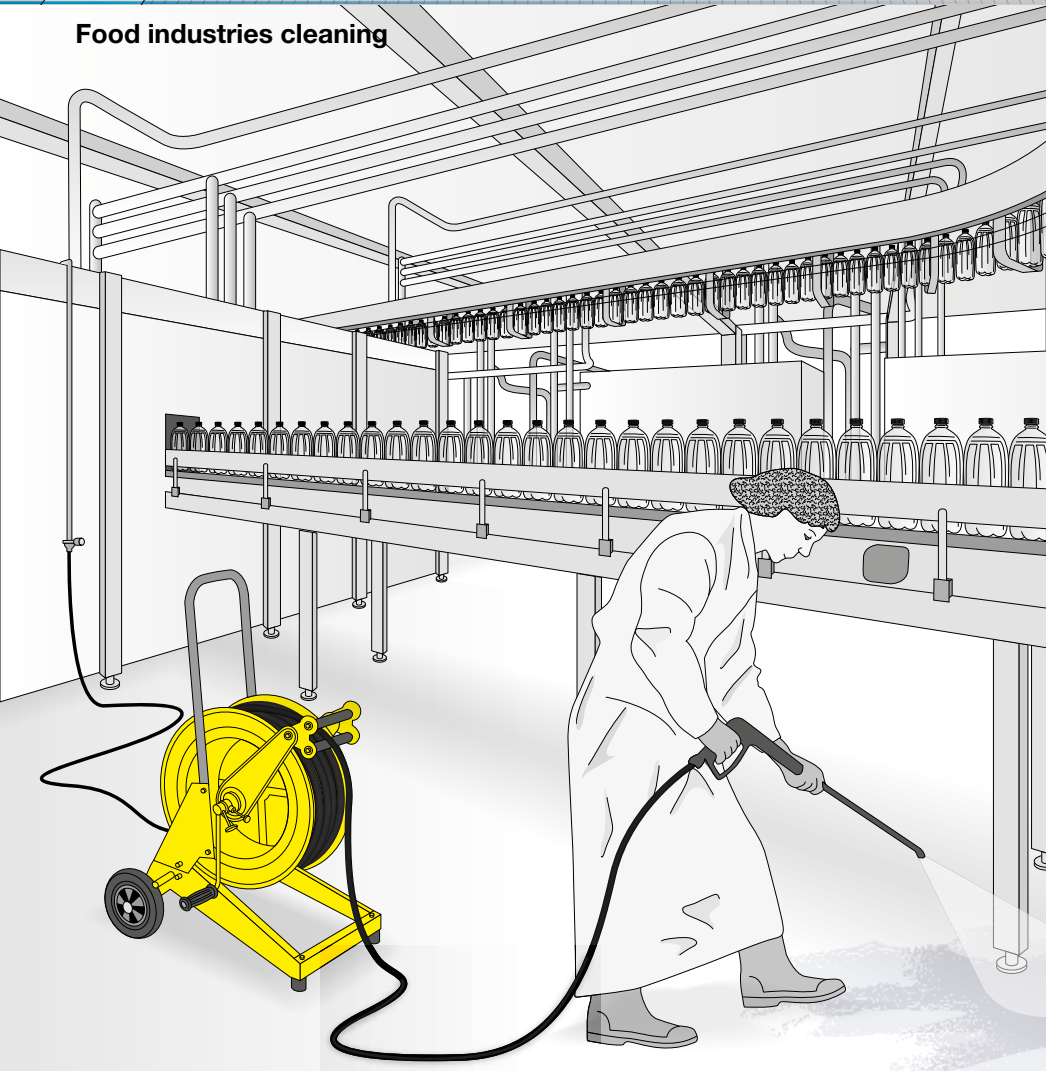


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MANAGEMENT SOLUTIONS**

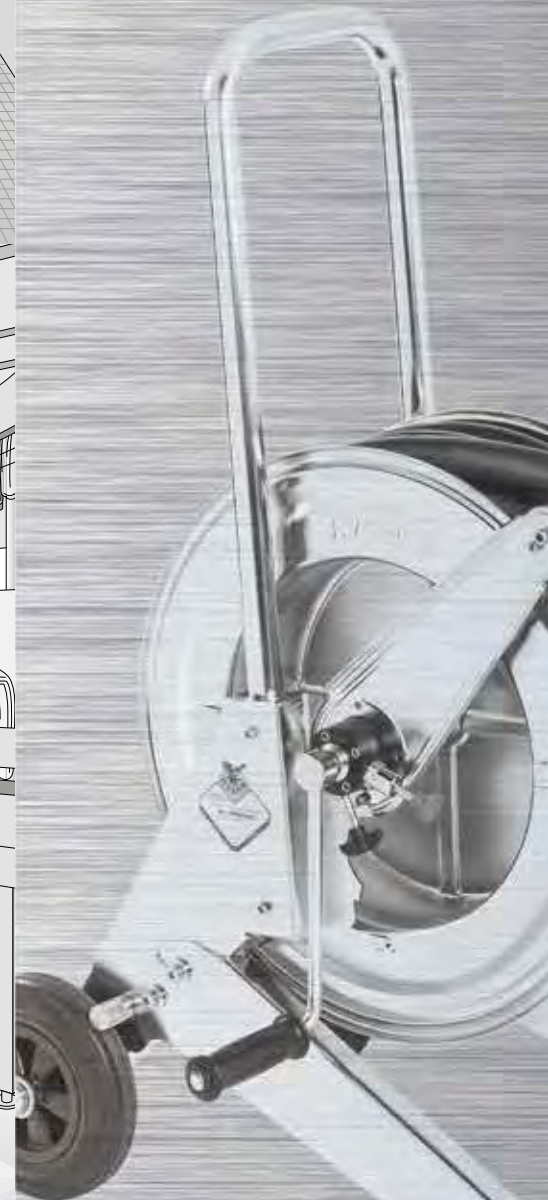
APPLICATION FIELDS



Offshore facilities cleaning



Food industries cleaning



Product customisation

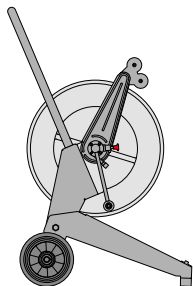
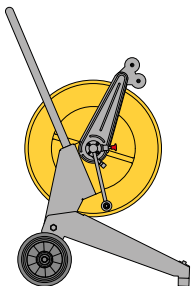
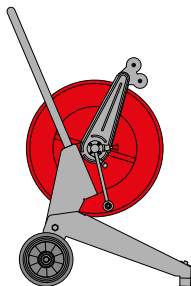
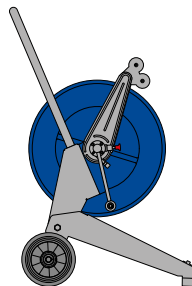


RAASM offers the opportunity to order 530, 540 and 560 series in **4 different drum colours**; depending on model the trolley could be in **galvanized steel, AISI 304 or AISI 316 stainless steel**. The customer **without the constraints of minimum quantity, nor additional costs**, can request the colour choosing from the proposed range.

This customization concerns only the colour and **does not include**: instruction booklets, labels, brands, etc. **Delivery times for the colour that is not standard may vary**. Different colours, in addition to those available or other customizations, must be valued each time and will be bound to minimum quantities and additional costs.

AVAILABLE COLOURS

The products for which a customized colour is not specified, are supplied with standard grey colour as per catalogue

STANDARD COLOUR	AVAILABLE COLOURS		
			
RAL 7035	RAL 1004	RAL 3020	RAL 5002

To order an item with a **different colour from the standard**, it is necessary to add the suffix:

/C2 for yellow colour **Ral 1004**

/C4 for red colour **Ral 3020**

/C5 for blue colour **Ral 5002**

RAASM products
are present worldwide through a network of
qualified dealers.





THREE WORDS TO DESCRIBE RAASM

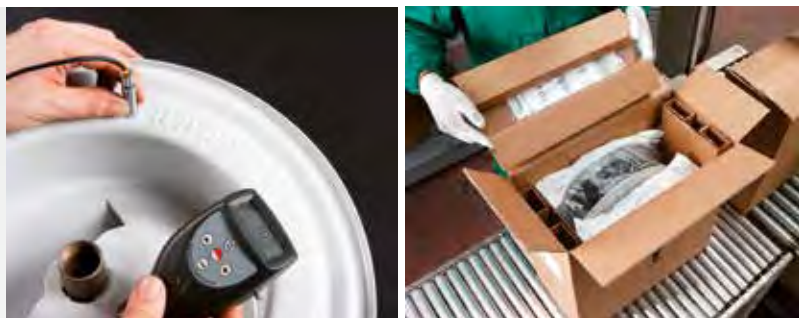
■ Technology

The starting point for the entire production cycle is the research and development of cutting-edge new solutions which lead to the development of **high quality products, fully produced in Italy.**



■ Quality

The quality of our product manufacturing has always been our absolute priority. To reach this goal rigorous testing accompanies every phase of the manufacturing process.



■ Functionality

RAASM offers the most complete range of lubrication products suited to many sectors. Our aim is to always be available to provide solutions to our customers.



Authorized distributor



RAASM S.p.A.
36022 S. ZENO DI CASSOLA (VI)
Via Marangoni, 33 - ITALY

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www.raasm.com

GB

WRCVVCAR2016-GB

HOSE REELS AND CABLE REELS

No. 223-AV



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

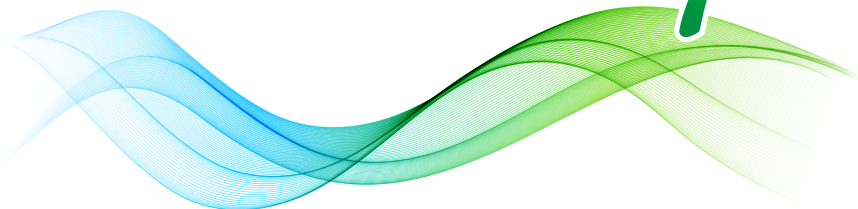




HELP THE ENVIRONMENT

Depending on the item, the packaging may contain one or more of the following materials - to be recycled according to local municipal or state regulations.

cardboard • polyethylene bag • polystyrene
paper • wood • nails • plastic straps
cellophane • paper clips • gummed paper





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



DESIGN IS

Art





founded in 1975



*the human side
of Quality*



CONCEPT, RESEARCH AND DESIGN

The real strength of a company lies in the ability of its concept and research departments to continuously find the solutions that best meet market demands.



ASSEMBLY LINES

Special equipment, expressly designed to facilitate assembly operations and which, at the same time, allows for effective, automatic quality control.

PACKAGING

The product is carefully packed with special cover to protect it from risks during transport.



COMPONENT STORAGE

Our vertical warehouses enable quick, precise preparation of components and spare parts for assembly and sale.



TECHNOLOGY
INNOVATION
QUALITY
SAFETY
RELIABILITY



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

TECHNICAL ASSISTANCE

RAASM has the most complete range of products for lubrication and fluid distribution. The goal is to always provide a comprehensive response to customer demands and fully meet their every need.





TO PREVENT:



BREAKAGE

The hose reel protects the hose against wear and possible breakage.



CLUTTER

With the hose reel, rewinding the hose is fast and safe, letting you keep the workplace tidy.



ACCIDENTS

The hose reel allows workers to operate in full safety, the equipment always ready for use.

THE HOSE REEL



TO IMPROVE:

✓ EFFICIENCY

The hose reel cuts down on wasted time, letting you set the equipment where and when you need it, organising the workplace to meet your needs and keeping it clean and functional.

✓ FLEXIBILITY

Thanks to slotted holes and quick coupling supports, the hose reel assembly is safe and easy. Designed to be mounted on the wall - with narrow or wide arm - on the workbench, ceiling or HEA beam.

✓ HOSE LIFE

All components in the hose reel have been tested to last for decades, thus guaranteeing long-term savings and compliance with a conscious, farseeing environmental protection policy.



HOW TO CHOOSE THE HOSE REEL

To choose the right hose reel, it is important to consider the following 4 characteristics. These must be stated when telephoning in your request to our sales-technical office.

1 What fluid will be used?

RAASM hose reels are compatible with any type of fluid. First check density, corrosiveness and flammability: we have hose reels that can handle any operating condition.
Below is a list of the main fluids that can be used.

Air	AdBlue®
Hot water	Oil-Water
High pressure water	Oil-Paints
Oil and similar	Welding
Grease	LPG
Diesel	Methane

2 What is the required operating pressure?

Knowing the operating pressure is a key element in choosing the correct model hose reel. Our product range can operate at pressures from 10 to 700 bar. Identify the pressure that best suits your needs depending on the type of fluid, application and size of the system used.

10 bar
20 bar
50 bar
70 bar
100 bar
150 bar
200 bar
400 bar
700 bar

3 What is the maximum hose length needed?

The wide range of models available lets you choose from lengths ranging from just a few metres to hundreds of metres long. This parameter is to be integrated with the choice of hose diameter.

4 What flow rate is required?

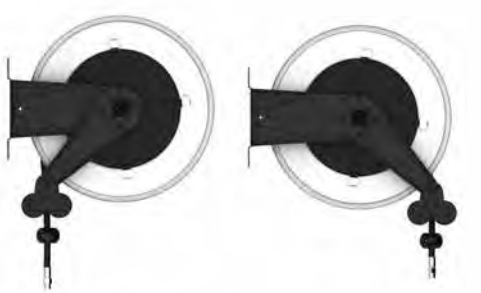
The diameter is very important as it determines the flow rate and the flow throughput. Together with length, this parameter limits the choice of the series of hose reel and determines the type of power supply.



HOW TO CUSTOMIZE THE HOSE REEL

The arms can easily be repositioned as needed to adapt the hose reel to the workplace. This operation is very simple and can be performed by the end user.

Standard installation



Floor or bench
installation



Ceiling installation



Depending on the material (ABS or painted steel), the drum can be customized with the following 4 colours. The brackets and arms will remain in the standard colour. To order an article in a colour other than the standard, the suffix indicated in the image below must be added to the code.

RAL 7035 

RAL 1004 

RAL 3020 

RAL 5002 

RAL 9005 



standard



/C2



/C4

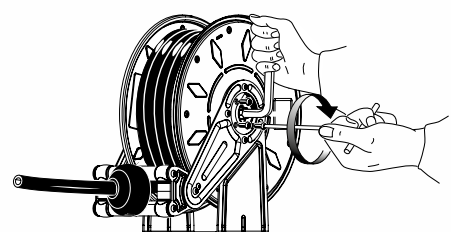
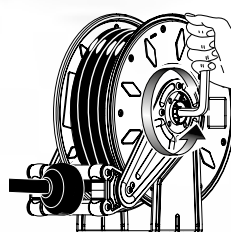
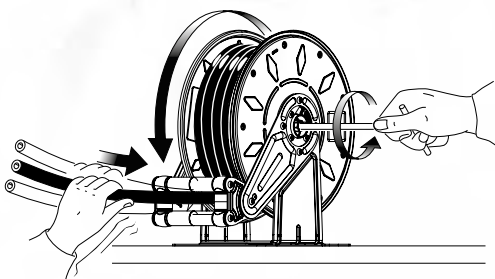


/C5



/R9005

The spring force can be customized according to the specific requirements of the application (ceiling installation, particularly heavy utilities etc.). By intervening on the bushing on the side of the drum and following the safety instructions given in the manual, the hose spring force can be easily increased or decreased.



PRODUCT FAMILIES INDEX

page	painted		s. steel 304 - 316	
	page	ABS page	page	ABS page

SPRING OPERATED OPEN HOSE REELS

ADVANTAGES AND TECHNICAL CHARACTERISTICS	14	-	-	-	-
AIR-WATER 10-20 bar	-	18		20	
HOT WATER 50-100 bar	-	22		24	
HOT WATER 200 bar	-	26		28	
HOT WATER 400-700 bar	-	30	-	32	-
HOT WATER 100-200-400 bar in AISI 316	-	-	-	34	
OIL AND SIMILAR 50-100-150 bar	-	36		38	
GREASE 400-600 bar	-	40		42	
DIESEL 10-20 bar	-	44		46	-
ADBLUE® 10-100 bar	-	48		48	
LPG-METHANE 20 bar	-	50	-	-	-
WELDING 20 bar	-	52	-	-	-
DOUBLE INLET-OUTLET	-	54	-	-	-
ACCESSORIES	78	-	-	-	-

SPRING OPERATED ENCLOSED HOSE REELS

ADVANTAGES AND TECHNICAL CHARACTERISTICS	56	-	-	-	-
AIR-WATER 20 bar	-	60		-	-
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GREASE 400 - 600 bar	-	60		-	-
FOR SUCTION OF OIL AND SIMILAR	-	60	-	-	-
ACCESSORIES	78				

SPRING OPERATED HOSE REELS WITH POLYURETHANE HOSE

ADVANTAGES	62	-	-	-	-
TECHNICAL CHARACTERISTICS S. 250-288-328-378-438	64	-	-	-	-
AIR-WATER 20 bar	-	66		-	-
TECHNICAL CHARACTERISTICS CASING S. 260-280	68	-	-	-	-
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TECHNICAL CHARACTERISTICS CASING S. 250-300	72	-	-	-	-
AIR-WATER 20 bar	-	74	-	74	-
ACCESSORIES	78	-	-	-	-





page	painted		s. steel 304 - 316	
	page	ABS page	page	ABS page

MANUAL HOSE REELS

ADVANTAGES AND TECHNICAL CHARACTERISTICS	84	-	-	-	-
AIR-WATER 20 bar	-	92		94	
HOT WATER 70-100-200-400 bar	-	96		98	
OIL AND SIMILAR 150 bar	-	100		102	
GREASE 600 bar	-	104		106	
DIESEL 20 bar	-	108		110	
ACCESSORIES	120	-	-	-	-

MANUAL TROLLEY-MOUNTED HOSE REEL

ADVANTAGES AND TECHNICAL CHARACTERISTICS	112	-	-	-	-
AIR-WATER 20 bar	-	116	-	120	-
HOT WATER 100 bar	-	116	-	120	-
HOT WATER 200 bar	-	116	-	120	-
HOT WATER 400 bar	-	116	-	120	-
ACCESSORIES	120	-	-	-	-

MOTORIZED HOSE REELS

ADVANTAGES AND TECHNICAL CHARACTERISTICS	122	-	-	-	-
AIR-WATER 20 bar	-	126	-	-	-
HOT WATER 70-100 bar	-	128	-	130	-
OIL AND SIMILAR 70-150 bar	-	132	-	-	-
GREASE 400 bar	-	134	-	-	-
DIESEL 20 bar	-	136	-	-	-
ACCESSORIES	138	-	-	-	-

HOSES, STOPS AND FITTINGS

	139	-	-	-	-
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SPRING OPERATED ELECTRIC CABLE REELS

ADVANTAGES AND TECHNICAL CHARACTERISTICS	146	-	-	-	-
S. 280 EXTENSION CORD - 230 V SINGLE PHASE	150	-	-	-	-
S. 280 EXTENSION CORD - 400 V THREE PHASE	152	-	-	-	-
S. 280 EXTENSION CORD WITH SCHUKO PLUG AND SOCKET - 230 V SINGLE PHASE	154	-	-	-	-
S. 280 EXTENSION CORD WITHOUT TRANSFORMER FLUORESCENT LAMP - 230 V SINGLE PHASE	158	-	-	-	-
S. 280 EXTENSION CORD WITHOUT TRANSFORMER LED LAMP - FROM 12 V TO 24 V AC/DC	160	-	-	-	-
S. 280 EXTENSION CORD WITH LED LAMP WITH TRANSFORMER - 230 V AC/DC	162	-	-	-	-
FLUORESCENT AND LED LAMP	164	-	-	-	-
EARTHING CABLE REELS	166	-	-	-	-

ARTICLES INDEX

170

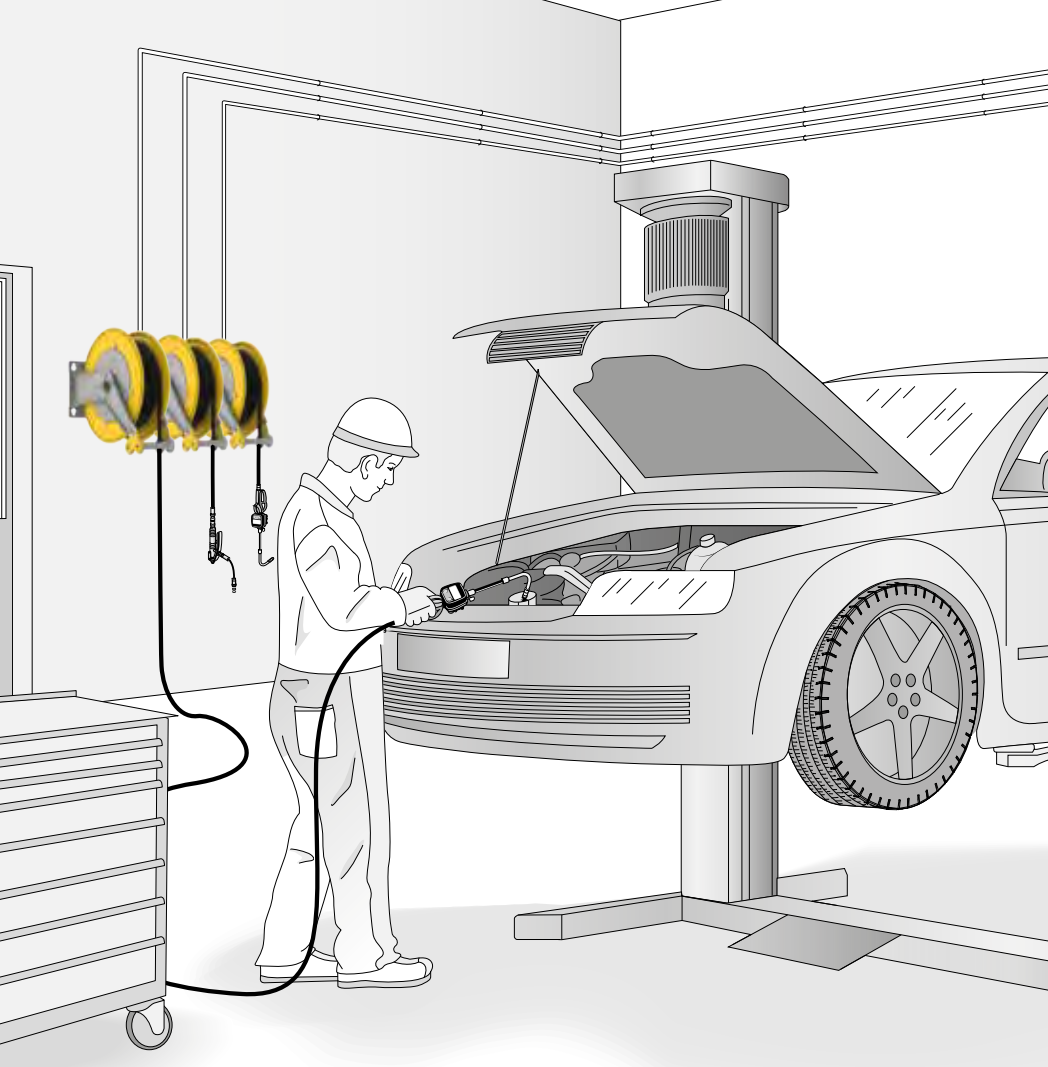


**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED OPEN HOSE REELS



EXAMPLES OF **USE**



IN-SHOP MAINTENANCE OPERATION

HYGIENIC AND SANITARY WASHING OPERATIONS



AUTOMOTIVE

LUBE
TRUCKS AND
INDUSTRIAL
VEHICLES

CLEANING

CHEMICAL
INDUSTRY

BUILDING
AND ROAD
CONSTRUCTION

...and much more



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED OPEN HOSE REELS



STRENGTH POINTS

- Repeated spring stress-tests guarantees decades of life and efficiency.
- All models comply with the ATEX directive for use in environments with potentially explosive atmospheres.
- Hose stop available for all standard models, even those supplied without hose.
- The spring force is both constant and adjustable. Thus use can be fine-tuned to the specific needs of each application.
- All sliding parts, such as bushing and the rack, are made of special technopolymers tested for long-term use.
- Compatible with many types of fluids, even highly corrosive fluids.

TECHNICAL CHARACTERISTICS

Visit our
website



FIXING BRACKET

Has 4 slotted holes for safe, easy installation.

PAWL

Easy to remove for maintenance or when the work requires free sliding.

STOP RACK

Makes it possible to lock the hose around every 0,5 m.

SPRING

Tested to withstand over 20000 work cycles.

MULTI POSITION ARMS

Hose outlet position can be changed manually by modifying installation of the arms.

HOSE GUIDE

Designed with ample width and roller arrangement to reduce wear on the hose.

CENTRAL PIN

Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.

DRUM SUPPORT BUSHING

Made of self-lubricating technopolymer with excellent wear and corrosion resistance.

SWIVEL JOINT

Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.



Type of fluid
AIR-WATER

Pressure
20 bar

Material
- PAINTED STEEL
- ABS

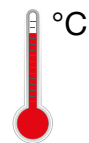
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 100 °C



In accordance with directive

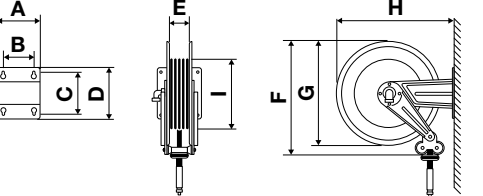


* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted
ABS

Hoses	Connections	Seals	Swivel joint	Central pin
black rubber	galvanized steel	Viton®	brass	galvanized steel

Overall dimensions FIXED (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
				290	186	140	196	226	98	330	300	339	135		470 x 260 x 490	
				330	186	140	196	226	98	390	350	365	155		510 x 260 x 520	
				390	186	140	196	226	98	410	390	410	155		580 x 280 x 590	
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590	
				430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590	
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700	
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690	
				560	488	399	238	272	348	535	510	578	315		670 x 610 x 760	

Overall dimensions SWIVELLING (mm)					Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
					390	184	146	106	144	98	410	390	482	155		580 x 280 x 590	
					430	208	162	118	164	97	450	415	540	264		580 x 280 x 590	
					530	228	182	154	200	104	535	510	642	315		650 x 290 x 700	
					540	300	218	227	268	165	535	510	700	315		660 x 390 x 690	

(W: width - D: depth - H: height)



	P/N		Hose supplied	Connection		Weight	
	fixed	swivelling		inlet	outlet	fixed	swivelling
s. 290	8290.100	-	without hose *	G 3/8" (f)	G 3/8" (f)	10,0 kg	-
	8290.101	-	10 m - 3/8" (995.210)	G 3/8" (f)	G 3/8" (m)	12,0 kg	-
	8290.104	-	15 m - 1/4" (993.215)	G 3/8" (f)	G 1/4" (m)	12,0 kg	-
* Hose reel capacity		inner hose Ø max. length	1/4" 16 m 5/16" 14 m 3/8" 10 m				
s. 330	8330.100	-	without hose *	G 3/8" (f)	G 3/8" (f)	11,2 kg	-
	8330.101	-	12 m - 3/8" (995.211)	G 3/8" (f)	G 3/8" (m)	13,5 kg	-
* Hose reel capacity		inner hose Ø max. length	1/4" 18 m 5/16" 16 m 3/8" 14 m 1/2" 12 m				
s. 390	8390.100	8380.100	without hose *	G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
	8390.102	8380.102	18 m - 3/8" (995.217)	G 3/8" (f)	G 3/8" (m)	16,0 kg	16,5 kg
* Hose reel capacity		inner hose Ø max. length	1/4" 20 m 5/16" 20 m 3/8" 18 m 1/2" 15 m				
s. 430	8430.100	8420.100	without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8430.101	8420.101	12 m - 3/8" (995.212)	G 1/2" (f)	G 3/8" (m)	18,7 kg	19,2 kg
	8430.102	8420.102	18 m - 3/8" (995.218)	G 1/2" (f)	G 3/8" (m)	19,5 kg	20,0 kg
	8430.103	8420.103	10 m - 1/2" (996.210)	G 1/2" (f)	G 1/2" (m)	19,2 kg	19,7 kg
	8430.104	8420.104	15 m - 1/2" (996.215)	G 1/2" (f)	G 1/2" (m)	20,2 kg	20,7 kg
	8430.150	-	without hose **	G 1" (f)	G 3/4" (f)	17,0 kg	-
Hose reel capacity		inner hose Ø max. length	* 5/16" 20 m 3/8" 20 m 1/2" 16 m 5/8" 14 m		** 5/8" 14 m 3/4" 8 m		
s. 430 ABS	9430.100	-	without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
	9430.101	-	12 m - 3/8" (995.212)	G 1/2" (f)	G 3/8" (m)	15,2 kg	-
	9430.102	-	18 m - 3/8" (995.218)	G 1/2" (f)	G 3/8" (m)	16,0 kg	-
	9430.103	-	10 m - 1/2" (996.210)	G 1/2" (f)	G 1/2" (m)	15,7 kg	-
	9430.104	-	15 m - 1/2" (996.215)	G 1/2" (f)	G 1/2" (m)	16,7 kg	-
* Hose reel capacity		inner hose Ø max. length	5/16" 20 m 3/8" 20 m 1/2" 15 m 5/8" 14 m				
s. 530	8530.100	8520.100	without hose *	G 1/2" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8530.101	8520.101	20 m - 1/2" (996.220)	G 1/2" (f)	G 1/2" (m)	26,5 kg	27,5 kg
	8530.102	8520.102	25 m - 1/2" (996.225)	G 1/2" (f)	G 1/2" (m)	27,3 kg	28,3 kg
	8530.150	-	without hose **	G 1" (f)	G 1" (f)	22,0 kg	-
Hose reel capacity		inner hose Ø max. length	* 3/8" 25 m 1/2" 25 m 5/8" 22 m 3/4" 12 m 1" 8 m		** 3/4" 12 m 1" 8 m		
s. 540	8540.100	8550.100	without hose *	G 1" (f)	G 1" (f)	28,0 kg	33,5 kg
	8540.101	8550.101	15 m - 3/4" (997.215)	G 1" (f)	G 3/4" (m)	35,0 kg	40,5 kg
	8540.102	8550.102	20 m - 3/4" (997.220)	G 1" (f)	G 3/4" (m)	36,5 kg	42,0 kg
	8540.103	8550.103	15 m - 1" (998.215)	G 1" (f)	G 1" (m)	38,6 kg	44,1 kg
	8540.105	8550.105	without hose **	G 1/2" (f)	G 1/2" (f)	28,5 kg	34,0 kg
	8540.106	8550.106	30 m - 1/2" (996.230)	G 1/2" (f)	G 1/2" (m)	36,4 kg	41,9 kg
Hose reel capacity		inner hose Ø max. length	* 5/8" 20 m 3/4" 20 m 1" 15 m 3/8" 30 m 1/2" 30 m 5/8" 30 m		** 3/8" 30 m 1/2" 30 m 5/8" 30 m		
s. 560	8560.100	-	without hose *	G 1" (f)	G 1" (f)	48,0 kg	-
	8560.101	-	30 m - 3/4" (997.230)	G 1" (f)	G 3/4" (m)	60,0 kg	-
	8560.103	-	40 m - 3/4" (997.240)	G 1" (f)	G 3/4" (m)	63,0 kg	-
	8560.104	-	20 m - 1" (998.220)	G 1" (f)	G 1" (m)	60,6 kg	-
	8560.105	-	30 m - 1" (998.230)	G 1" (f)	G 1" (m)	64,0 kg	-
	8560.106	-	without hose **	G 1/2" (f)	G 1/2" (f)	47,5 kg	-
Hose reel capacity		inner hose Ø max. length	* 5/8" 50 m 3/4" 40 m 1" 30 m 3/8" 60 m 1/2" 60 m 5/8" 60 m		** 3/8" 60 m 1/2" 60 m 5/8" 60 m		



Type of fluid
AIR-WATER

Pressure
10-20 bar

Material
- AISI 304 S. STEEL
- ABS

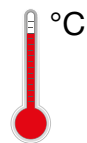
WITH SPRING



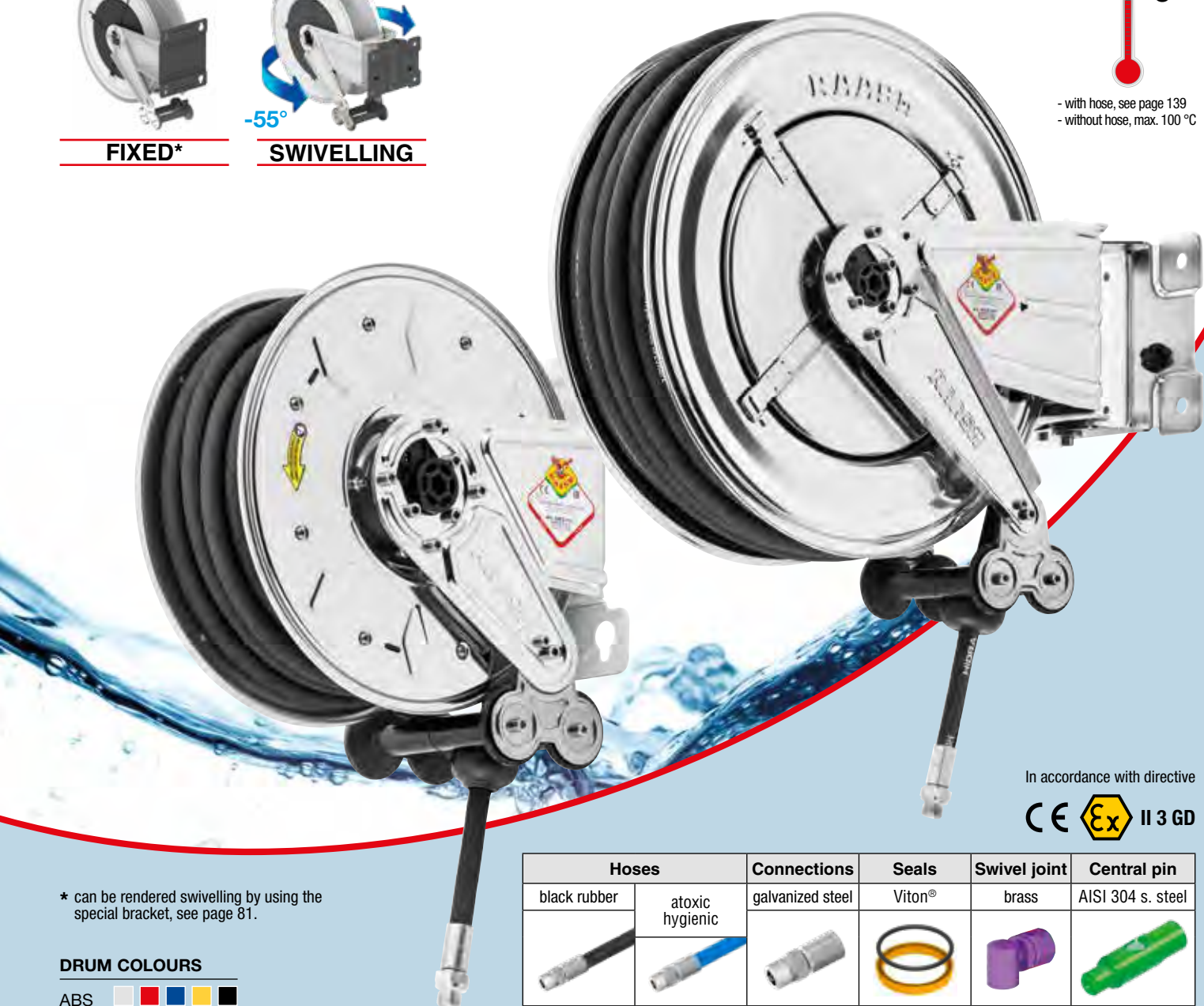
FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 100 °C



In accordance with directive

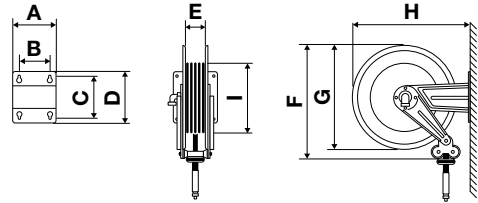
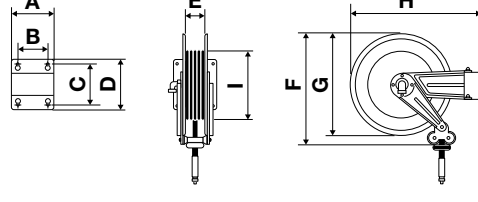
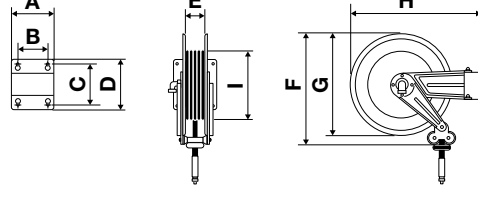
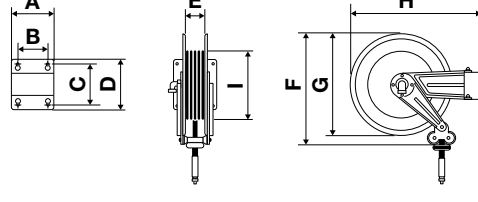


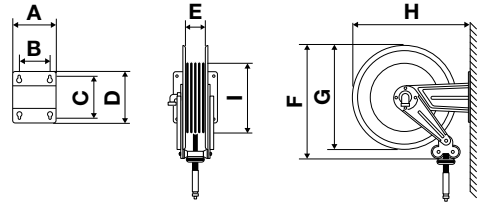
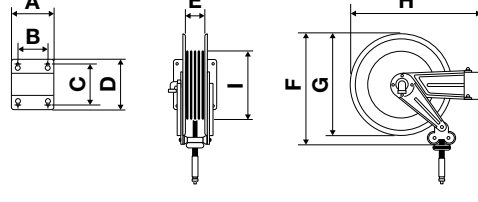
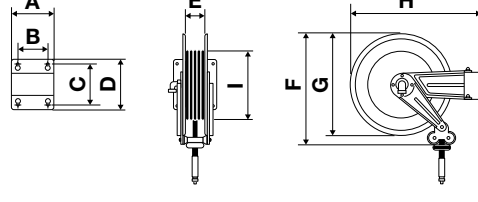
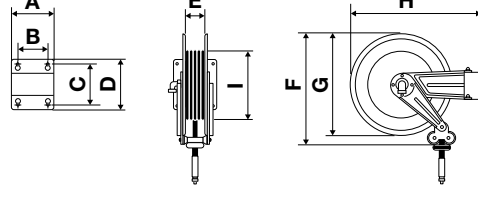
* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

ABS

Hoses		Connections	Seals	Swivel joint	Central pin
black rubber	atoxic hygienic	galvanized steel	Viton®	brass	AISI 304 s. steel
					

Overall dimensions FIXED (mm)											Series	
											290	186
											330	140
											390	196
											430	226
											430 ABS	98
											530	330
											540	350
											560	365
												410
												410
												155
												155
												264
												264
												315
												315
												315
												315
												315

Overall dimensions SWIVELLING (mm)											Series	
											390	184
											430	146
											530	106
											540	144
												98
												410
												390
												482
												155
												264
												264
												315
												315
												315
												315
												315

(W: width - D: depth - H: height)



		P/N		Hose supplied	Connection		Weight	
		fixed	swivelling		inlet	outlet	fixed	swivelling
s. 290 20 bar	8292.100	-	-	without hose *	G 3/8" (f)	G 3/8" (f)	10,0 kg	-
	8292.101	-	-	10 m - 3/8" (995.210)	G 3/8" (f)	G 3/8" (m)	12,0 kg	-
	8292.104	-	-	15 m - 1/4" (993.215)	G 3/8" (f)	G 1/4" (m)	12,0 kg	-
* Hose reel capacity		inner hose Ø max. length		1/4" 5/16" 3/8"	16 m 14 m 10 m			
s. 330 20 bar 10 bar	8332.100	-	-	without hose *	G 3/8" (f)	G 3/8" (f)	11,2 kg	-
	8332.101	-	-	12 m - 3/8" (995.211)	G 3/8" (f)	G 3/8" (m)	13,5 kg	-
	8333.101	-	-	12 m - 3/8" (995.112)	G 3/8" (f)	G 3/8" (m)	13,4 kg	-
* Hose reel capacity		inner hose Ø max. length		1/4" 5/16" 3/8" 1/2"	18 m 16 m 14 m 12 m			
s. 390 20 bar	8392.100	8382.100	-	without hose *	G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
	8392.102	8382.102	-	18 m - 3/8" (995.217)	G 3/8" (f)	G 3/8" (m)	16,0 kg	16,5 kg
* Hose reel capacity		inner hose Ø max. length		1/4" 5/16" 3/8" 1/2"	20 m 20 m 18 m 15 m			
s. 430 20 bar	8432.100	8422.100	-	without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8432.101	8422.101	-	12 m - 3/8" (995.212)	G 1/2" (f)	G 3/8" (m)	18,7 kg	19,2 kg
	8432.102	8422.102	-	18 m - 3/8" (995.218)	G 1/2" (f)	G 3/8" (m)	19,5 kg	20,0 kg
	8432.103	8422.103	-	10 m - 1/2" (996.210)	G 1/2" (f)	G 1/2" (m)	19,2 kg	19,7 kg
	8432.104	8422.104	-	15 m - 1/2" (996.215)	G 1/2" (f)	G 1/2" (m)	20,2 kg	20,7 kg
	8432.150	-	-	without hose **	G 1" (f)	G 3/4" (f)	17,0 kg	-
10 bar	8433.102	-	-	15 m - 1/2" (996.116)	G 1/2" (f)	G 1/2" (m)	19,2 kg	-
Hose reel capacity		inner hose Ø max. length		* 5/16" 3/8" 1/2"	** 5/8" 3/4"			
s. 430 ABS 20 bar	9432.100	-	-	without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
	9432.101	-	-	12 m - 3/8" (995.212)	G 1/2" (f)	G 3/8" (m)	15,2 kg	-
	9432.102	-	-	18 m - 3/8" (995.218)	G 1/2" (f)	G 3/8" (m)	16,0 kg	-
	9432.103	-	-	10 m - 1/2" (996.210)	G 1/2" (f)	G 1/2" (m)	15,7 kg	-
	9432.104	-	-	15 m - 1/2" (996.215)	G 1/2" (f)	G 1/2" (m)	16,7 kg	-
10 bar	9433.102	-	-	15 m - 1/2" (996.116)	G 1/2" (f)	G 1/2" (m)	15,5 kg	-
* Hose reel capacity		inner hose Ø max. length		5/16" 3/8" 1/2"	20 m 20 m 16 m			
s. 530 20 bar	8532.100	8522.100	-	without hose *	G 1/2" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8532.101	8522.101	-	20 m - 1/2" (996.220)	G 1/2" (f)	G 1/2" (m)	26,5 kg	27,5 kg
	8532.102	8522.102	-	25 m - 1/2" (996.225)	G 1/2" (f)	G 1/2" (m)	27,3 kg	28,3 kg
	8532.150	-	-	without hose **	G 1" (f)	G 1" (f)	22,0 kg	-
10 bar	8533.102	-	-	25 m - 1/2" (996.125)	G 1/2" (f)	G 1/2" (m)	27,1 kg	-
Hose reel capacity		inner hose Ø max. length		* 3/8" 1/2" 5/8"	** 3/4" 1"			
s. 540 20 bar	8542.100	8552.100	-	without hose *	G 1" (f)	G 1" (f)	28,0 kg	33,5 kg
	8542.101	8552.101	-	15 m - 3/4" (997.215)	G 1" (f)	G 3/4" (m)	35,0 kg	40,5 kg
	8542.102	8552.102	-	20 m - 3/4" (997.220)	G 1" (f)	G 3/4" (m)	36,5 kg	42,0 kg
	8542.103	8552.103	-	15 m - 1" (998.215)	G 1" (f)	G 1" (m)	38,6 kg	44,1 kg
	8542.105	8552.105	-	without hose **	G 1/2" (f)	G 1/2" (f)	28,5 kg	34,0 kg
	8542.106	8552.106	-	30 m - 1/2" (996.230)	G 1/2" (f)	G 1/2" (m)	36,4 kg	41,9 kg
s. 540 10 bar	8543.102	-	-	20 m - 3/4" (997.120)	G 3/4" (f)	G 3/4" (m)	36,5 kg	-
	8543.103	-	-	15 m - 1" (998.115)	G 1" (f)	G 1" (m)	38,0 kg	-
	8543.106	-	-	30 m - 1/2" (996.130)	G 1/2" (f)	G 1/2" (m)	36,5 kg	-
Hose reel capacity		inner hose Ø max. length		* 5/8" 3/4" 1"	** 3/8" 1/2" 5/8"			
s. 560 20 bar	8562.100	-	-	without hose *	G 1" (f)	G 1" (f)	48,0 kg	-
	8562.101	-	-	30 m - 3/4" (997.230)	G 1" (f)	G 3/4" (m)	60,0 kg	-
	8562.103	-	-	40 m - 3/4" (997.240)	G 1" (f)	G 3/4" (m)	63,0 kg	-
	8562.104	-	-	20 m - 1" (998.220)	G 1" (f)	G 1" (m)	60,6 kg	-
	8562.105	-	-	30 m - 1" (998.230)	G 1" (f)	G 1" (m)	64,0 kg	-
	8562.106	-	-	without hose **	G 1/2" (f)	G 1/2" (f)	47,5 kg	-
10 bar	8563.103	-	-	40 m - 3/4" (997.140)	G 1" (f)	G 3/4" (m)	63,5 kg	-
	8563.105	-	-	30 m - 1" (998.130)	G 1" (f)	G 1" (m)	64,5 kg	-
Hose reel capacity		inner hose Ø max. length		* 5/8" 3/4" 1"	** 3/8" 1/2" 5/8"			
					50 m 40 m 30 m 60 m 60 m 60 m			

Atoxic hygienic hose

Black rubber hose



Type of fluid
HOT WATER

Pressure
50-100 bar

Material
- PAINTED STEEL
- ABS

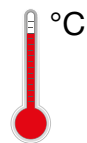
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted
ABS

Hoses		Connections	Seals	Swivel joint	Central pin
black rubber	hygienic	galvanized steel	Viton®	AISI 304 s. steel	galvanized steel

Overall dimensions FIXED (mm)						Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
						330	186	140	196	226	98	390	350	365	155		510 x 260 x 520
						390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
						430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
						430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590
						530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
						540	300	218	227	268	165	535	510	572	315		660 x 390 x 690
						560	488	399	238	272	348	535	510	578	315		670 x 610 x 760

Overall dimensions SWIVELLING (mm)						Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
						390	184	146	106	144	98	410	390	482	155		580 x 280 x 590
						430	208	162	118	164	97	450	415	540	264		580 x 280 x 590
						530	228	182	154	200	104	535	510	642	315		650 x 290 x 700
						540	300	218	227	268	165	535	510	700	315		660 x 390 x 690

(W: width - D: depth - H: height)



		P/N		Hose supplied	Connection		Weight	
		fixed	swivelling		inlet	outlet	fixed	swivelling
s. 330 100 bar	8330.200	-		without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	11,2 kg	-
	8330.201	-		12 m - 3/8" (995.313)	G 1/2" (f)	G 3/8" (m)	15,7 kg	-
* Hose reel capacity		inner hose Ø max. length		1/4" 12 m	5/16" 12 m	3/8" 12 m	1/2" 8 m	
s. 390 100 bar	8390.200	8380.200		without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	13,0 kg	14,0 kg
	8390.202	8380.202		17 m - 3/8" (995.318)	G 1/2" (f)	G 3/8" (m)	19,0 kg	20,0 kg
* Hose reel capacity		inner hose Ø max. length		1/4" 15 m	5/16" 16 m	3/8" 17 m	1/2" 12 m	
s. 430 100 bar	8430.200	8420.200		without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	17,2 kg
	8430.201	8420.201		10 m - 1/2" (996.311)	G 1/2" (f)	G 1/2" (m)	20,7 kg	22,2 kg
	8430.202	8420.202		15 m - 1/2" (996.316)	G 1/2" (f)	G 1/2" (m)	22,1 kg	23,5 kg
	8430.250	-		without hose **	G 1" (f)	G 3/4" (f)	17,0 kg	-
Hose reel capacity		inner hose Ø max. length		* 5/16" 20 m	3/8" 20 m	1/2" 16 m	** 5/8" 14 m	3/4" 8 m
s. 430 ABS 100 bar	9430.200	-		without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
	9430.201	-		10 m - 1/2" (996.311)	G 1/2" (f)	G 1/2" (m)	17,3 kg	-
	9430.202	-		15 m - 1/2" (996.316)	G 1/2" (f)	G 1/2" (m)	18,7 kg	-
	9431.202	-		15 m - 1/2" (996.415)	G 1/2" (f)	G 1/2" (m)	20,0 kg	-
* Hose reel capacity		inner hose Ø max. length		5/16" 20 m	3/8" 20 m	1/2" 16 m		
s. 530 100 bar	8530.200	8520.200		without hose *	G 1/2" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8530.201	8520.201		20 m - 1/2" (996.321)	G 1/2" (f)	G 1/2" (m)	30,0 kg	31,0 kg
* Hose reel capacity		inner hose Ø max. length		3/8" 25 m	1/2" 25 m	5/8" 22 m		
s. 540 100 bar	8540.200	8550.200		without hose *	G 1" (f)	G 1" (f)	28,0 kg	33,5 kg
	8540.202	8550.202		20 m - 3/4" (997.320)	G 1" (f)	G 3/4" (m)	40,7 kg	46,2 kg
s. 540 50 bar	8540.203	8550.203		15 m - 1" (998.315)	G 1" (f)	G 1" (m)	42,0 kg	47,5 kg
* Hose reel capacity		inner hose Ø max. length		5/8" 20 m	3/4" 22 m	1" 15 m		
s. 560 100 bar	8560.200	-		without hose *	G 1" (f)	G 1" (f)	48,0 kg	-
s. 560 50 bar	8560.205	-		30 m - 1" (998.330)	G 1" (f)	G 1" (m)	78,2 kg	-
* Hose reel capacity		inner hose Ø max. length		5/8" 50 m	3/4" 40 m	1" 30 m		



Hygienic hose



Black rubber hose



Type of fluid
HOT WATER

Pressure
50-100 bar

Material
- AISI 304 S. STEEL
- ABS

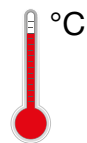
WITH SPRING



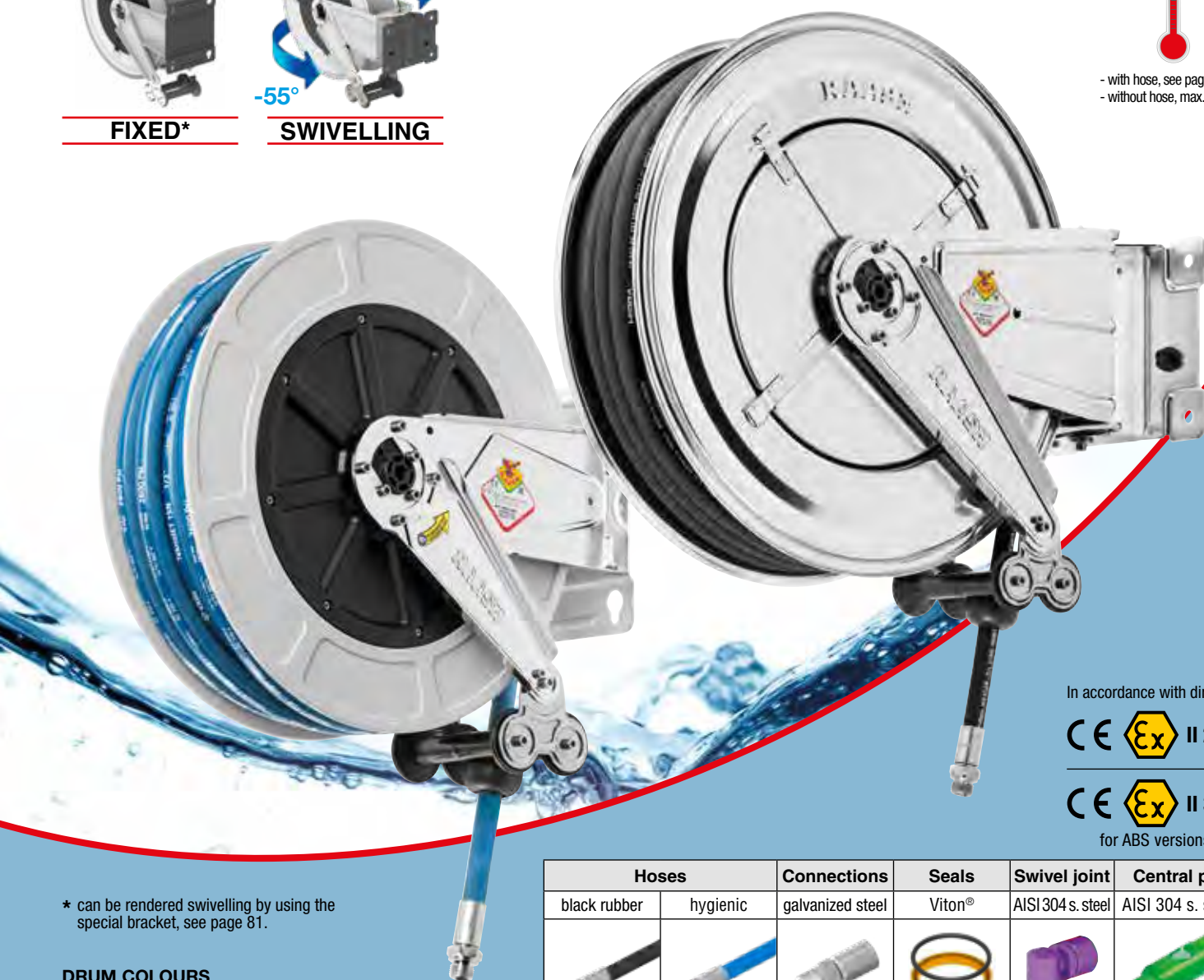
FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



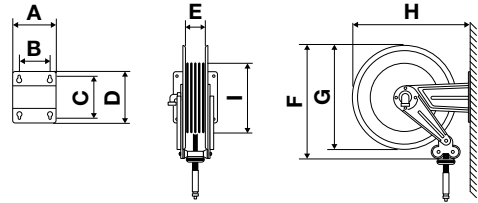
for ABS versions

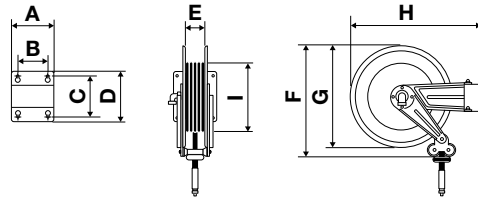
* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

ABS

Hoses		Connections	Seals	Swivel joint	Central pin
black rubber	hygienic	galvanized steel	Viton®	AISI304.s.steel	AISI 304 s. steel
					

Overall dimensions FIXED (mm)						Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
						330	186	140	196	226	98	390	350	365	155		510 x 260 x 520
						390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
						430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
						430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590
						530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
						540	300	218	227	268	165	535	510	572	315		660 x 390 x 690
						560	488	399	238	272	348	535	510	578	315		670 x 610 x 760

Overall dimensions SWIVELLING (mm)						Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
						390	184	146	106	144	98	410	390	482	155		580 x 280 x 590
						430	208	162	118	164	97	450	415	540	264		580 x 280 x 590
						530	228	182	154	200	104	535	510	642	315		650 x 290 x 700
						540	300	218	227	268	165	535	510	700	315		660 x 390 x 690

(W: width - D: depth - H: height)



P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

s. 330 100 bar	8332.400	-	without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	11,2 kg	-
	8332.201	-	12 m - 3/8" (995.313)	G 1/2" (f)	G 3/8" (m)	15,7 kg	-
	8333.202	-	12 m - 3/8" (995.412)	G 1/2" (f)	G 3/8" (m)	15,7 kg	-

* Hose reel capacity	inner hose Ø max. length	1/4" 12 m	5/16" 12 m	3/8" 12 m	1/2" 11 m
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s. 390 100 bar	8392.200	8382.200	without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	13,0 kg	13,5 kg
	8392.202	8382.202	17 m - 3/8" (995.318)	G 1/2" (f)	G 3/8" (m)	19,0 kg	19,5 kg
	8393.201	8383.201	12 m - 3/8" (995.412)	G 1/2" (f)	G 3/8" (m)	17,5 kg	18,0 kg

* Hose reel capacity	inner hose Ø max. length	1/4" 15 m	5/16" 16 m	3/8" 17 m	1/2" 12 m
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s. 430 100 bar	8434.200	8424.200	without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8434.250	-	without hose **	G 1" (f)	G 3/4" (f)	17,0 kg	-
	8432.201	8422.201	10 m - 1/2" (996.311)	G 1/2" (f)	G 1/2" (m)	20,7 kg	21,2 kg
	8432.202	8422.202	15 m - 1/2" (996.316)	G 1/2" (f)	G 1/2" (m)	22,1 kg	22,6 kg
	8433.202	8423.202	15 m - 1/2" (996.415)	G 1/2" (f)	G 1/2" (m)	22,1 kg	22,6 kg

Hose reel capacity	inner hose Ø max. length	* 5/16" 20 m	3/8" 20 m	1/2" 16 m	** 5/8" 14 m	3/4" 8 m
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s. 430 ABS 100 bar	9434.200	-	without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
	9432.201	-	10 m - 1/2" (996.311)	G 1/2" (f)	G 1/2" (m)	17,3 kg	-
	9432.202	-	15 m - 1/2" (996.316)	G 1/2" (f)	G 1/2" (m)	18,7 kg	-
	9433.202	-	15 m - 1/2" (996.415)	G 1/2" (f)	G 1/2" (m)	20,0 kg	-

* Hose reel capacity	inner hose Ø max. length	5/16" 20 m	3/8" 20 m	1/2" 16 m
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s. 530 100 bar	8534.200	8524.200	without hose *	G 1/2" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8532.201	8522.201	20 m - 1/2" (996.321)	G 1/2" (f)	G 1/2" (m)	30,0 kg	31,0 kg
	8534.250	-	without hose **	G 1" (f)	G 1" (f)	22,5 kg	-
	8533.202	8523.202	25 m - 1/2" (996.425)	G 1/2" (f)	G 1/2" (m)	32,0 kg	33,0 kg

Hose reel capacity	inner hose Ø max. length	* 3/8" 25 m	1/2" 25 m	5/8" 22 m	** 3/4" 12 m	1" 8 m
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s. 540 100 bar	8544.200	8554.200	without hose *	G 1" (f)	G 1" (f)	28,0 kg	33,5 kg
	8542.202	8552.202	20 m - 3/4" (997.320)	G 1" (f)	G 3/4" (m)	40,7 kg	46,2 kg
	8544.205	8554.205	without hose **	G 1/2" (f)	G 1/2" (f)	28,5 kg	34,0 kg
	8543.202	8553.202	20 m - 3/4" (997.420)	G 1" (f)	G 3/4" (m)	40,7 kg	46,2 kg

s. 540 50 bar	8542.203	8552.203	15 m - 1" (998.315)	G 1" (f)	G 1" (m)	42,0 kg	47,5 kg
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Hose reel capacity	inner hose Ø max. length	* 5/8" 20 m	3/4" 22 m	1" 15 m	** 3/8" 30 m	1/2" 30 m	5/8" 30 m
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s. 560 100 bar	8564.200	-	without hose *	G 1" (f)	G 1" (f)	48,0 kg	-
	8564.206	-	without hose **	G 1/2" (f)	G 1/2" (f)	47,5 kg	-
s. 560 50 bar	8562.205	-	30 m - 1" (998.330)	G 1" (f)	G 1" (m)	78,2 kg	-

Hose reel capacity	inner hose Ø max. length	* 5/8" 50 m	3/4" 40 m	1" 30 m	** 3/8" 60 m	1/2" 60 m	5/8" 60 m
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Hygienic hose
 Black rubber hose



Type of fluid
HOT WATER

Pressure
200 bar

Material
- PAINTED STEEL
- ABS

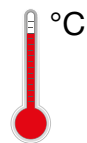
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



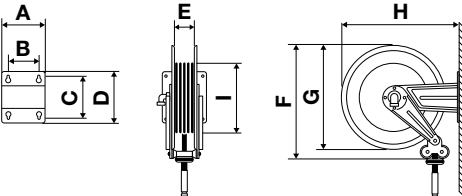
for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted
ABS

Hoses		Connections	Seals	Swivel joint	Central pin
black rubber	hygienic	galvanized steel	Viton®	AISI 304 s. steel	galvanized steel

Overall dimensions FIXED (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
				330	186	140	196	226	98	390	350	365	155		510 x 260 x 520	
				390	186	140	196	226	98	410	390	410	155		580 x 280 x 590	
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590	
				430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590	
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700	
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690	
				560	488	399	238	272	348	535	510	578	315		670 x 610 x 760	

Overall dimensions SWIVELLING (mm)								Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
								390	184	146	106	144	98	410	390	482	155		580 x 280 x 590	
								430	208	162	118	164	97	450	415	540	264		580 x 280 x 590	
								530	228	182	154	200	104	535	510	642	315		650 x 290 x 700	
								540	300	218	227	268	165	535	510	700	315		660 x 390 x 690	

(W: width - D: depth - H: height)



P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

s. 330	8330.300	-	without hose *	G 3/8" (f)	G 3/8" (f)	11,2 kg	-
	8330.301	-	12 m - 5/16" (994.512)	G 3/8" (f)	G 3/8" (f)	14,8 kg	-

* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	12 m	12 m	12 m	8 m

s. 390	8390.300	8380.300	without hose *	G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
	8390.302	8380.302	17 m - 5/16" (994.517)	G 3/8" (f)	G 3/8" (f)	17,0 kg	17,5 kg

* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	15 m	16 m	17 m	12 m

s. 430	8430.300	8420.300	without hose *	G 3/8" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8430.301	8420.301	12 m - 3/8" (995.512)	G 3/8" (f)	G 3/8" (f)	20,3 kg	20,8 kg
	8430.302	8420.302	18 m - 3/8" (995.518)	G 3/8" (f)	G 3/8" (f)	22,4 kg	22,9 kg

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 430 ABS	9430.300	-	without hose *	G 3/8" (f)	G 1/2" (f)	12,5 kg	-
	9430.301	-	12 m - 3/8" (995.512)	G 3/8" (f)	G 3/8" (f)	16,8 kg	-
	9430.302	-	18 m - 3/8" (995.518)	G 3/8" (f)	G 3/8" (f)	18,8 kg	-
	9431.302	-	18 m - 3/8" (995.618)	G 3/8" (f)	G 3/8" (f)	19,0 kg	-

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 530	8530.300	8520.300	without hose *	G 3/8" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8530.301	8520.301	20 m - 3/8" (995.520)	G 3/8" (f)	G 3/8" (f)	27,0 kg	28,0 kg
	8530.302	8520.302	25 m - 3/8" (995.525)	G 3/8" (f)	G 3/8" (f)	28,5 kg	29,5 kg

* Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"
	max. length	25 m	25 m	22 m

s. 540	8540.300	8550.300	without hose *	G 3/8" (f)	G 1/2" (f)	28,0 kg	33,5 kg
	8540.301	8550.301	30 m - 3/8" (995.530)	G 3/8" (f)	G 3/8" (f)	36,8 kg	42,3 kg

* Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"
	max. length	30 m	30 m	30 m

s. 560	8560.300	-	without hose *	G 3/8" (f)	G 1/2" (f)	48,0 kg	-
	8560.301	-	40 m - 3/8" (995.540)	G 3/8" (f)	G 3/8" (f)	59,0 kg	-
	8560.302	-	50 m - 3/8" (995.550)	G 3/8" (f)	G 3/8" (f)	64,8 kg	-

* Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"
	max. length	60 m	60 m	60 m

Hygienic hose
 Black rubber hose



Type of fluid
HOT WATER

Pressure
200 bar

Material
- AISI 304 S. STEEL
- ABS

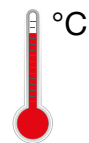
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



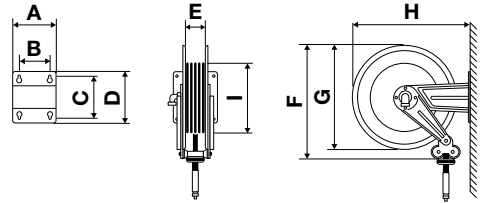
for ABS versions

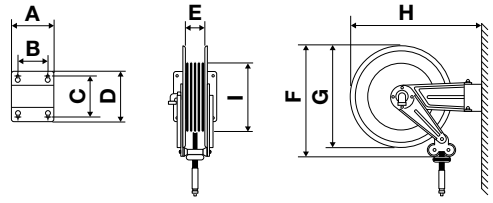
* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

ABS

Hoses		Connections	Seals	Swivel joint	Central pin
black rubber	hygienic	galvanized steel	Viton®	AISI 304 s. steel	AISI 304 s. steel
					

Overall dimensions FIXED (mm)						Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
						330	186	140	196	226	98	390	350	365	155		510 x 260 x 520
						390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
						430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
						430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590
						530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
						540	300	218	227	268	165	535	510	572	315		660 x 390 x 690
						560	488	399	238	272	348	535	510	578	315		670 x 610 x 760

Overall dimensions SWIVELLING (mm)						Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
						390	184	146	106	144	98	410	390	482	155		580 x 280 x 590
						430	208	162	118	164	97	450	415	540	264		580 x 280 x 590
						530	228	182	154	200	104	535	510	642	315		650 x 290 x 700
						540	300	218	227	268	165	535	510	700	315		660 x 390 x 690

(W: width - D: depth - H: height)



P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

s. 330	8332.300	-	without hose *	G 3/8" (f)	G 3/8" (f)	11,2 kg	-
	8332.301	-	12 m - 5/16" (994.512)	G 3/8" (f)	G 3/8" (f)	14,8 kg	-
	8333.301	-	12 m - 5/16" (994.612)	G 3/8" (f)	G 3/8" (f)	14,8 kg	-

* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	12 m	12 m	12 m	8 m

s. 390	8392.300	8382.300	without hose *	G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
	8392.302	8382.302	17 m - 5/16" (994.517)	G 3/8" (f)	G 3/8" (f)	17,0 kg	17,5 kg
	8393.301	8383.301	12 m - 5/16" (994.612)	G 3/8" (f)	G 3/8" (f)	16,6 kg	17,1 kg

* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	15 m	16 m	17 m	12 m

s. 430	8434.300	8424.300	without hose *	G 3/8" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8432.301	8422.301	12 m - 3/8" (995.512)	G 3/8" (f)	G 3/8" (f)	20,3 kg	20,8 kg
	8432.302	8422.302	18 m - 3/8" (995.518)	G 3/8" (f)	G 3/8" (f)	22,4 kg	22,9 kg
	8433.302	8423.302	18 m - 3/8" (995.618)	G 3/8" (f)	G 3/8" (f)	22,4 kg	22,9 kg

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 430 ABS	9434.300	-	without hose *	G 3/8" (f)	G 1/2" (f)	12,5 kg	-
	9432.301	-	12 m - 3/8" (995.512)	G 3/8" (f)	G 3/8" (f)	16,8 kg	-
	9432.302	-	18 m - 3/8" (995.518)	G 3/8" (f)	G 3/8" (f)	18,8 kg	-
	9433.302	-	18 m - 3/8" (995.618)	G 3/8" (f)	G 3/8" (f)	19,0 kg	-

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 530	8534.300	8524.300	without hose *	G 3/8" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8532.301	8522.301	20 m - 3/8" (995.520)	G 3/8" (f)	G 3/8" (f)	27,0 kg	28,0 kg
	8532.302	8522.302	25 m - 3/8" (995.525)	G 3/8" (f)	G 3/8" (f)	28,5 kg	29,5 kg
	8533.302	8523.302	25 m - 3/8" (995.625)	G 3/8" (f)	G 3/8" (f)	28,5 kg	29,5 kg

* Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"
	max. length	25 m	25 m	22 m

s. 540	8544.300	8554.300	without hose *	G 3/8" (f)	G 1/2" (f)	28,5 kg	34,0 kg
	8542.301	8552.301	30 m - 3/8" (995.530)	G 3/8" (f)	G 3/8" (f)	36,8 kg	42,3 kg
	8543.301	8553.301	30 m - 3/8" (995.630)	G 3/8" (f)	G 3/8" (f)	36,8 kg	42,3 kg

* Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"
	max. length	30 m	30 m	30 m

s. 560	8564.300	-	without hose *	G 3/8" (f)	G 1/2" (f)	47,5 kg	-
	8562.301	-	40 m - 3/8" (995.540)	G 3/8" (f)	G 3/8" (f)	59,0 kg	-
	8562.302	-	50 m - 3/8" (995.550)	G 3/8" (f)	G 3/8" (f)	64,8 kg	-

* Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"
	max. length	60 m	60 m	60 m

Hygienic hose
 Black rubber hose



Type of fluid
HOT WATER

Pressure
400 bar

Material
PAINTED STEEL

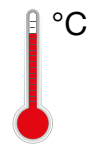
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive

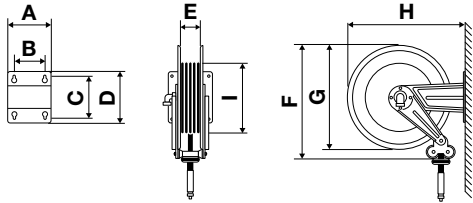


* can be rendered swivelling by using the special bracket, see page 81.

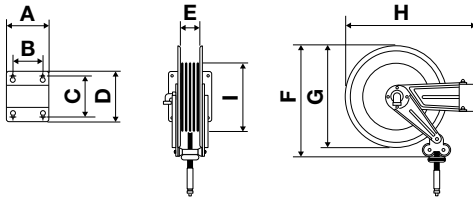
DRUM COLOURS

Painted

Hoses	Connections	Seals	Swivel joint	Central pin
black rubber	galvanized steel	Viton® - Teflon®	AISI 304 s. steel	galvanized steel
				

Overall dimensions FIXED (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				330	186	140	196	226	98	390	350	365	155		510 x 260 x 520
				390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690
				560	488	399	238	272	348	535	510	578	315		670 x 610 x 760

(W: width - D: depth - H: height)

Overall dimensions SWIVELLING (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				390	184	146	106	144	98	410	390	482	155		580 x 280 x 590
				430	208	162	118	164	97	450	415	540	264		580 x 280 x 590
				530	228	182	154	200	104	535	510	642	315		650 x 290 x 700
				540	300	218	227	268	165	535	510	700	315		660 x 390 x 690

(W: width - D: depth - H: height)



		P/N		Hose supplied	Connection		Weight	
		fixed	swivelling		inlet	outlet	fixed	swivelling
s. 330	8330.350	-	without hose *		G 3/8" (f)	G 3/8" (f)	11,2 kg	-
* Hose reel capacity		inner hose Ø max. length	1/4" 12 m	5/16" 12 m	3/8" 12 m	1/2" 8 m		
s. 390	8390.350	8380.350	without hose *		G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
	8390.352	8380.352	17 m - 5/16" (994.717)		G 3/8" (f)	G 3/8" (f)	20,7 kg	21,2 kg
* Hose reel capacity		inner hose Ø max. length	1/4" 15 m	5/16" 16 m	3/8" 17 m	1/2" 12 m		
s. 430	8430.350	8420.350	without hose *		G 3/8" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8430.354	8420.354	15 m - 3/8" (995.815)		G 3/8" (f)	G 3/8" (f)	23,1 kg	23,6 kg
* Hose reel capacity		inner hose Ø max. length	5/16" 12 m	3/8" 15 m				
s. 530	8530.350	8520.350	without hose *		G 3/8" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8530.352	8520.352	25 m - 3/8" (995.825)		G 3/8" (f)	G 3/8" (f)	31,8 kg	32,8 kg
* Hose reel capacity		inner hose Ø max. length	3/8" 25 m	1/2" 25 m				
s. 540	8540.350	8550.350	without hose *		G 3/8" (f)	G 1/2" (f)	28,0 kg	33,5 kg
* Hose reel capacity		inner hose Ø max. length	3/8" 30 m	1/2" 30 m				
s. 560	8560.350	-	without hose *		G 3/8" (f)	G 1/2" (f)	48,0 kg	-
* Hose reel capacity		inner hose Ø max. length	3/8" 60 m	1/2" 60 m				



Type of fluid
HOT WATER

Pressure
400-700 bar

Material
- AISI 304 S. STEEL
- ABS

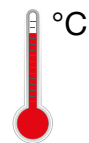
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



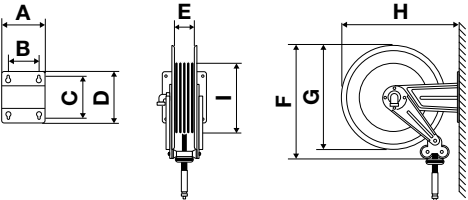
for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

ABS

Hoses		Connections	Seals	Swivel joint	Central pin
black rubber	hygienic	galvanized steel	Viton® - Teflon®	AISI 304 s. steel	AISI 304 s. steel
					

Overall dimensions FIXED (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
				330	186	140	196	226	98	390	350	365	155		510 x 260 x 520	
				390	186	140	196	226	98	410	390	410	155		580 x 280 x 590	
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590	
				430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590	
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700	
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690	
				560	488	399	238	272	348	535	510	578	315		670 x 610 x 760	

Overall dimensions SWIVELLING (mm)											Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
											390	184	146	106	144	98	410	390	482	155		580 x 280 x 590	
											430	208	162	118	164	97	450	415	540	264		580 x 280 x 590	
											530	228	182	154	200	104	535	510	642	315		650 x 290 x 700	
											540	300	218	227	268	165	535	510	700	315		660 x 390 x 690	

(W: width - D: depth - H: height)



P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

s. 330 400 bar	8332.350	-	without hose *		G 3/8" (f)	G 3/8" (f)	11,2 kg	-
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* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	12 m	12 m	12 m	8 m

s. 390 400 bar	8392.350	8382.350	without hose *		G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
	8392.352	8382.352	17 m - 5/16" (994.717)		G 3/8" (f)	G 3/8" (f)	20,7 kg	21,2 kg

* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	15 m	16 m	17 m	12 m

s. 430 400 bar	8434.350	8424.350	without hose *		G 3/8" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8432.354	8422.354	15 m - 3/8" (995.815)		G 3/8" (f)	G 3/8" (f)	23,1 kg	23,6 kg
	8433.354	8423.354	15 m - 3/8" (995.915)		G 3/8" (f)	G 3/8" (f)	23,1 kg	23,6 kg

* Hose reel capacity	inner hose Ø	5/16"	3/8"
	max. length	12 m	15 m

s. 430 ABS 400 bar	9434.350	-	without hose *		G 3/8" (f)	G 1/2" (f)	12,5 kg	-
	9432.353	-	10 m - 3/8" (995.810)		G 3/8" (f)	G 3/8" (f)	18,4 kg	-
	9432.354	-	15 m - 3/8" (995.815)		G 3/8" (f)	G 3/8" (f)	20,8 kg	-

* Hose reel capacity	inner hose Ø	3/8"	1/2"
	max. length	25 m	25 m

s. 530 400 bar	8534.350	8524.350	without hose *		G 3/8" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8532.352	8522.352	25 m - 3/8" (995.825)		G 3/8" (f)	G 3/8" (f)	31,8 kg	32,8 kg
	8533.352	8523.352	25 m - 3/8" (995.925)		G 3/8" (f)	G 3/8" (f)	31,8 kg	32,8 kg

s. 530 700 bar	8534.550	-	without hose *		G 3/8" (f)	G 3/8" (f)	21,0 kg	-
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* Hose reel capacity	inner hose Ø	3/8"	1/2"
	max. length	25 m	25 m

s. 540 400 bar	8544.350	8554.350	without hose *		G 3/8" (f)	G 1/2" (f)	28,0 kg	33,5 kg
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s. 540 700 bar	8544.550	-	without hose *		G 3/8" (f)	G 3/8" (f)	28,5 kg	-
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* Hose reel capacity	inner hose Ø	3/8"	1/2"
	max. length	30 m	30 m

s. 560 400 bar	8564.350	-	without hose *		G 3/8" (f)	G 3/8" (f)	48,0 kg	-
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* Hose reel capacity	inner hose Ø	3/8"	1/2"
	max. length	60 m	60 m

Hygienic hose
 Black rubber hose



Type of fluid
HOT WATER

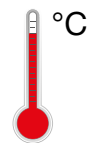
Pressure
**100-200
400 bar**

Material
AISI 316 S. STEEL

WITH SPRING



FIXED*



- with hose, see page 139
- without hose, max. 130 °C



* can be rendered swivelling by using the special bracket, see page 81.

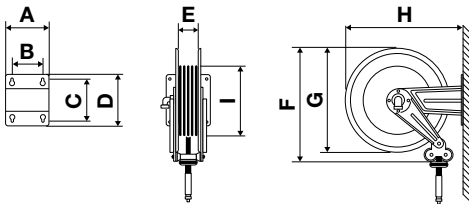
In accordance with directive



The hose reels in AISI 316 stainless steel can also be used for the following fluids:

OIL AND SIMILAR GREASE DIESEL ADBLUE®

Seals	Swivel joint	Central pin
Viton® - Teflon®	AISI 316 s. steel	AISI 316 s. steel
		

Overall dimensions (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690
				560	488	399	238	272	348	535	510	578	315		670 x 610 x 760

(W: width - D: depth - H: height)

See specific catalogue





P/N	Hose supplied	Connection		Weight
		inlet	outlet	
s. 430 100 bar	8435.200	without hose *		16,0 kg
s. 430 200 bar	8435.300	without hose **		16,0 kg
s. 430 400 bar	8435.350	without hose **		16,0 kg
* Hose reel capacity		inner hose Ø	5/16" 3/8" 1/2"	
		max. length	20 m 20 m 16 m	
** Hose reel capacity		inner hose Ø	5/16" 3/8"	
		max. length	12 m 15 m	
s. 530 100 bar	8535.200	without hose *		21,0 kg
s. 530 200 bar	8535.300	without hose **		21,0 kg
s. 530 400 bar	8535.350	without hose **		21,0 kg
* Hose reel capacity		inner hose Ø	3/8" 1/2" 5/8"	
		max. length	25 m 25 m 22 m	
** Hose reel capacity		inner hose Ø	3/8" 1/2"	
		max. length	25 m 25 m	
s. 540 100 bar	8545.200	without hose *		28,0 kg
	8545.205	without hose **		28,5 kg
* Hose reel capacity		inner hose Ø	5/8" 3/4" 1"	
		max. length	20 m 22 m 15 m	
** Hose reel capacity		inner hose Ø	3/8" 1/2" 5/8"	
		max. length	32 m 33 m 36 m	
s. 560 100 bar	8565.200	without hose *		48,5 kg
	8565.206	without hose **		47,5 kg
* Hose reel capacity		inner hose Ø	5/8" 3/4" 1"	
		max. length	50 m 40 m 30 m	
** Hose reel capacity		inner hose Ø	3/8" 1/2" 5/8"	
		max. length	60 m 60 m 60 m	





Type of fluid
**OIL AND
SIMILAR**

Pressure
**50-100
150 bar**

Material
**- PAINTED STEEL
- ABS**

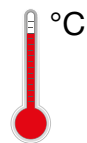
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 80 °C



In accordance with directive



for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted
ABS

Hoses	Connections	Seals	Swivel joint	Central pin
black rubber	galvanized steel	polyurethane	galvanized steel	galvanized steel

Overall dimensions FIXED (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				330	186	140	196	226	98	390	350	365	155		510 x 260 x 520
				390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
				430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690
				560	488	399	238	272	348	535	510	578	315		670 x 610 x 760



		P/N		Hose supplied	Connection		Weight	
		fixed	swivelling		inlet	outlet	fixed	swivelling
s. 330 150 bar	8330.400	-		without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	11,2 kg	-
	8330.402	-		12 m - 3/8" (995.312)	G 1/2" (f)	G 1/2" (m)	15,0 kg	-
* Hose reel capacity		inner hose Ø max. length		1/4" 12 m	5/16" 12 m	3/8" 12 m	1/2" 8 m	
s. 390 150 bar	8390.400	8380.400		without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	13,0 kg	13,5 kg
	8390.401	8380.401		12 m - 3/8" (995.312)	G 1/2" (f)	G 1/2" (m)	16,8 kg	17,3 kg
	8390.402	8380.402		17 m - 3/8" (995.317)	G 1/2" (f)	G 1/2" (m)	18,3 kg	18,8 kg
* Hose reel capacity		inner hose Ø max. length		1/4" 15 m	5/16" 16 m	3/8" 17 m	1/2" 12 m	
s. 430 150 bar	8430.400	8420.400		without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8430.401	8420.401		10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	20,5 kg	21,0 kg
	8430.402	8420.402		15 m - 1/2" (996.315)	G 1/2" (f)	G 1/2" (m)	12,5 kg	13,0 kg
	8430.450	-		without hose **	G 1" (f)	G 3/4" (f)	16,8 kg	-
s. 430 for suction	8430.400/AS	-		without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	-
	8430.401/AS	8420.401/AS		10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	20,5 kg	21,0 kg
	8430.415/AS	-		without hose **	G 1/2" (f)	G 1/2" (m)	16,0 kg	-
	8430.452/AS	-		8 m - 3/4" (997.3308)	G 1" (f)	G 3/4" (m)	22,0 kg	-
s. 430 100 bar	8430.415	-		without hose **	G 1/2" (f)	G 1/2" (m)	16,0 kg	-
	8430.416	-		10 m - 5/8" (999.3310)	G 3/4" (f)	G 3/4" (m)	21,5 kg	-
	8430.417	-		8 m - 3/4" (997.3308)	G 3/4" (f)	G 3/4" (m)	22,0 kg	-
s. 430 ABS 150 bar	9430.400	-		without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
	9430.401	-		10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	17,0 kg	-
	9430.402	-		15 m - 1/2" (996.315)	G 1/2" (f)	G 1/2" (m)	19,0 kg	-
s. 430 ABS for suction	9430.400/AS	-		without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
s. 430 ABS 100 bar	9430.415	-		without hose **	G 1/2" (f)	G 1/2" (m)	12,5 kg	-
	9430.416	-		10 m - 5/8" (999.3310)	G 3/4" (f)	G 3/4" (m)	17,0 kg	-
	9430.417	-		8 m - 3/4" (997.3308)	G 3/4" (f)	G 3/4" (m)	17,5 kg	-
Hose reel capacity		inner hose Ø max. length		* 5/16" 20 m	3/8" 20 m	1/2" 16 m	** 5/8" 14 m	3/4" 8 m
s. 530 150 bar	8530.400	8520.400		without hose *	G 1/2" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8530.401	8520.401		20 m - 1/2" (996.320)	G 1/2" (f)	G 1/2" (m)	29,2 kg	30,2 kg
	8530.402	8520.402		25 m - 1/2" (996.325)	G 1/2" (f)	G 1/2" (m)	31,1 kg	32,1 kg
s. 530 100 bar	8530.415	-		without hose **	G 1" (f)	G 1" (f)	21,0 kg	-
	8530.416	-		12 m - 3/4" (997.3312)	G 1" (f)	G 3/4" (m)	28,8 kg	-
Hose reel capacity		inner hose Ø max. length		* 3/8" 25 m	1/2" 25 m	5/8" 22 m	** 3/4" 12 m	1" 8 m
s. 540 150 bar	8540.400	8550.400		without hose *	G 1" (f)	G 1" (f)	28,0 kg	33,5 kg
	8540.405	8550.405		without hose **	G 1/2" (f)	G 1/2" (f)	28,0 kg	33,5 kg
	8540.406	8550.406		30 m - 1/2" (996.330)	G 1/2" (f)	G 1/2" (m)	40,3 kg	45,8 kg
s. 540 100 bar	8540.411	8550.411		15 m - 3/4" (997.3315)	G 1" (f)	G 3/4" (m)	37,6 kg	43,1 kg
	8540.412	8550.412		20 m - 3/4" (997.3320)	G 1" (f)	G 3/4" (m)	40,2 kg	45,7 kg
s. 540 50 bar	8540.413	8550.413		15 m - 1" (998.3315)	G 1" (f)	G 1" (m)	42,6 kg	48,1 kg
	8540.414	-		10 m - 1" (998.3310)	G 1" (f)	G 1" (m)	38,2 kg	-
Hose reel capacity		inner hose Ø max. length		* 3/4" 22 m	1" 15 m	** 3/8" 30 m	1/2" 30 m	5/8" 30 m
s. 560 150 bar	8560.400	-		without hose *	G 1" (f)	G 1" (f)	48,0 kg	-
* Hose reel capacity		inner hose Ø max. length		5/8" 50 m	3/4" 40 m	1" 30 m		



Prepared with outlet connection for Ø 3/4" hoses



Type of fluid
**OIL AND
SIMILAR**

Pressure
150 bar

Material
**- AISI 304 S. STEEL
- ABS**

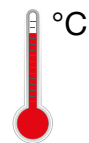
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

ABS

Seals	Swivel joint	Central pin
Viton®	AISI 304 s. steel	AISI 304 s. steel

Overall dimensions FIXED (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
				430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
				430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590
				530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
				540	300	218	227	268	165	535	510	572	315		660 x 390 x 690

Overall dimensions SWIVELLING (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				390	184	146	106	144	98	410	390	482	155		580 x 280 x 590
				430	208	162	118	164	97	450	415	540	264		580 x 280 x 590
				530	228	182	154	200	104	535	510	642	315		650 x 290 x 700
				540	300	218	227	268	165	535	510	700	315		660 x 390 x 690

(W: width - D: depth - H: height)



P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

s. 390	8392.200	8382.200	without hose *	G 1/2" (f)	G 3/8"(f) G 1/2"(f)	13,0 kg	13,5 kg
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* Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"
	max. length	15 m	16 m	17 m	12 m

s. 430	8434.200	8424.200	without hose *	G 1/2" (f)	G 1/2" (f)	16,0 kg	16,5 kg
	8434.250	-	without hose **	G 1" (f)	G 3/4" (f)	17,0 kg	-

Hose reel capacity	inner hose Ø	* 5/16"	3/8"	1/2"	** 5/8"	3/4"
	max. length	20 m	20 m	16 m	14 m	8 m

s. 430 ABS	9434.200	-	without hose *	G 1/2" (f)	G 1/2" (f)	12,5 kg	-
	9432.401	-	10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	16,9 kg	-
	9432.402	-	15 m - 1/2" (996.315)	G 1/2" (f)	G 1/2" (m)	20,0 kg	-

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 530	8534.200	8524.200	without hose *	G 1/2" (f)	G 1/2" (f)	21,0 kg	22,0 kg
	8534.250	-	without hose **	G 1" (f)	G 1" (f)	22,5 kg	-

Hose reel capacity	inner hose Ø	* 3/8"	1/2"	5/8"	** 3/4"	1"
	max. length	25 m	25 m	22 m	12 m	8 m

s. 540	8544.200	8554.200	without hose *	G 1" (f)	G 1" (f)	28,0 kg	33,5 kg
	8544.205	8554.205	without hose **	G 1/2" (f)	G 1/2" (f)	28,5 kg	34,0 kg

Hose reel capacity	inner hose Ø	* 3/4"	1"	** 3/8"	1/2"	5/8"
	max. length	22 m	15 m	30 m	30 m	30 m



Type of fluid
GREASE

Pressure
400-600 bar

Material
- PAINTED STEEL
- ABS

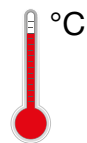
WITH SPRING



FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 80 °C



In accordance with directive



for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted
ABS

Hoses	Connections	Seals	Swivel joint	Central pin
black rubber	galvanized steel	polyurethane	galvanized steel	galvanized steel

Overall dimensions FIXED (mm)					Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
					330	186	140	196	226	98	390	350	365	155		510 x 260 x 520
					390	186	140	196	226	98	410	390	410	155		580 x 280 x 590
					430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
					430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590
					530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
					540	300	218	227	268	165	535	510	572	315		660 x 390 x 690

Overall dimensions SWIVELLING (mm)					Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
					390	184	146	106	144	98	410	390	482	155		580 x 280 x 590
					430	208	162	118	164	97	450	415	540	264		580 x 280 x 590
					530	228	182	154	200	104	535	510	642	315		650 x 290 x 700
					540	300	218	227	268	165	535	510	700	315		660 x 390 x 690

(W: width - D: depth - H: height)



	P/N		Hose supplied	Connection		Weight	
	fixed	swivelling		inlet	outlet	fixed	swivelling
s. 330 600 bar	8330.500	-	without hose *	G 3/8" (f)	G 3/8" (f)	11,2 kg	-
s. 330 400 bar	8330.501	-	12 m - 1/4" (993.511)	G 3/8" (f)	G 1/4" (m)	15,2 kg	-

* Hose reel capacity	inner hose Ø max. length	1/4" 12 m	5/16" 12 m	3/8" 12 m	1/2" 8 m
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s. 390 600 bar	8390.500	8380.500	without hose *	G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
s. 390 400 bar	8390.501	8380.501	12 m - 1/4" (993.511)	G 3/8" (f)	G 1/4" (m)	17,0 kg	17,5 kg
	8390.502	8380.502	16 m - 1/4" (993.516)	G 3/8" (f)	G 1/4" (m)	18,0 kg	18,5 kg

* Hose reel capacity	inner hose Ø max. length	1/4" 16 m	5/16" 16 m	3/8" 17 m	1/2" 12 m
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s. 430 600 bar	8430.500	8420.500	without hose *	G 3/8" (f)	G 1/2" (f)	16,0 kg	16,5 kg
s. 430 400 bar	8430.501	8420.501	12 m - 1/4" (993.512)	G 3/8" (f)	G 1/4" (m)	20,0 kg	20,5 kg
	8430.502	8420.502	18 m - 1/4" (993.518)	G 3/8" (f)	G 1/4" (m)	21,7 kg	22,2 kg
	8430.505	8420.505	10 m - 3/8" (995.710)	G 3/8" (f)	G 1/4" (m)	20,8 kg	21,3 kg
	8430.506	8420.506	15 m - 3/8" (995.715)	G 3/8" (f)	G 1/4" (m)	22,7 kg	23,2 kg

* Hose reel capacity	inner hose Ø max. length	5/16" 12 m	3/8" 15 m
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s. 430 ABS 600 bar	9430.500	-	without hose *	G 3/8" (f)	G 1/2" (f)	12,5 kg	-
s. 430 ABS 400 bar	9430.501	-	12 m - 1/4" (993.512)	G 3/8" (f)	G 1/4" (m)	16,5 kg	-
	9430.502	-	18 m - 1/4" (993.518)	G 3/8" (f)	G 1/4" (m)	18,2 kg	-
	9430.505	-	10 m - 3/8" (995.710)	G 3/8" (f)	G 1/4" (m)	17,3 kg	-
	9430.506	-	15 m - 3/8" (995.715)	G 3/8" (f)	G 1/4" (m)	19,2 kg	-

* Hose reel capacity	inner hose Ø max. length	5/16" 12 m	3/8" 15 m
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s. 530 600 bar	8530.500	8520.500	without hose *	G 3/8" (f)	G 1/2" (f)	21,0 kg	22,0 kg
s. 530 400 bar	8530.501	8520.501	20 m - 3/8" (995.720)	G 3/8" (f)	G 1/4" (m)	29,6 kg	30,6 kg
	8530.502	8520.502	25 m - 3/8" (995.725)	G 3/8" (f)	G 1/4" (m)	31,6 kg	32,6 kg

* Hose reel capacity	inner hose Ø max. length	3/8" 25 m	1/2" 25 m
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s. 540 600 bar	8540.500	8550.500	without hose *	G 3/8" (f)	G 1/2" (f)	28,0 kg	33,5 kg
s. 540 400 bar	8540.501	8550.501	30 m - 3/8" (995.730)	G 3/8" (f)	G 1/4" (m)	41,0 kg	46,5 kg

* Hose reel capacity	inner hose Ø max. length	3/8" 30 m	1/2" 30 m	5/8" 30 m
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Type of fluid
GREASE

Pressure
400-600 bar

Material
- AISI 304 S. STEEL
- ABS

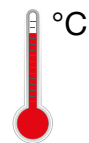
WITH SPRING



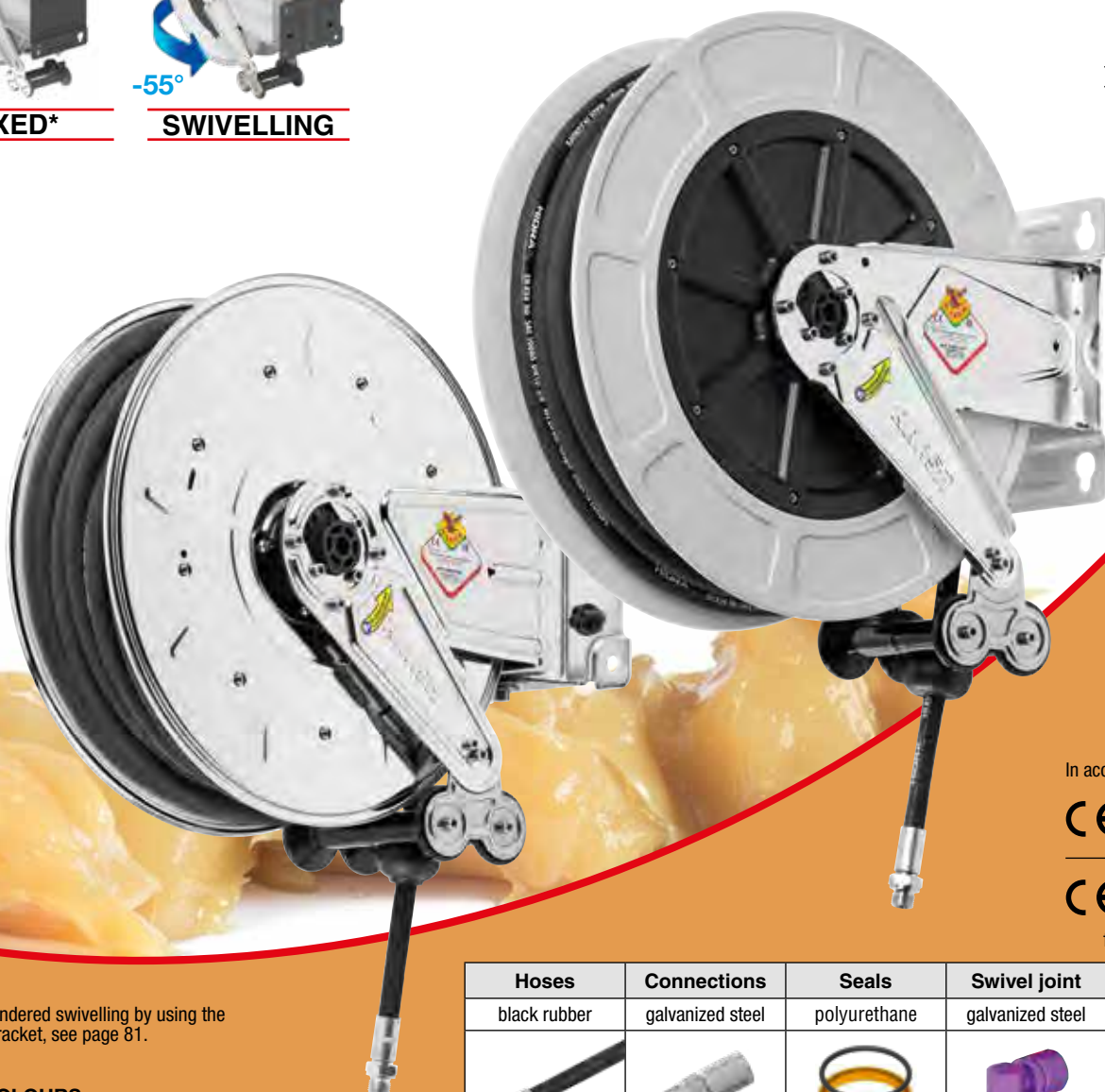
FIXED*



SWIVELLING



- with hose, see page 139
- without hose, max. 80 °C



In accordance with directive



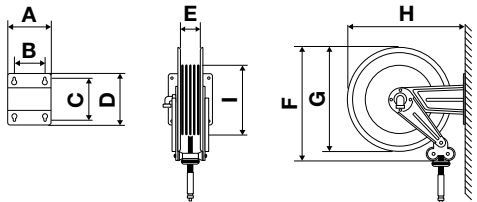
for ABS versions

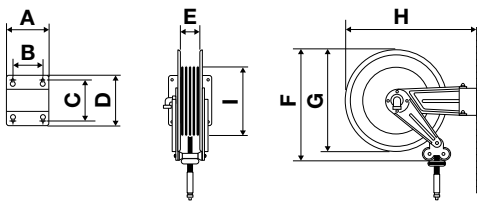
* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

ABS

Hoses	Connections	Seals	Swivel joint	Central pin
black rubber	galvanized steel	polyurethane	galvanized steel	AISI 304 s. steel
				

Overall dimensions FIXED (mm)										Series		Packaging (mm) W x D x H	
										390	186	580 x 280 x 590	
										430	186	580 x 280 x 590	
										430 ABS	186	580 x 280 x 590	
										530	203	650 x 290 x 700	

Overall dimensions SWIVELLING (mm)										Series		Packaging (mm) W x D x H	
										390	184	580 x 280 x 590	
										430	208	580 x 280 x 590	
										530	228	650 x 290 x 700	

(W: width - D: depth - H: height)



P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

s. 390 600 bar	8392.500	8382.500	without hose *	G 3/8" (f)	G 3/8" (f)	13,0 kg	13,5 kg
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* Hose reel capacity	inner hose ø	1/4"	5/16"	3/8"	1/2"
	max. length	15 m	16 m	17 m	12 m

s. 430 600 bar	8432.500	8422.500	without hose *	G 3/8" (f)	G 1/2" (f)	16,0 kg	16,5 kg
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* Hose reel capacity	inner hose ø	5/16"	3/8"
	max. length	12 m	15 m

s. 430 ABS 600 bar	9432.500	-	without hose *	G 3/8" (f)	G 1/2" (f)	12,5 kg	-
s. 430 ABS 400 bar	9432.501	-	12 m - 1/4" (993.512)	G 3/8" (f)	G 1/4" (m)	16,5 kg	-
	9432.502	-	18 m - 1/4" (993.518)	G 3/8" (f)	G 1/4" (m)	18,2 kg	-
	9432.505	-	10 m - 3/8" (995.710)	G 3/8" (f)	G 1/4" (m)	17,3 kg	-
	9432.506	-	15 m - 3/8" (995.715)	G 3/8" (f)	G 1/4" (m)	19,2 kg	-

* Hose reel capacity	inner hose ø	5/16"	3/8"
	max. length	12 m	15 m

s. 530 600 bar	8532.500	8522.500	without hose *	G 3/8" (f)	G 1/2" (m)	21,0 kg	22,0 kg
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* Hose reel capacity	inner hose ø	3/8"	1/2"
	max. length	25 m	25 m



Type of fluid
DIESEL

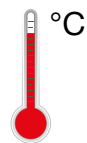
Pressure
10-20 bar

Material
- PAINTED STEEL
- ABS

WITH SPRING



FIXED*



- with hose, see page 139
- without hose, max. 100 °C

In accordance with directive



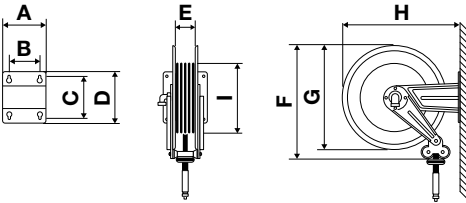
for ABS versions

* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted
ABS

Hoses	Connections	Seals	Swivel joint	Central pin
black antistatic rubber	galvanized steel	Viton®	brass	galvanized steel

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
	430	186	140	197	226	97	450	415	456	264		580 x 280 x 590			
	430 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590			
	530	203	153	221	258	104	535	510	558	315		650 x 290 x 700			
	540	300	218	227	268	165	535	510	572	315		660 x 390 x 690			
	560	488	399	238	272	348	535	510	578	315		670 x 610 x 760			
														(W: width - D: depth - H: height)	

(W: width - D: depth - H: height)



	P/N	Hose supplied	Connection		Weight
			inlet	outlet	
s. 430 20 bar	8430.150	without hose *	G 1" (f)	G 3/4" (f)	17,0 kg
	8430.600	without hose *	G 1/2" (f)	G 1/2" (m)	16,0 kg
s. 430 10 bar	8430.601	10 m - 5/8" (999.810)	G 3/4" (f)	G 3/4" (m)	20,4 kg
	8430.602	8 m - 3/4" (998.808)	G 3/4" (f)	G 3/4" (m)	22,5 kg
* Hose reel capacity		inner hose Ø max. length	1/2" 16 m	5/8" 14 m	3/4" 8 m
s. 430 ABS 20 bar	9430.600	without hose *	G 1/2" (f)	G 1/2" (m)	12,5 kg
s. 430 ABS 10 bar	9430.601	10 m - 5/8" (999.810)	G 3/4" (f)	G 3/4" (m)	16,9 kg
	9430.602	8 m - 3/4" (997.808)	G 3/4" (f)	G 3/4" (m)	19,0 kg
* Hose reel capacity		inner hose Ø max. length	1/2" 16 m	5/8" 14 m	3/4" 8 m
s. 530 20 bar	8530.150	without hose *	G 1" (f)	G 1" (f)	21,0 kg
s. 530 10 bar	8530.603	12 m - 3/4" (997.812)	G 1" (f)	G 3/4" (m)	26,6 kg
	8530.604	8 m - 1" (998.808)	G 1" (f)	G 1" (m)	28,0 kg
* Hose reel capacity		inner hose Ø max. length	5/8" 22 m	3/4" 12 m	1" 8 m
s. 540 20 bar	8540.100	without hose *	G 1" (f)	G 1" (f)	28,0 kg
s. 540 10 bar	8540.601	15 m - 3/4" (997.815)	G 1" (f)	G 3/4" (m)	35,2 kg
	8540.602	20 m - 3/4" (997.820)	G 1" (f)	G 3/4" (m)	37,9 kg
	8540.603	15 m - 1" (998.815)	G 1" (f)	G 1" (m)	39,3 kg
* Hose reel capacity		inner hose Ø max. length	3/4" 22 m	1" 15 m	
s. 560 20 bar	8560.100	without hose *	G 1" (f)	G 1" (f)	48,0 kg
s. 560 10 bar	8560.603	40 m - 3/4" (997.840)	G 1" (f)	G 3/4" (m)	66,4 kg
	8560.604	20 m - 1" (998.820)	G 1" (f)	G 1" (m)	62,6 kg
	8560.605	30 m - 1" (998.830)	G 1" (f)	G 1" (m)	70,4 kg
* Hose reel capacity		inner hose Ø max. length	3/4" 40 m	1" 30 m	



Prepared with outlet connection for Ø 3/4" hoses



Type of fluid
DIESEL

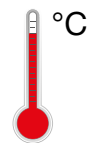
Pressure
10-20 bar

Material
AISI 304 S. STEEL

WITH SPRING



FIXED*



- with hose, see page 139
- without hose, max. 100 °C

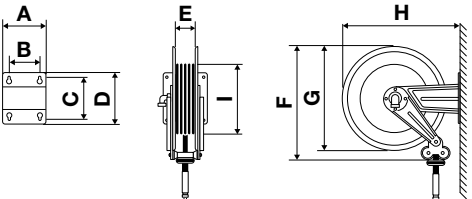


In accordance with directive



* can be rendered swivelling by using the special bracket, see page 81.

Hoses	Connections	Seals	Swivel joint	Central pin
black antistatic rubber	galvanized steel	Viton®	brass	AISI 304 s. steel
				

Overall dimensions (mm)										Series		A		B		C		D		E		F		G		H		I		Packaging (mm) W x D x H	
										530	203	153	221	258	104	535	510	558	315		650 x 290 x 700										
										540	300	218	227	268	165	535	510	572	315		660 x 390 x 690										
										560	488	399	238	272	348	535	510	578	315		670 x 610 x 760										
																		(W: width - D: depth - H: height)													

(W: width - D: depth - H: height)



P/N	Hose supplied	Connection		Weight
		inlet	outlet	

s. 530 20 bar	8532.150	without hose *	G 1" (f)	G 1" (f)	21,0 kg
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* Hose reel capacity	inner hose ø	5/8"	3/4"	1"
	max. length	22 m	12 m	8 m

s. 540 20 bar	8542.100	without hose *	G 1" (f)	G 1" (f)	28,0 kg
s. 540 10 bar	8542.601	15 m - 3/4" (997.815)	G 1" (f)	G 3/4" (m)	35,2 kg
	8542.602	20 m - 3/4" (997.820)	G 1" (f)	G 3/4" (m)	37,9 kg
	8542.603	15 m - 1" (998.815)	G 1" (f)	G 1" (m)	39,3 kg

* Hose reel capacity	inner hose ø	3/4"	1"
	max. length	22 m	15 m

s. 560 20 bar	8562.100	without hose *	G 1" (f)	G 1" (f)	48,0 kg
s. 560 10 bar	8562.603	40 m - 3/4" (997.840)	G 1" (f)	G 3/4" (m)	66,4 kg
	8562.604	20 m - 1" (998.820)	G 1" (f)	G 1" (m)	62,6 kg
	8562.605	30 m - 1" (998.830)	G 1" (f)	G 1" (m)	70,4 kg

* Hose reel capacity	inner hose ø	3/4"	1"
	max. length	40 m	30 m



Type of fluid
AdBlue®

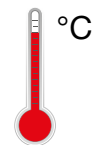
Pressure
10-100 bar

Material
- **PAINTED STEEL**
- **AISI 304 S. STEEL**
- **ABS**

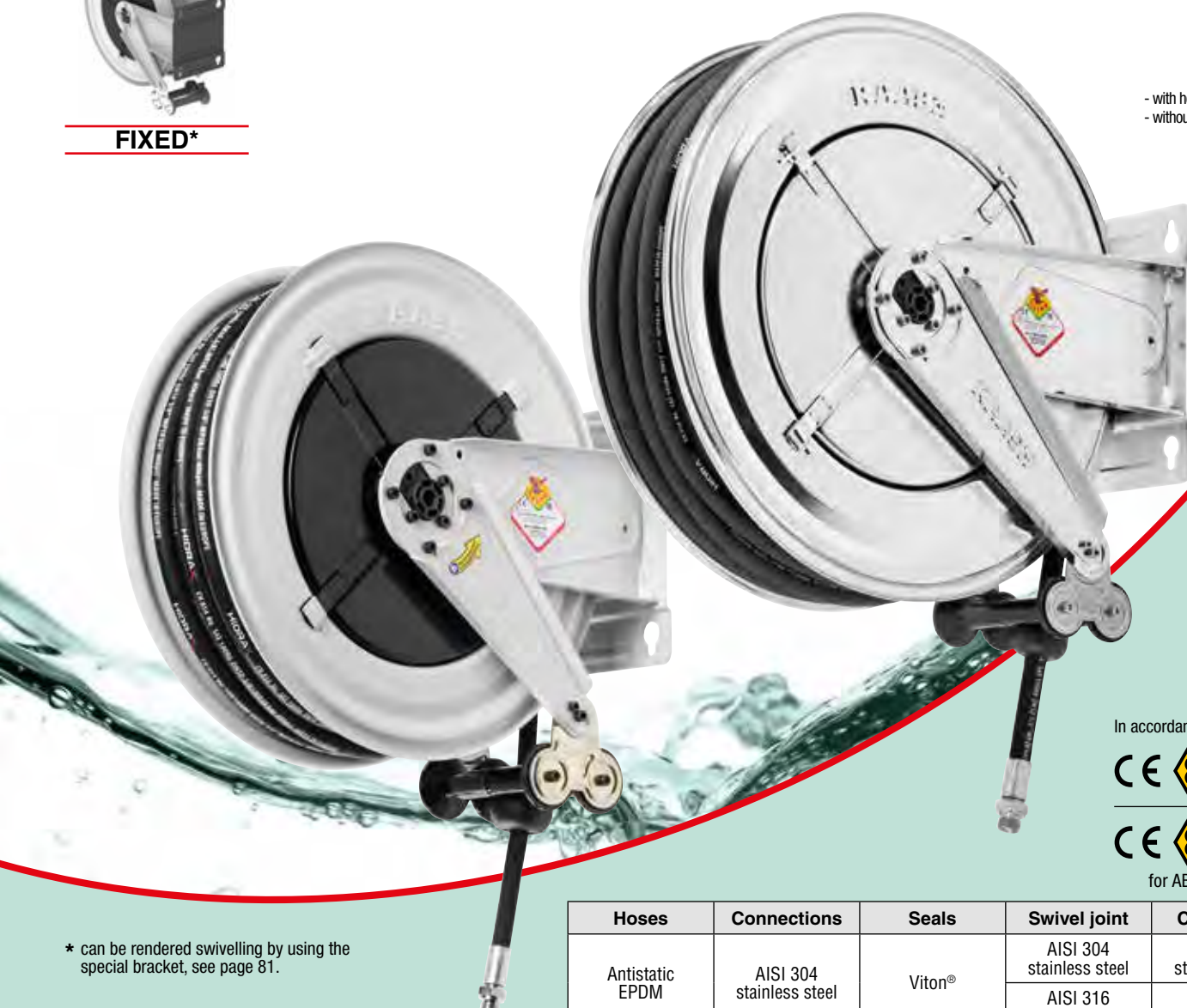
WITH SPRING



FIXED*



- with hose, see page 139
- without hose, max. 130 °C



In accordance with directive



for ABS versions

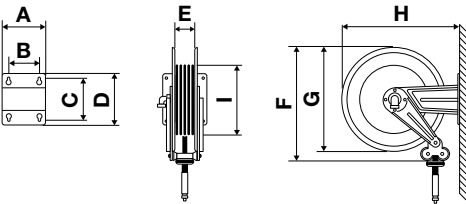
* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

Painted

ABS

Hoses	Connections	Seals	Swivel joint	Central pin
Antistatic EPDM	AISI 304 stainless steel	Viton®	AISI 304 stainless steel	AISI 304 stainless steel
			AISI 316 stainless steel	AISI 316 stainless steel

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H
	436 painted	337	302	160	203	150	450	415	456	264		580 x 280 x 590	
	436 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590	
	437 s. steel	186	140	197	226	97	450	415	456	264		580 x 280 x 590	
	437 ABS	186	140	197	226	110	450	425	461	259		580 x 280 x 590	
	537	203	153	221	258	104	535	510	558	315		650 x 290 x 700	
(W: width - D: depth - H: height)													

(W: width - D: depth - H: height)

See specific catalogue





P/N	Central pin swivel joint	Hose supplied	Connection		Weight
			inlet	outlet	

PAINTED STEEL

s. 436 painted 100 bar	8436.200	AISI 316 stainless steel	without hose *	G 1" (f)	G 3/4" (f)	20,0 kg
	8436.250	AISI 304 stainless steel	without hose *	G 1" (f)	G 3/4" (f)	22,0 kg
s. 436 painted 10 bar	8436.251	AISI 304 stainless steel	10 m - 19 x 27 mm (987.210)	G 3/4" (f)	G 3/4" (m)	29,4 kg
	8436.252	AISI 304 stainless steel	15 m - 19 x 27 mm (987.215)	G 3/4" (f)	G 3/4" (m)	32,4 kg

* Hose reel capacity	inner hose Ø	1/2"	5/8"	3/4"
	max. length	16 m	14 m	8 m

s. 436 ABS 100 bar	9436.200	AISI 304 stainless steel	without hose *	G 1/2" (f)	G 1/2" (m)	15,8 kg
s. 436 ABS 10 bar	9436.201	AISI 304 stainless steel	8 m - 19 x 27 mm (987.208)	G 3/4" (f)	G 3/4" (m)	20,7 kg

* Hose reel capacity	inner hose Ø	1/2"	5/8"	3/4"
	max. length	16 m	14 m	8 m

AISI 304 STAINLESS STEEL

s. 437 s. steel 100 bar	8434.250	AISI 304 stainless steel	without hose *	G 1" (f)	G 3/4" (f)	17,0 kg
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* Hose reel capacity	inner hose Ø	1/2"	5/8"	3/4"
	max. length	16 m	14 m	8 m

s. 437 ABS 100 bar	9437.200	AISI 304 stainless steel	without hose *	G 1/2" (f)	G 1/2" (m)	15,8 kg
s. 437 ABS 10 bar	9437.201	AISI 304 stainless steel	8 m - 19 x 27 mm (987.208)	G 3/4" (f)	G 3/4" (m)	20,7 kg

* Hose reel capacity	inner hose Ø	1/2"	5/8"	3/4"
	max. length	16 m	14 m	8 m

s. 537 s. steel 100 bar	8537.200	AISI 316 stainless steel	without hose *	G 1" (f)	G 1" (f)	22,5 kg
	8534.250	AISI 304 stainless steel	without hose *	G 1" (f)	G 1" (f)	22,5 kg
s. 537 s. steel 10 bar	8537.251	AISI 304 stainless steel	10 m - 19 x 27 mm (987.210)	G 3/4" (f)	G 3/4" (m)	27,0 kg
	8537.252	AISI 304 stainless steel	15 m - 19 x 27 mm (987.215)	G 3/4" (f)	G 3/4" (m)	31,0 kg

* Hose reel capacity	inner hose Ø	5/8"	3/4"	1"
	max. length	22 m	12 m	8 m

Prepared with outlet connection for Ø 3/4" hoses



Type of fluid
LPG-METHANE

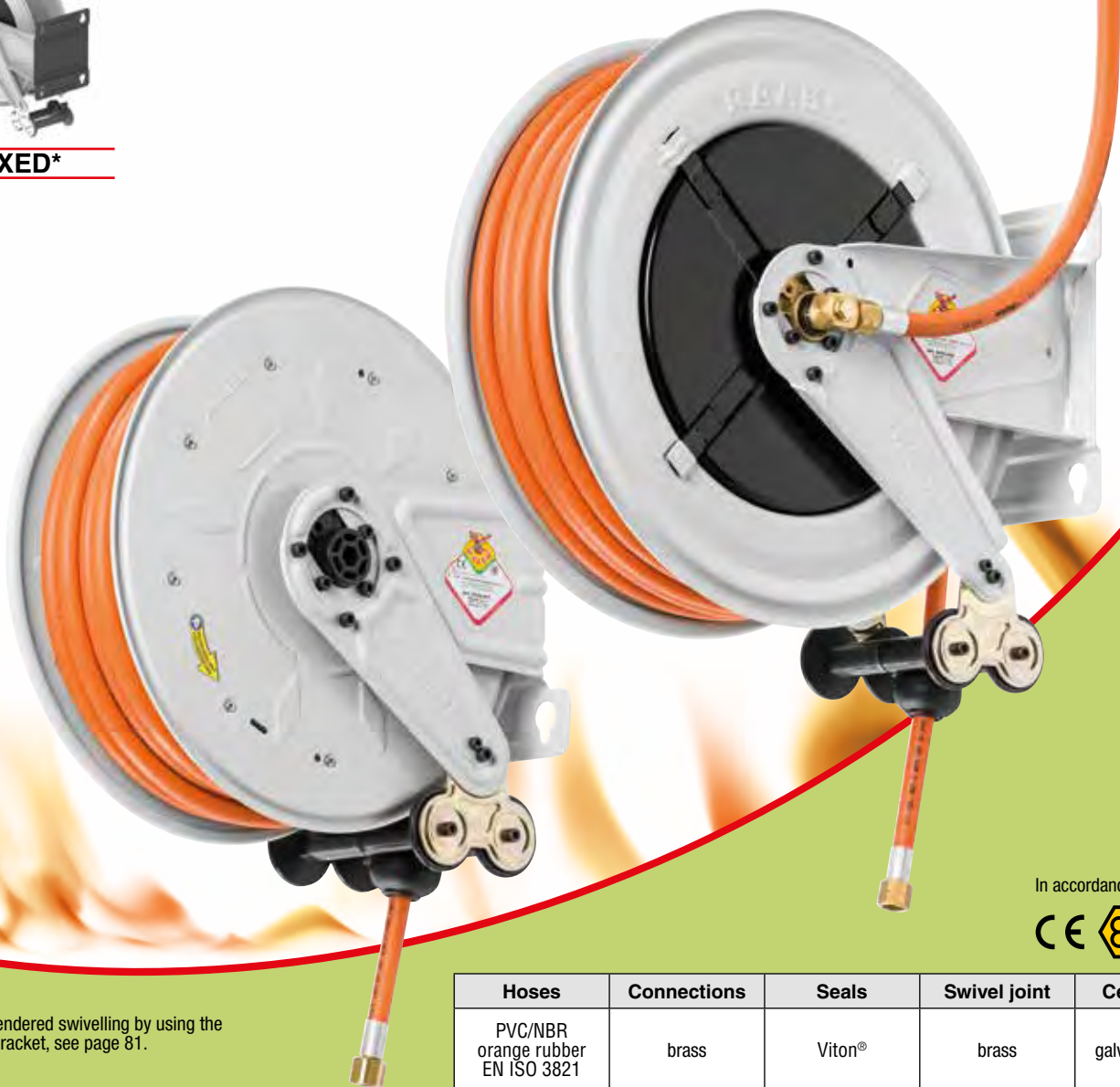
Pressure
20 bar

Material
PAINTED STEEL

WITH SPRING



FIXED*



In accordance with directive

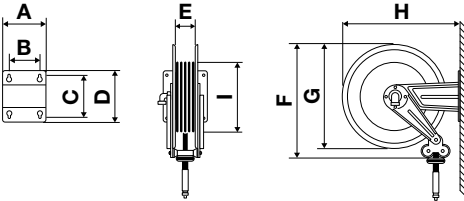


* can be rendered swivelling by using the special bracket, see page 81.

DRUM COLOURS

S. 330 - 390

Hoses	Connections	Seals	Swivel joint	Central pin
PVC/NBR orange rubber EN ISO 3821	brass	Viton®	brass	galvanized steel

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H
	330	186	140	196	226	98	390	350	365	155		510 x 260 x 520	
	390	186	140	196	226	98	410	390	410	155		580 x 280 x 590	
	430	186	140	197	226	97	450	415	456	264		580 x 280 x 590	
	530	203	153	221	258	104	535	510	558	315		650 x 290 x 700	
	540	300	218	227	268	165	535	510	572	315		660 x 390 x 690	
(W: width - D: depth - H: height)													

(W: width - D: depth - H: height)



P/N	Hose supplied	Connection		Weight
		inlet	outlet	
s. 330	8330.800	without hose *		12,5 kg
	8330.801	8 m - 8 x 15 mm (974.1008)	G 3/8" (f) LH	14,5 kg
	8330.802	10 m - 10 x 17 mm (975.1010)	G 3/8" (f) LH	15,3 kg
* Hose reel capacity		inner hose Ø	1/4" 5/16" 3/8" 1/2"	
		max. length	20 m 20 m 18 m 15 m	
s. 390	8390.800	without hose *		13,5 kg
	8390.801	15 m - 8 x 15 mm (974.1015)	G 3/8" (f) LH	16,6 kg
	8390.802	15 m - 10 x 17 mm (975.1015)	G 3/8" (f) LH	17,3 kg
* Hose reel capacity		inner hose Ø	1/4" 5/16" 3/8" 1/2"	
		max. length	20 m 20 m 18 m 15 m	
s. 430	8430.800	without hose *		18,5 kg
	8430.802	20 m - 8 x 15 mm (974.1020)	G 3/8" (f) LH	22,3 kg
	8430.804	18 m - 10 x 17 mm (975.1018)	G 3/8" (f) LH	23,0 kg
* Hose reel capacity		inner hose Ø	5/16" 3/8" 1/2" 5/8"	
		max. length	20 m 20 m 16 m 14 m	
s. 530	8530.800	without hose *		21,0 kg
	8530.802	28 m - 8 x 15 mm (974.1028)	G 3/8" (f) LH	26,3 kg
	8530.804	27 m - 10 x 17 mm (975.1027)	G 3/8" (f) LH	28,0 kg
* Hose reel capacity		inner hose Ø	3/8" 1/2" 5/8"	
		max. length	25 m 25 m 22 m	
s. 540	8540.800	without hose *		28,0 kg
	8540.802	30 m - 10 x 17 mm (975.1030)	G 3/8" (f) LH	35,0 kg
* Hose reel capacity		inner hose Ø	3/8" 1/2" 5/8"	
		max. length	30 m 30 m 30 m	

LH (Left hand): counter-clockwise turning direction



Hose reel
WELDING

Pressure
20 bar

Material
PAINTED STEEL

WITH SPRING



FIXED*



In accordance with directive



* can be rendered swivelling by using the special bracket, see page 81.

Hoses	Connections	Seals	Swivel joint	Central pin
SBR/EPDM for oxy-acetylene EN ISO 3821	brass	Viton®	brass	galvanized steel

Overall dimensions (mm)											Packaging (mm) W x D x H	
Series	A	B	C	D	E	F	G	H	I			
430	186	140	197	226	97	450	415	456	264		580 x 280 x 590	
530	203	153	221	258	104	535	510	558	315		650 x 290 x 700	
540	300	218	227	268	165	535	510	572	315		660 x 390 x 690	

(W: width - D: depth - H: height)



P/N	Hose supplied	Connection		Weight
		inlet	outlet	
s. 430	8430.700	without hose *		18,5 kg
	8430.701	13 m - 2 x 6 mm - (2 x 1/4") (973.913)	G 3/8" (f)	23,7 kg
	8430.702	12 m - 2 x 8 mm - (2 x 5/16") (974.912)	G 3/8" (f)	23,4 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 13 m 2 x 5/16" 12 m 2 x 3/8" 10 m	
s. 530	8530.700	without hose *		23,2 kg
	8530.701	17 m - 2 x 6 mm - (2 x 1/4") (973.917)	G 3/8" (f)	29,7 kg
	8530.702	20 m - 2 x 6 mm - (2 x 1/4") (973.920)	G 3/8" (f)	30,9 kg
	8530.703	15 m - 2 x 8 mm - (2 x 5/16") (974.915)	G 3/8" (f)	29,4 kg
	8530.704	20 m - 2 x 8 mm - (2 x 5/16") (974.920)	G 3/8" (f)	31,7 kg
	8530.705	15 m - 2 x 9 mm - (2 x 3/8") (975.915)	G 3/8" (f)	31,5 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 22 m 2 x 5/16" 20 m 2 x 3/8" 15 m	
s. 540	8540.700	without hose *		30,0 kg
	8540.701	25 m - 2 x 6 mm (2 x 1/4") (973.925)	G 3/8" (f)	38,8 kg
	8540.702	30 m - 2 x 6 mm (2x1/4") (973.930)	G 3/8" (f)	39,2 kg
	8540.704	25 m - 2 x 8 mm (2 x 5/16") (974.925)	G 3/8" (f)	40,2 kg
	8540.705	30 m - 2 x 8 mm (2 x 5/16") (974.930)	G 3/8" (f)	42,2 kg
	8540.707	20 m - 2 x 9 mm (2 x 3/8") (975.920)	G 3/8" (f)	40,0 kg
	8540.709	27 m - 2 x 9 mm (2 x 3/8") (975.927)	G 3/8" (f)	42,6 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 37 m 2 x 5/16" 35 m 2 x 3/8" 27 m	



Hose reel
**DOUBLE INLET AND
DOUBLE OUTLET**

Pressure
**20-200
400-700 bar**

Material
**PAINTED
STEEL**

WITH SPRING



FIXED*

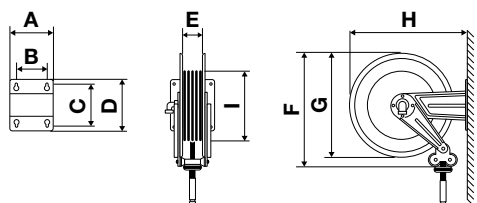


In accordance with directive



* can be rendered swivelling by using the special bracket, see page 81.

	Seals	Swivel joint	Central pin
AIR-WATER 20 bar	Viton®	brass	galvanized steel
OIL-WATER 200 bar	Viton®	AISI 304 s. steel	galvanized steel
OIL-PAINTS 200 bar	polyurethane	galvanized steel	galvanized steel
OIL 400 bar	polyurethane	galvanized steel	galvanized steel
OIL-WATER 700 bar	Viton® - Teflon®	AISI 304 s. steel	galvanized steel
			

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
			430	186	140	197	226	97	450	415	456	264		580 x 280 x 590
			530	203	153	221	258	104	535	510	558	315		650 x 290 x 700
			540	300	218	227	268	165	535	510	572	315		660 x 390 x 690

(W: width - D: depth - H: height)

Twin hose reels can be used for all applications that need
to **simultaneously supply two fluids** or to **recirculate a single fluid**.



s. 430



s. 530



s. 540

P/N	Hose supplied	Connection		Weight
		inlet	outlet	

AIR-WATER 20 bar

s. 430	8430.1000	without hose *			G 1/2" (f)	G 3/8" (m)	18,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 13 m	2 x 5/16" 12 m	2 x 3/8" 10 m		
s. 530	8530.1000	without hose *			G 1/2" (f)	G 3/8" (m)	25,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 22 m	2 x 5/16" 20 m	2 x 3/8" 15 m		
s. 540	8540.1000	without hose *			G 1/2" (f)	G 3/8" (m)	30,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 37 m	2 x 5/16" 35 m	2 x 3/8" 25 m		

OIL-WATER 200 bar

s. 430	8430.3000	without hose *			G 3/8" (f)	G 3/8" (m)	18,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 13 m	2 x 5/16" 12 m	2 x 3/8" 10 m		
s. 530	8530.3000	without hose *			G 3/8" (f)	G 3/8" (m)	25,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 22 m	2 x 5/16" 20 m	2 x 3/8" 15 m		
s. 540	8540.3000	without hose *			G 3/8" (f)	G 3/8" (m)	30,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 37 m	2 x 5/16" 35 m	2 x 3/8" 27 m		

OIL-PAINTS 200 bar

s. 430	8430.4000	without hose *			G 1/2" (f)	G 3/8" (m)	18,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 13 m	2 x 5/16" 12 m	2 x 3/8" 10 m		
s. 530	8530.4000	without hose *			G 1/2" (f)	G 3/8" (m)	25,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 22 m	2 x 5/16" 20 m	2 x 3/8" 15 m		
s. 540	8540.4000	without hose *			G 1/2" (f)	G 3/8" (m)	30,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 37 m	2 x 5/16" 35 m	2 x 3/8" 27 m		

OIL 400 bar

s. 430	8430.5000	without hose *			G 3/8" (f)	G 3/8" (m)	18,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 5/16" 12 m	2 x 3/8" 10 m			
s. 530	8530.5000	without hose *			G 3/8" (f)	G 3/8" (m)	25,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 3/8" 15 m	2 x 5/16" 20 m			
s. 540	8540.5000	without hose *			G 3/8" (f)	G 3/8" (m)	30,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 37 m	2 x 5/16" 35 m	2 x 3/8" 27 m		

OIL-WATER 700 bar

s. 430	8430.5500	without hose *			G 3/8" (f)	G 3/8" (m)	18,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 5/16" 12 m	2 x 3/8" 10 m			
s. 530	8530.5500	without hose *			G 3/8" (f)	G 3/8" (m)	25,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 5/16" 20 m	2 x 3/8" 15 m			
s. 540	8540.5500	without hose *			G 3/8" (f)	G 3/8" (m)	30,0 kg
* Hose reel capacity		inner hose Ø max. length	2 x 1/4" 37 m	2 x 5/16" 35 m	2 x 3/8" 27 m		

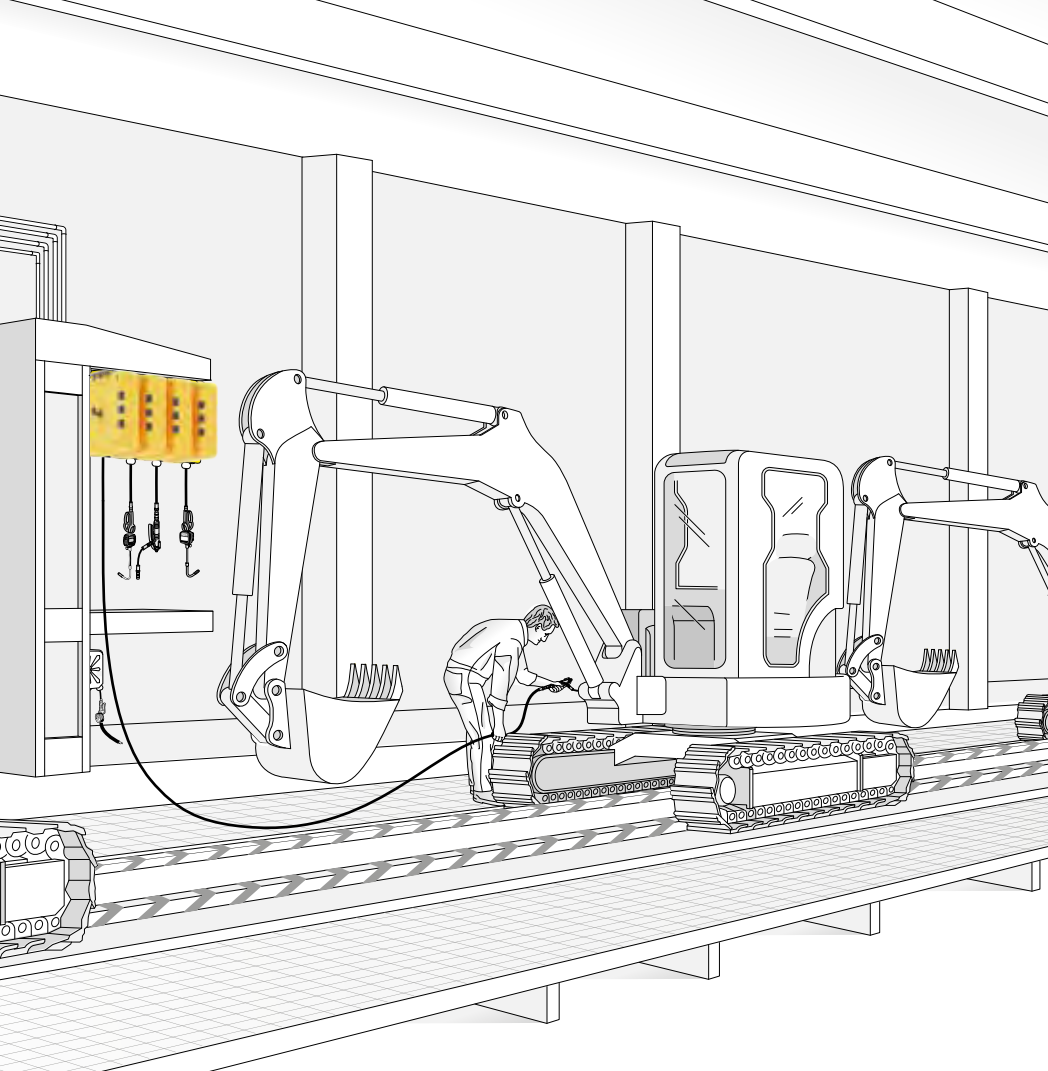


**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED **ENCLOSED HOSE REELS**

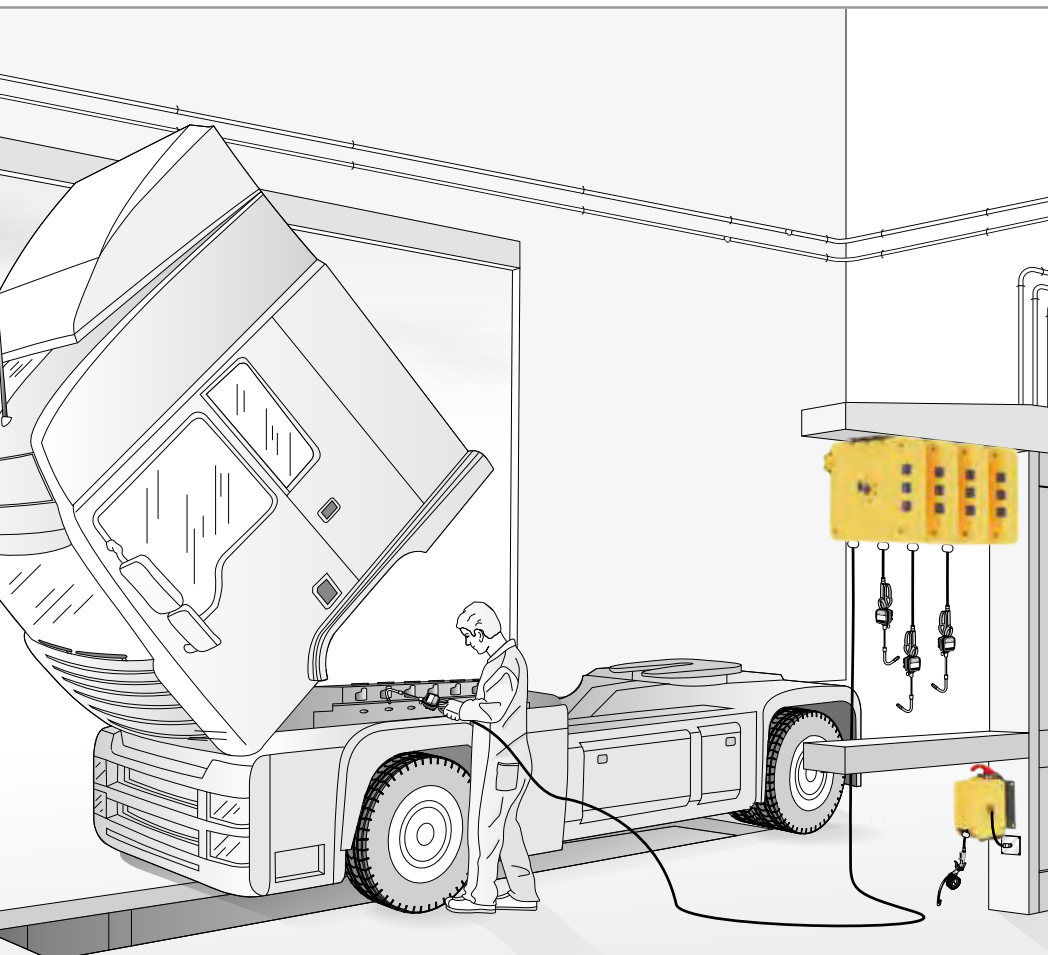


EXAMPLES OF **USE**



GREASING EXCAVATORS ON ASSEMBLY LINES

IN-SHOP MAINTENANCE OPERATIONS



AUTOMOTIVE

LUBE TRUCKS
AND INDUSTRIAL
VEHICLES

MINING
INDUSTRY

BUILDING
AND ROAD
CONSTRUCTION

RAILWAY
TRANSPORT

...and much more



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED **ENCLOSED HOSE REELS**



STRENGTH POINTS

- Repeated spring stress-tests guarantees decades of life and efficiency.
- All models comply with the ATEX directive for use in environments with potentially explosive atmospheres.
- Hose guide with rollers on 4 sides, horizontal and vertical, standard on all models, designed to extend average hose life.
- Hose stop available for all standard models, even those supplied without hose.
- The spring force is both constant and adjustable. Thus use can be fine-tuned to the specific needs of each application.
- All sliding parts, such as bushing and the rack, are made of special technopolymers tested for long-term use.

TECHNICAL CHARACTERISTICS

Visit our
website



FIXING BRACKET

Has 4 slotted holes for safe, easy installation.

PAWL

Easy to remove for maintenance or when the work requires free sliding.

STOP RACK

Makes it possible to lock the hose around every 0,5 m.

SPRING

Tested to withstand over 20000 work cycles.

HOSE GUIDE

SWIVEL JOINT

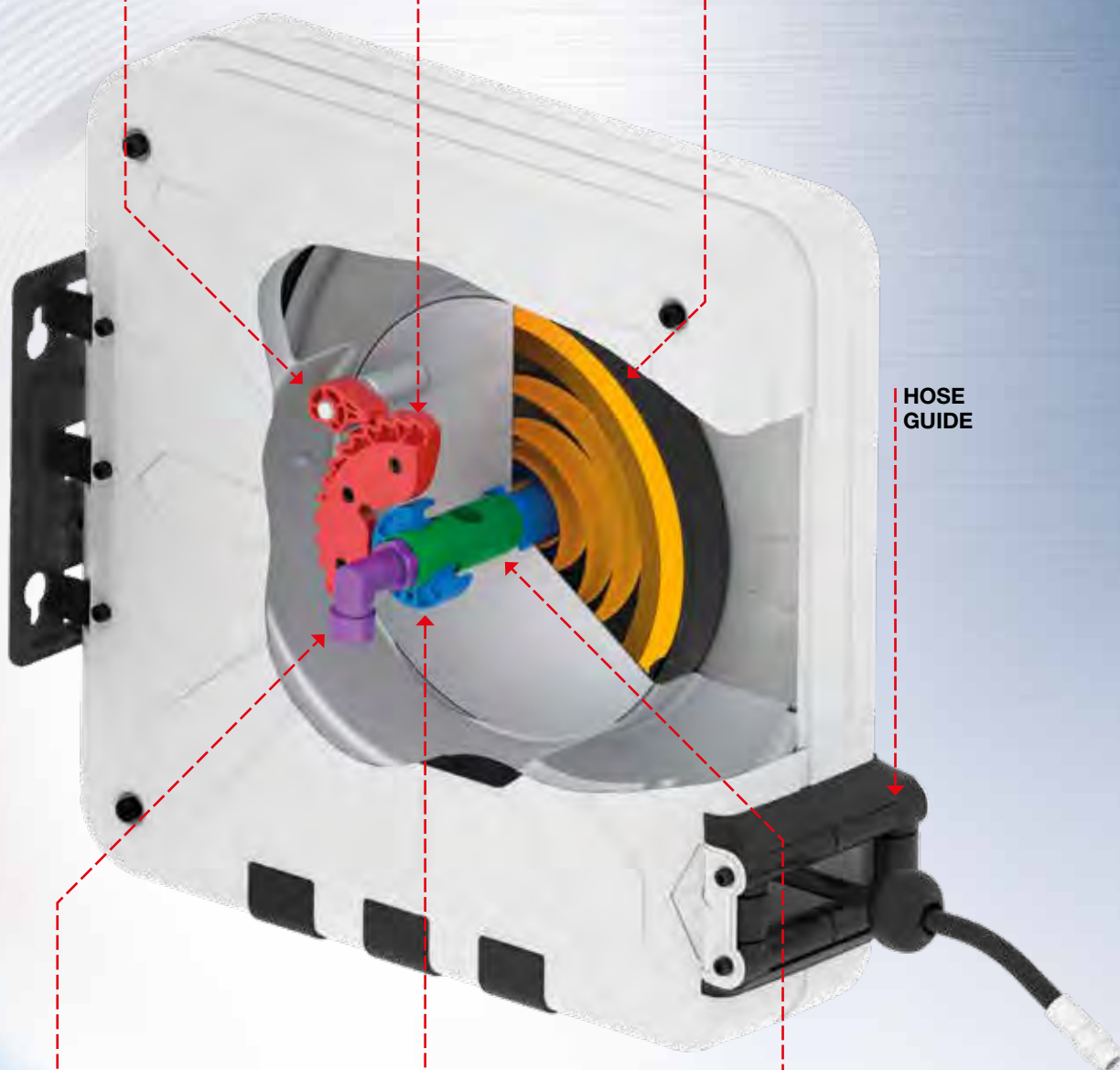
Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.

DRUM SUPPORT BUSHING

Made of self-lubricating technopolymer with excellent corrosion resistance.

CENTRAL PIN

Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.



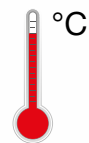
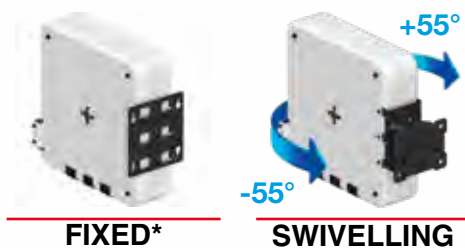


Hose reel
ENCLOSED

Pressure
**20-150
400-600 bar**

Material
**- PAINTED STEEL
- ABS**

WITH SPRING



- with hose, see page 139
- without hose:
with brass swivel joint
max. 100 °C
with galvanized steel
swivel joint max. 80 °C



* can be rendered swivelling by using the special bracket, see page 81.

In accordance with directive



for ABS and enclosed
models 20 bar

Enclosed hose reels are used for the following fluids:

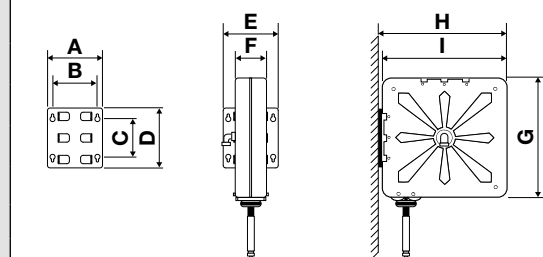
	Hoses	Connections	Seals	Swivel joint	Central pin
AIR-WATER 20 bar	black rubber	galvanized steel	Viton®	brass	galvanized steel
OIL AND SIMILAR 150 bar	black rubber	galvanized steel	polyurethane	galvanized steel	galvanized steel
FOR SUCTION OF OIL AND SIMILAR	black rubber	galvanized steel	Viton®	brass	galvanized steel
GREASE 400-600 bar	black rubber	galvanized steel	polyurethane	galvanized steel	galvanized steel
					

COVER COLOURS

Painted ☐ ☐ ☐

Overall dimensions (mm)				Series 450	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
				FIXED	217	177	180	236	217	140	485	495	485		620 x 290 x 620
				SWIVEL.	208	162	118	164	208	140	485	575	485		620 x 290 x 620
				(W: width - D: depth - H: height)											

(W: width - D: depth - H: height)





P/N		Hose supplied	Connection		Weight	
fixed	swivelling		inlet	outlet	fixed	swivelling

AIR-WATER 20 bar

s. 450	8450.100	8440.100	without hose *	G 1/2" (f)	G 1/2" (f)	22,2 kg	23,0 kg
	8450.101	8440.101	12 m - 3/8" (995.212)	G 1/2" (f)	G 3/8" (m)	24,7 kg	25,5 kg
	8450.102	8440.102	18 m - 3/8" (995.218)	G 1/2" (f)	G 3/8" (m)	25,4 kg	26,2 kg
	8450.103	8440.103	10 m - 1/2" (996.210)	G 1/2" (f)	G 1/2" (m)	25,2 kg	26,0 kg
	8450.104	8440.104	15 m - 1/2" (996.215)	G 1/2" (f)	G 1/2" (m)	26,1 kg	26,9 kg

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 450 ABS drum	9450.100	-	without hose *	G 1/2" (f)	G 1/2" (f)	19,5 kg	-
	9450.101	-	12 m - 3/8" (995.212)	G 1/2" (f)	G 3/8" (m)	22,0 kg	-
	9450.102	-	18 m - 3/8" (995.218)	G 1/2" (f)	G 3/8" (m)	22,7 kg	-
	9450.103	-	10 m - 1/2" (996.210)	G 1/2" (f)	G 1/2" (m)	22,5 kg	-
	9450.104	-	15 m - 1/2" (996.215)	G 1/2" (f)	G 1/2" (m)	23,4 kg	-

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

OIL AND SIMILAR 150 bar

s. 450	8450.400	8440.400	without hose *	G 1/2" (f)	G 1/2" (f)	22,2 kg	23,0 kg
	8450.401	8440.401	10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	26,4 kg	27,2 kg
	8450.402	8440.402	15 m - 1/2" (996.315)	G 1/2" (f)	G 1/2" (m)	28,4 kg	29,2 kg

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

s. 450 ABS drum	9450.400	-	without hose *	G 1/2" (f)	G 1/2" (f)	19,5 kg	-
	9450.401	-	10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	23,7 kg	-
	9450.402	-	15 m - 1/2" (996.315)	G 1/2" (f)	G 1/2" (m)	25,7 kg	-

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

FOR SUCTION OF OIL AND SIMILAR

s. 450 for suction	8450.401/AS	8440.401/AS	10 m - 1/2" (996.310)	G 1/2" (f)	G 1/2" (m)	27,0 kg	27,8 kg
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* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	10 m	10 m	10 m

GREASE 400-600 bar

s. 450 600 bar	8450.500	8440.500	without hose *	G 3/8" (f)	G 1/2" (f)	22,2 kg	23,0 kg
s. 450 400 bar	8450.501	8440.501	12 m - 1/4" (993.512)	G 3/8" (f)	G 1/4" (m)	25,9 kg	26,7 kg
	8450.502	8440.502	18 m - 1/4" (993.518)	G 3/8" (f)	G 1/4" (m)	27,6 kg	28,4 kg
	8450.505	8440.505	10 m - 3/8" (995.710)	G 3/8" (f)	G 1/4" (m)	26,8 kg	27,6 kg
	8450.506	8440.506	15 m - 3/8" (995.715)	G 3/8" (f)	G 1/4" (m)	28,6 kg	29,4 kg

* Hose reel capacity	inner hose Ø	5/16"	3/8"
	max. length	12 m	15 m

s. 450 ABS drum 600 bar	9450.500	-	without hose *	G 3/8" (f)	G 1/2" (f)	19,5 kg	-
s. 450 ABS drum 400 bar	9450.501	-	12 m - 1/4" (993.512)	G 3/8" (f)	G 1/4" (m)	23,2 kg	-
	9450.502	-	18 m - 1/4" (993.518)	G 3/8" (f)	G 1/4" (m)	24,9 kg	-
	9450.505	-	10 m - 3/8" (995.710)	G 3/8" (f)	G 1/4" (m)	24,1 kg	-
	9450.506	-	15 m - 3/8" (995.715)	G 3/8" (f)	G 1/4" (m)	25,9 kg	-

* Hose reel capacity	inner hose Ø	5/16"	3/8"	1/2"
	max. length	20 m	20 m	16 m

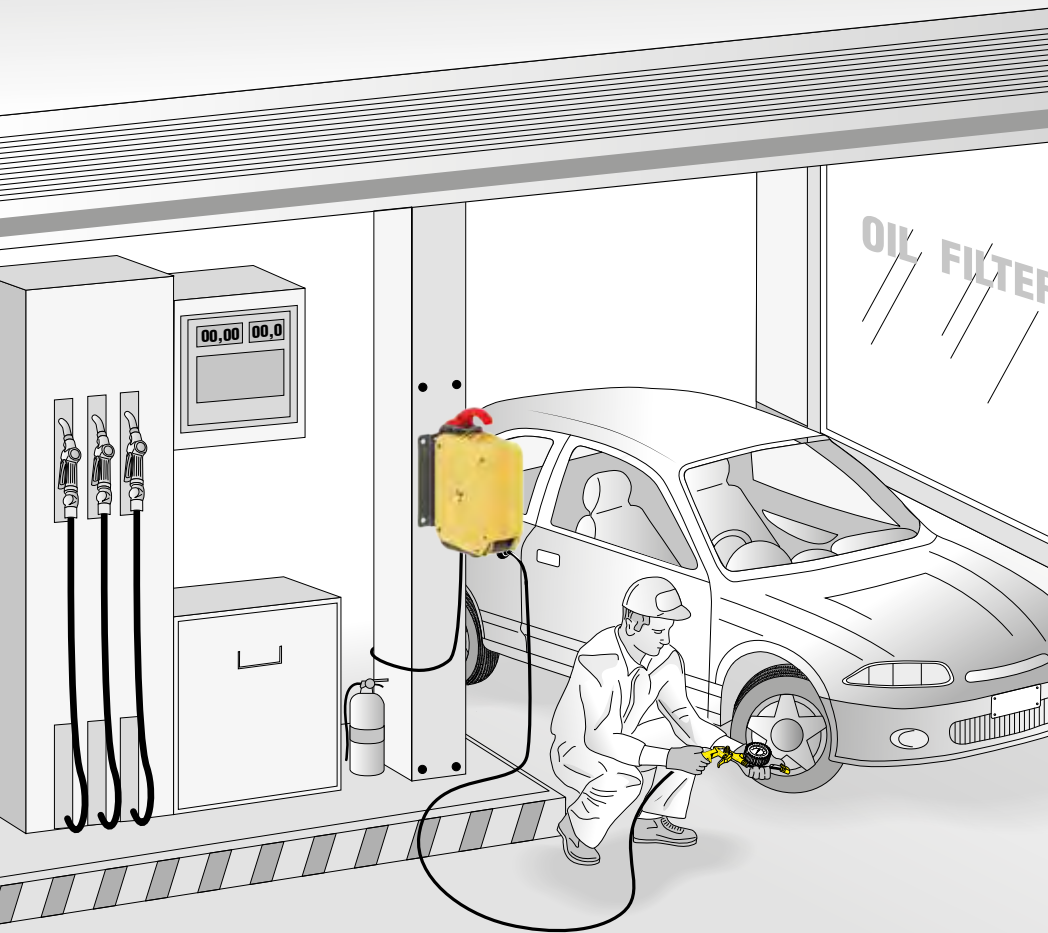


**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED HOSE REELS WITH POLYURETHANE HOSE

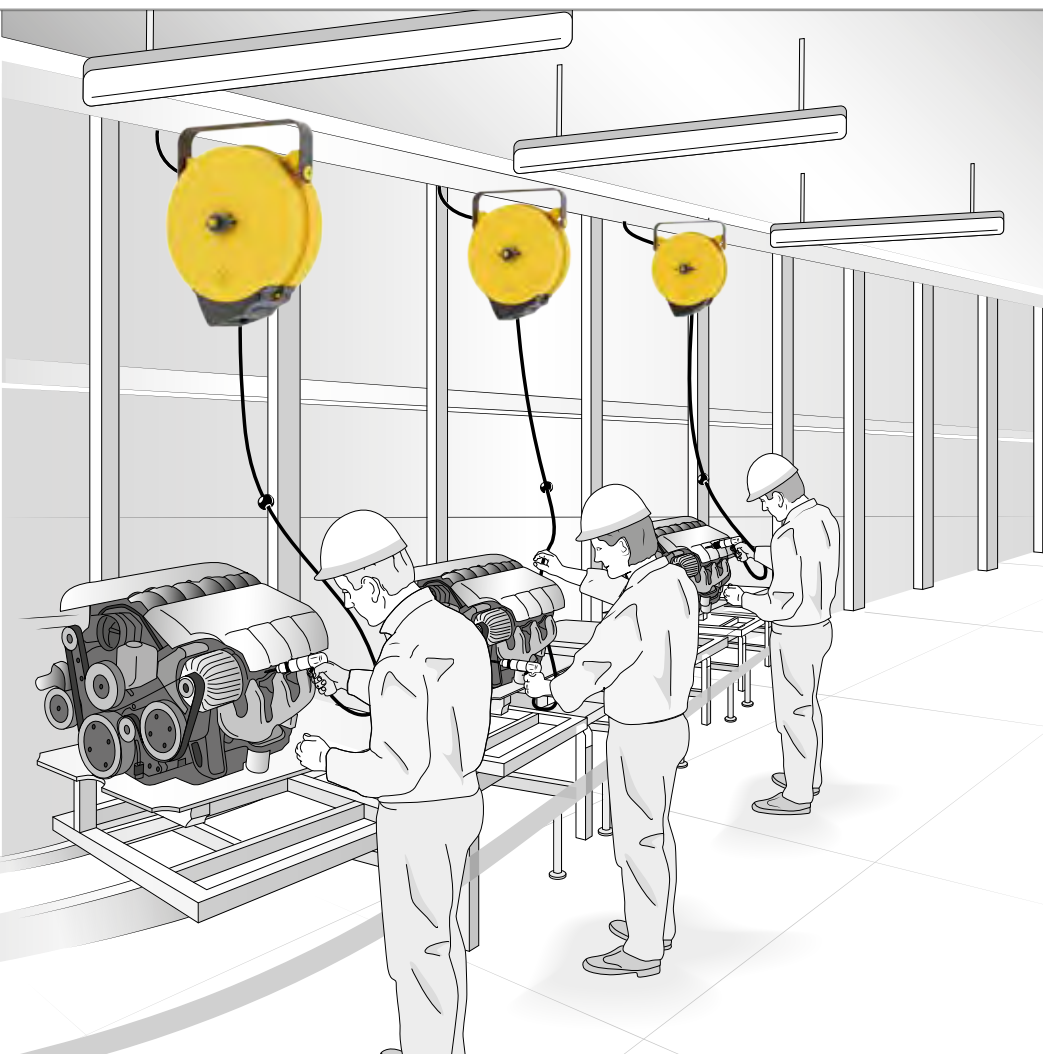


EXAMPLES OF **USE**



RESTORE OPERATING PRESSURE IN SERVICE STATIONS

**POWERING PNEUMATIC EQUIPMENT
AT MANUFACTURING SITES**



AUTOMOTIVE

CLEANING

SHIPPING AND
OFFSHORE

MANUFACTUR-
ING INDUSTRY

BUILDING
AND ROAD
CONSTRUCTION

...and much more



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED HOSE REELS WITH POLYURETHANE HOSE

✓ STRENGTH POINTS

- Repeated spring stress-tests guarantees decades of life and efficiency.
- All models comply with the ATEX directive for use in environments with potentially explosive atmospheres.
- Hose stop available for all standard models, even those supplied without hose.
- The spring force is both constant and adjustable. Thus use can be fine-tuned to the specific needs of each application.
- All sliding parts, such as bushing and the rack, are made of special technopolymers tested for long-term use.
- Light, resistant polyurethane hose with metal spiral tips to safeguard durability and integrity.

TECHNICAL CHARACTERISTICS

Visit our
website



FIXING BRACKET

Has 4 slotted holes for safe, easy installation.

PAWL

Easy to remove for maintenance or when the work requires free sliding.

STOP RACK

Makes it possible to lock the hose around every 0,5 m.

SPRING

Tested to withstand over 20000 work cycles.

MULTI POSITION ARMS

Hose outlet position can be changed manually by modifying the installation of the arms.

HOSE GUIDE

Designed with ample width and roller arrangement to reduce wear on the hose.

DRUM SUPPORT BUSHING

Made of self-lubricating technopolymer with excellent wear and corrosion resistance.

CENTRAL PIN

Designed to minimise load losses.

SWIVEL JOINT

Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.



Type of fluid
AIR-WATER

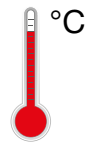
Pressure
20 bar

Material
- PAINTED STEEL
- ABS

WITH SPRING



FIXED*



Max. temperature 70 °C



In accordance with directive

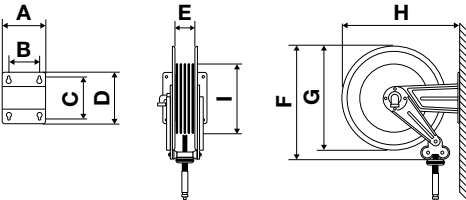


* can be rendered swivelling
(except for s. 250) by using the
special bracket, see page 81.

	Hoses	Connections	Seals	Swivel joint	Central pin
S. 250	Atoxic polyurethane	brass	Viton®	Delrin® - brass	Delrin®
S. 290-330-390				brass	nylon PA6
S. 430				brass	galvanized steel

DRUM COLOURS

Painted

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
	250	186	140	196	225	90	-	255	282	110		330 x 200 x 300		
	290	186	140	196	226	98	330	300	339	135		470 x 260 x 490		
	330	186	140	196	226	98	390	350	365	155		510 x 260 x 520		
	390	186	140	196	226	98	410	390	410	155		580 x 280 x 590		
	430	186	140	197	226	97	450	415	456	264		580 x 280 x 590		
(W: width - D: depth - H: height)														

(W: width - D: depth - H: height)



P/N	Hose supplied	Connection		Weight
		inlet	outlet	

s. 250 ABS	HOSE REEL FOR SERVICE COLUMNS WITH STEEL BRACKET AND ABS DRUM				
	92438.101	12 m - 8 x 12 mm (971.112)	G 3/8" (m)	G 1/4" (m)	7,6 kg
	92438.102	10 m - 10 x 14,5 mm (972.110)	G 3/8" (m)	G 3/8" (m)	7,8 kg

Hose guide available as accessory, see page 83

s. 290	8288.100	without hose *	G 3/8" (m)	G 3/8" (f)	9,5 kg
	8288.102	13 m - 10 x 14,5 mm (972.113)	G 3/8" (m)	G 3/8" (m)	11,3 kg
	8288.103	15 m - 8 x 12 mm (971.115)	G 3/8" (m)	G 1/4" (m)	11,0 kg
	8288.104	10 m - 6 x 10 mm (971.010)	G 3/8" (m)	G 1/4" (m)	10,5 kg
	8288.105	15 m - 6 x 10 mm (971.015)	G 3/8" (m)	G 1/4" (m)	10,9 kg

* Hose reel capacity	inner hose Ø	8 x 12	10 x 14,5
	max. length	16 m	14 m

s. 330	8328.100	without hose *	G 3/8" (m)	G 3/8" (f)	10,1 kg
	8328.102	15 m - 10 x 14,5 mm (972.115)	G 3/8" (m)	G 3/8" (m)	12,1 kg
	8328.103	18 m - 8 x 12 mm (971.118)	G 3/8" (m)	G 1/4" (m)	11,8 kg
	8328.104	8 m - 13 x 19 mm (976.108)	G 1/2" (m)	G 1/2" (m)	12,0 kg
	8328.105	12 m - 13 x 19 mm (976.112)	G 1/2" (m)	G 1/2" (m)	15,9 kg

* Hose reel capacity	inner hose Ø	8 x 12	10 x 14,5	13 x 19
	max. length	18 m	16 m	12 m

s. 390	8378.100	without hose *	G 3/8" (m)	G 3/8" (f)	13,5 kg
	8378.102	20 m - 10 x 14,5 mm (972.120)	G 3/8" (m)	G 3/8" (m)	18,2 kg
	8378.103	20 m - 8 x 12 mm (971.120)	G 3/8" (m)	G 1/4" (m)	15,4 kg
	8378.104	10 m - 13 x 19 mm (976.110)	G 1/2" (m)	G 1/2" (m)	16,6 kg
	8378.105	15 m - 13 x 19 mm (976.114)	G 1/2" (m)	G 1/2" (m)	17,0 kg

* Hose reel capacity	inner hose Ø	8 x 12	10 x 14,5	13 x 19
	max. length	18 m	16 m	12 m

s. 430	8430.100	without hose *	G 1/2" (f)	G 1/2" (f)	15,2 kg
	8438.101	10 m - 13 x 19 mm (976.111)	G 1/2" (f)	G 1/2" (m)	18,3 kg
	8438.102	15 m - 13 x 19 mm (976.115)	G 1/2" (f)	G 1/2" (m)	18,9 kg

* Hose reel capacity	inner hose Ø	10 x 14,5	13 x 19	16 x 27
	max. length	20 m	16 m	14 m



ADVANCED FLUID
MANAGEMENT SOLUTIONS

SPRING OPERATED HOSE REELS WITH TECHNOPOLYMER COVER AND POLYURETHANE HOSE

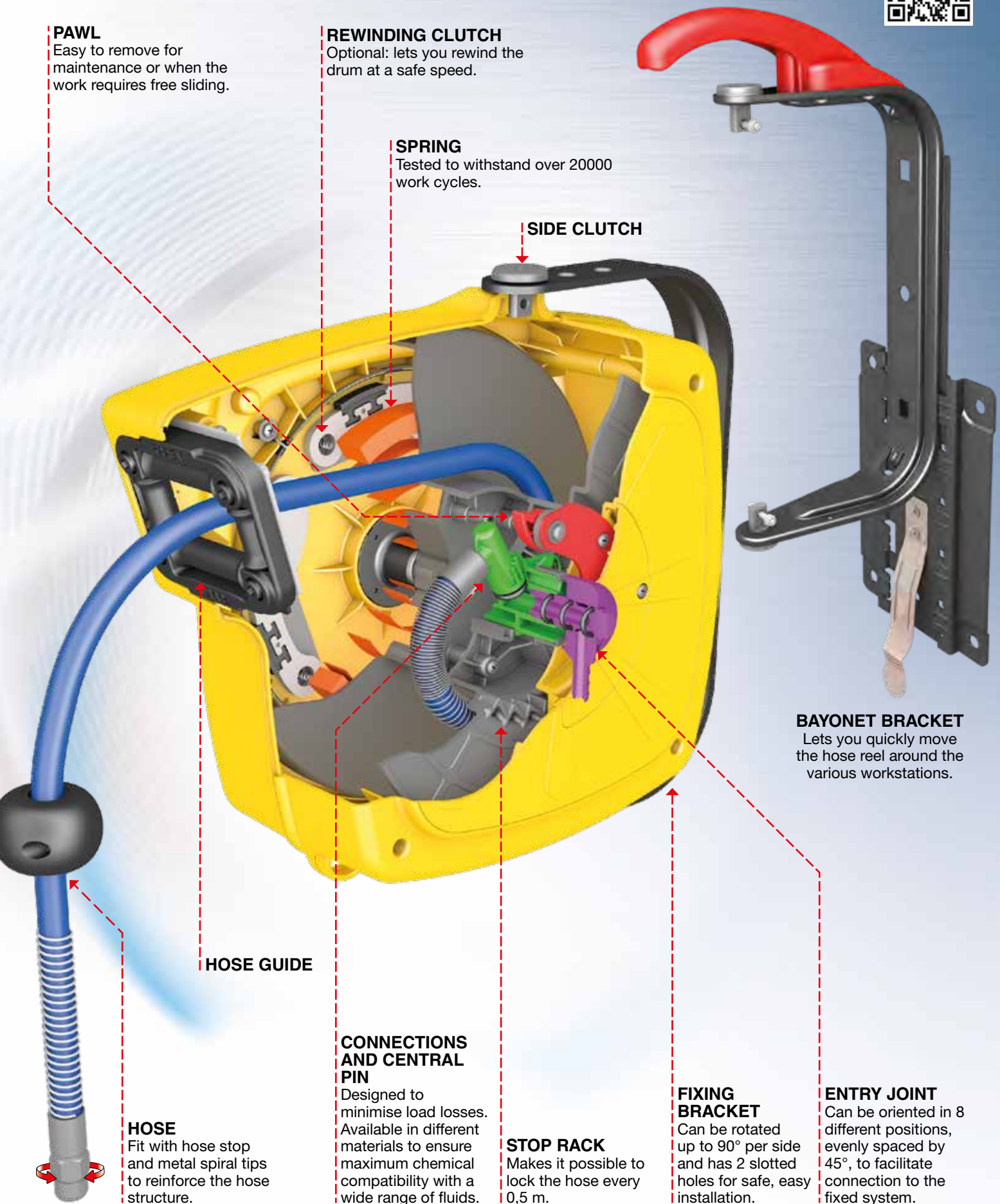


STRENGTH POINTS

- Comes standard with polyurethane hose that can be used with aqueous or detergent solutions at up to 70 °C.
- Hose guide with rollers, horizontal and vertical, on 4 sides, designed to extend average hose life, as standard on all models.
- The hose reel comes with a 1,5 m section of hose for connection to the fixed system.
- The standard swivelling bracket, with slotted fixing holes, has special seals that act as a clutch. The bracket can also be locked in the upright position or rotated 90°.
- An optional rewind clutch is available, useful to protect against accidental, uncontrolled rewinding of the hose.
- An optional bayonet bracket, which lets you quickly move the hose reel around the various workstations, is also available.

TECHNICAL CHARACTERISTICS

Visit our
website



PAWL

Easy to remove for maintenance or when the work requires free sliding.

REWINDING CLUTCH

Optional: lets you rewind the drum at a safe speed.

SPRING

Tested to withstand over 20000 work cycles.

SIDE CLUTCH

HOSE GUIDE

HOSE

Fit with hose stop and metal spiral tips to reinforce the hose structure.

CONNECTIONS AND CENTRAL PIN

Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.

STOP RACK

Makes it possible to lock the hose every 0,5 m.

FIXING BRACKET

Can be rotated up to 90° per side and has 2 slotted holes for safe, easy installation.

ENTRY JOINT

Can be oriented in 8 different positions, evenly spaced by 45°, to facilitate connection to the fixed system.

BAYONET BRACKET

Lets you quickly move the hose reel around the various workstations.



Type of fluid
AIR-WATER

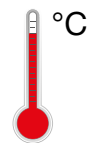
Pressure
20 bar

Material
TECHNOPOLYMER

WITH SPRING



SWIVELLING



Max. temperature 70 °C



COVER COLOURS

ABS s. 260

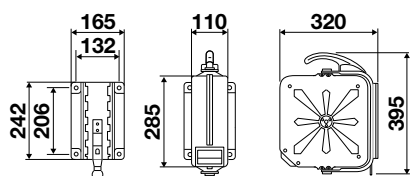


Polypropylene s. 280



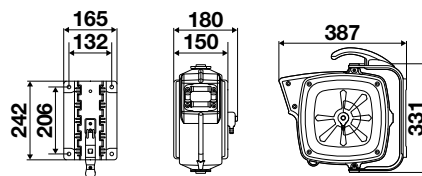
Hoses	Connections	Seals	Swivel joint	Central pin
Atoxic polyurethane	brass	Viton®	brass	galvanized steel
			Delrin®	Delrin®

Overall dimensions (mm) with bayonet hooking s. 260



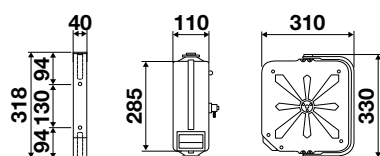
Packaging (mm)
W 470 x D 260 x H 490

Overall dimensions (mm) with bayonet hooking s. 280



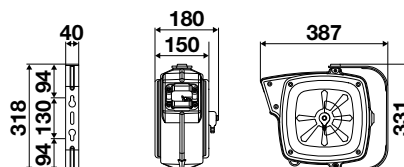
Packaging (mm)
W 470 x D 260 x H 490

Overall dimensions (mm) without bayonet hooking s. 260



Packaging (mm)
W 470 x D 260 x H 490

Overall dimensions (mm) without bayonet hooking s. 280



Packaging (mm)
L 470 x P 260 x H 490

(W: width - D: depth - H: height)

P/N	Hose supplied	Connection		Weight
		inlet	outlet	

WITH SWIVELLING WALL MOUNTED BRACKET WITH BAYONET HOOKING					
---	--	--	--	--	--

s. 260	89010	11 m - 8 x 12 mm (971.111)	G 1/4" (m)	G 1/4" (m)	6,5 kg
	89011	11 m - 6 x 10 mm (971.011)	G 1/4" (m)	G 1/4" (m)	7,3 kg

WITH SWIVELLING WALL MOUNTED BRACKET					
--------------------------------------	--	--	--	--	--

s. 260	89109	11 m - 8 x 12 mm (971.111)	G 1/4" (m)	G 1/4" (m)	5,8 kg
	89110	11 m - 6 x 10 mm (971.011)	G 1/4" (m)	G 1/4" (m)	5,6 kg

WITH SWIVELLING WALL MOUNTED BRACKET					
--------------------------------------	--	--	--	--	--

s. 280	92808.101	10 m - 8 x 12 mm (971.110)	G 3/8" (m)	G 1/4" (m)	8,2 kg
	92808.102	14 m - 8 x 12 mm (971.114)	G 3/8" (m)	G 1/4" (m)	8,5 kg
	92808.105	8+1 m - 10 x 14,5 mm (972.109)	G 3/8" (m)	G 3/8" (m)	8,6 kg

WITH SWIVELLING WALL MOUNTED BRACKET AND SPEED CONTROL					
--	--	--	--	--	--

s. 280	92848.101	10 m - 8 x 12 mm (971.110)	G 3/8" (m)	G 1/4" (m)	9,0 kg
	92848.102	14 m - 8 x 12 mm (971.114)	G 3/8" (m)	G 1/4" (m)	9,3 kg
	92848.105	8+1 m - 10 x 14,5 mm (972.109)	G 3/8" (m)	G 3/8" (m)	9,4 kg

WITH SWIVELLING WALL MOUNTED BRACKET WITH BAYONET HOOKING					
---	--	--	--	--	--

s. 280	92818.101	10 m - 8 x 12 mm (971.110)	G 3/8" (m)	G 1/4" (m)	8,8 kg
	92818.102	14 m - 8 x 12 mm (971.114)	G 3/8" (m)	G 1/4" (m)	9,1 kg
	92818.105	8+1 m - 10 x 14,5 mm (972.109)	G 3/8" (m)	G 3/8" (m)	9,2 kg

WITH SWIVELLING WALL MOUNTED BRACKET WITH BAYONET AND SPEED CONTROL					
---	--	--	--	--	--

s. 280	92858.101	10 m - 8 x 12 mm (971.110)	G 3/8" (m)	G 1/4" (m)	9,6 kg
	92858.102	14 m - 8 x 12 mm (971.114)	G 3/8" (m)	G 1/4" (m)	9,9 kg
	92858.105	8+1 m - 10 x 14,5 mm (972.109)	G 3/8" (m)	G 3/8" (m)	10,0 kg





ADVANCED FLUID
MANAGEMENT SOLUTIONS

SPRING OPERATED HOSE REELS IN STEEL WITH POLYURETHANE HOSE



STRENGTH POINTS

- Comes standard with polyurethane hose that can be used with aqueous or detergent solutions at up to 70 °C.
- In the versions with stainless steel cover, the hose fittings, spiral protections and swivel joint are supplied as standard in AISI 304 stainless steel.
- All models comply with the ATEX directive for use in environments with potentially explosive atmospheres.
- Hose guide with rollers, horizontal and vertical, on 4 sides, designed to extend average hose life, as standard on all models.
- The hose reel comes with a 1,5 m section of hose for connection to the fixed system.
- The standard swivelling bracket, with slotted fixing holes, has special seals that act as a clutch. The bracket can also be locked in the upright position or rotated 90°.

TECHNICAL CHARACTERISTICS

Visit our
website



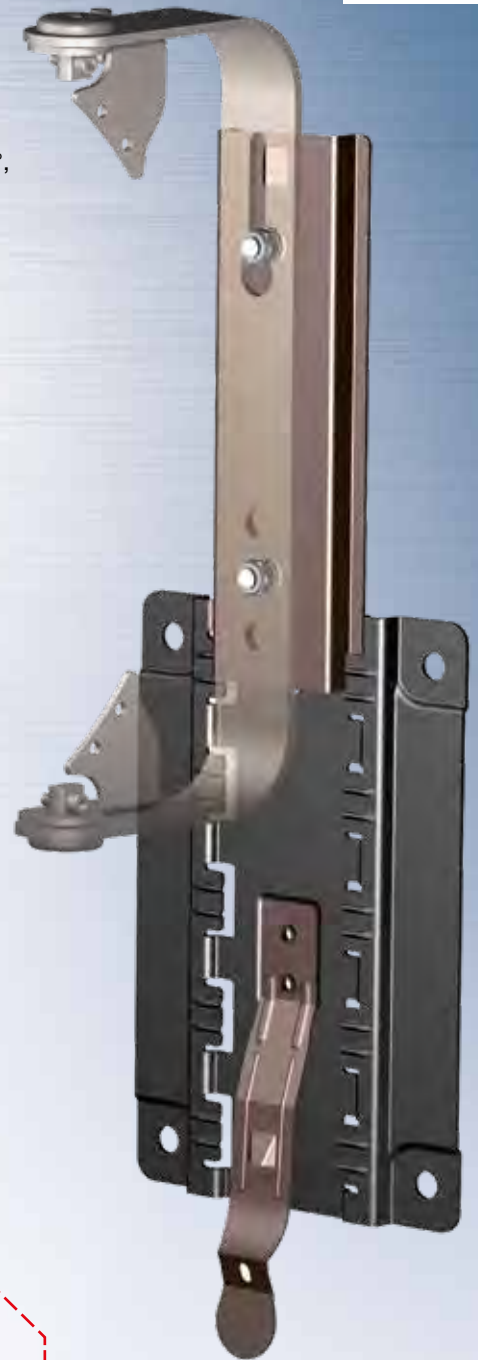
SPRING

Tested to withstand over 20000 work cycles.

PAWL

ENTRY SWIVEL JOINT

Can be oriented in 8 different positions, evenly spaced by 45°, to facilitate connection to the fixed system.



BAYONET BRACKET

Lets you quickly move the hose reel around the various workstations.

HOSE GUIDE

HOSE

Fit with hose stop and metal spiral tips to reinforce the hose structure.

CENTRAL PIN

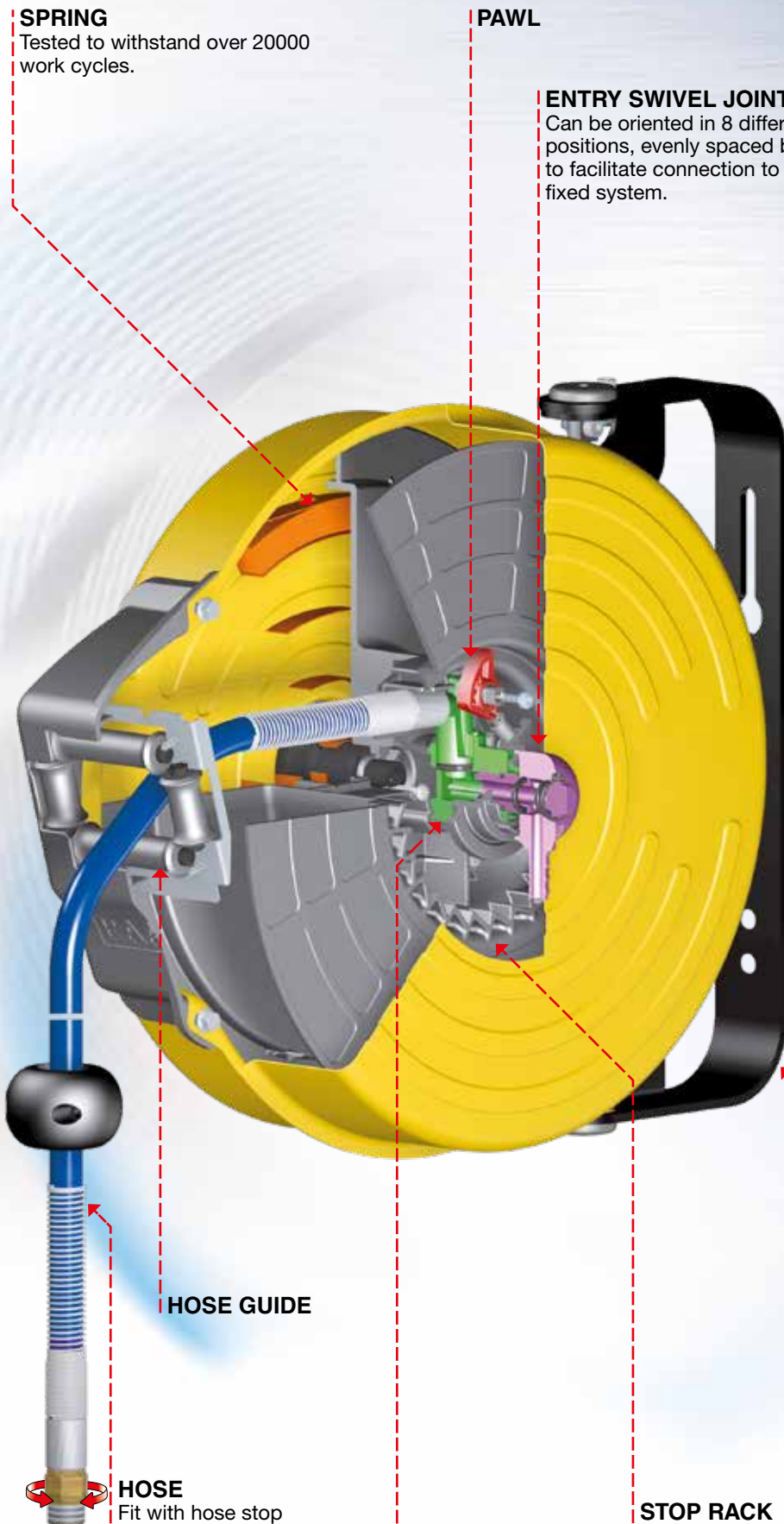
Designed to minimise load losses.

STOP RACK

Makes it possible to lock the hose around every 0,5 m.

FIXING BRACKET

Can be rotated up to 90° per side and has 2 slotted holes for safe, easy installation.



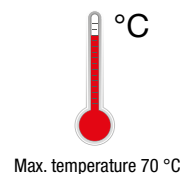


Type of fluid
AIR-WATER

Pressure
20 bar

Material
- PAINTED STEEL
- AISI 304 S. STEEL

WITH SPRING



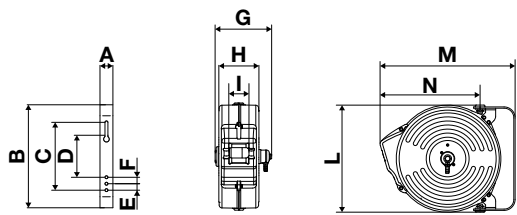
In accordance with directive



COVER COLOURS

Painted

	Hoses	Connections	Seals	Swivel joint	Central pin
Painted steel	Atoxic polyurethane	brass	Viton®	Delrin® - brass	Delrin®
AISI 304 stainless steel	Atoxic polyurethane	AISI 304 stainless steel	Viton®	Delrin® - AISI 304 stainless steel	Delrin®
					

Overall dimensions (mm)		Series	A	B	C	D	E	F	G	H	I	L	M	N	Packaging (mm) W x D x H
		250	40	319	210	130	20	20	173	124	62	281	338	230	 370 x 200 x 370
		300	40	319	210	130	20	20	173	124	62	333	416	308	 385 x 200 x 415

(W: width - D: depth - H: height)



P/N	Hose supplied	Connection		Weight
		inlet	outlet	

PAINTED STEEL

s. 250	92608.101	12 m - 8 x 12 mm (971.112)	G 3/8" (m)	G 1/4" (m)	7,0 kg
	92608.102	10 m - 10 x 14,5 mm (972.110)	G 3/8" (m)	G 3/8" (m)	7,3 kg

s. 300	93108.102	12 m - 8 x 12 mm (971.112)	G 3/8" (m)	G 1/4" (m)	8,6 kg
	93108.103	15 m - 8 x 12 mm (971.116)	G 3/8" (m)	G 1/4" (m)	8,8 kg
	93108.104	20 m - 8 x 12 mm (971.121)	G 3/8" (m)	G 1/4" (m)	9,0 kg
	93108.105	12 m - 10 x 14,5 mm (972.112)	G 3/8" (m)	G 3/8" (m)	8,9 kg
	93108.106	15 m - 10 x 14,5 mm (972.116)	G 3/8" (m)	G 3/8" (m)	9,3 kg

AISI 304 STAINLESS STEEL

s. 250	92708.101	12 m - 8 x 12 mm (981.112)	G 3/8" (m)	G 1/4" (m)	7,0 kg
	92708.102	10 m - 10 x 14,5 mm (982.110)	G 3/8" (m)	G 3/8" (m)	7,3 kg

s. 300	93208.102	12 m - 8 x 12 mm (981.112)	G 3/8" (m)	G 1/4" (m)	8,6 kg
	93208.103	15 m - 8 x 12 mm (981.116)	G 3/8" (m)	G 1/4" (m)	8,8 kg
	93208.104	20 m - 8 x 12 mm (981.121)	G 3/8" (m)	G 1/4" (m)	9,0 kg
	93208.105	12 m - 10 x 14,5 mm (982.112)	G 3/8" (m)	G 3/8" (m)	8,9 kg
	93208.106	15 m - 10 x 14,5 mm (982.116)	G 3/8" (m)	G 3/8" (m)	9,3 kg



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

Automatic rewinding





Discover the RAASM rewinding brake
for spring-loaded hose reels...
Contact our offices!



ACCESSORIES - AUTOMATIC HOSE GUIDE IN PAINTED STEEL

The new automatic hose guide guarantees correct arrangement of the hose on the drum, thus preventing haphazard rewinding.

✓ STRENGTH POINTS

- Designed to move independently while rewinding the hose.
- Equipped with rollers, horizontal and vertical, that can be adjusted to the hose being used.
- Easy to assemble on both new hose reels and on equipment already in use.



⚠ The hose reel equipped with automatic hose guide is not suitable for installation in potentially explosive atmosphere.

P/N 77/44312

Automatic hose guide in painted steel for hose reel s. 430, hoses up to 1/2".

P/N 77/45312

Automatic hose guide in painted steel for hose reel s. 530, hoses up to 1/2".

P/N 77/45401

Automatic hose guide in painted steel for hose reel s. 540, hoses from 3/4" to 1".

P/N 77/45412

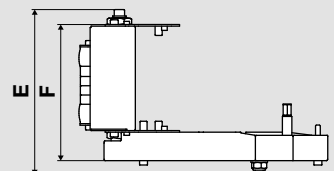
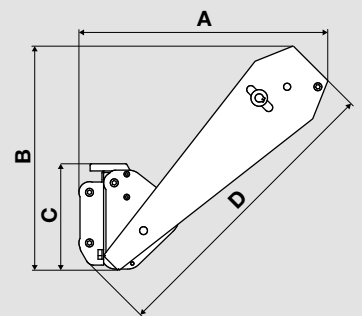
Automatic hose guide in painted steel for hose reel s. 540, hoses up to 1/2".

P/N 77/45601

Automatic hose guide in painted steel for hose reel s. 560, hoses from 3/4" to 1".

P/N 77/45612

Automatic hose guide in painted steel for hose reel s. 560, hoses up to 1/2".



Series	A	B	C	D	E	F
430	314	283	134	377	209	172
530	371	341	136	448	223	187
540	371	341	136	448	288	252
560	371	341	136	448	472	436



ACCESSORIES - AUTOMATIC HOSE GUIDE IN AISI 316 STAINLESS STEEL

The new automatic hose guide guarantees correct arrangement of the hose on the drum, thus preventing haphazard rewinding.

✓ STRENGTH POINTS

- Designed to move independently while rewinding the hose.
- Equipped with rollers, horizontal and vertical, that can be adjusted to the hose being used.
- Easy to assemble on both new hose reels and on equipment already in use.



⚠ The hose reel equipped with automatic hose guide is not suitable for installation in potentially explosive atmosphere.

P/N 79/44312

Automatic hose guide in AISI 316 stainless steel for hose reel s. 430, hoses up to 1/2".

P/N 79/45312

Automatic hose guide in AISI 316 stainless steel for hose reel s. 530, hoses up to 1/2".

P/N 79/45401

Automatic hose guide in AISI 316 stainless steel for hose reel s. 540, hoses from 3/4" to 1".

P/N 79/45412

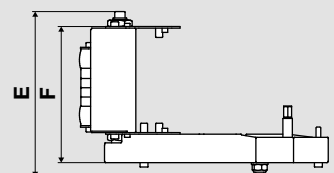
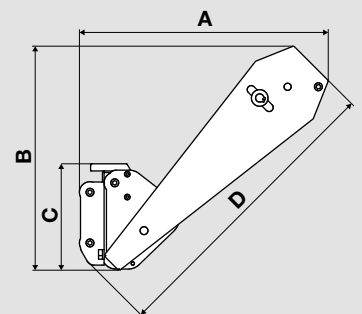
Automatic hose guide in AISI 316 stainless steel for hose reel s. 540, hoses up to 1/2".

P/N 79/45601

Automatic hose guide in AISI 316 stainless steel for hose reel s. 560, hoses from 3/4" to 1".

P/N 79/45612

Automatic hose guide in AISI 316 stainless steel for hose reel s. 560, hoses up to 1/2".

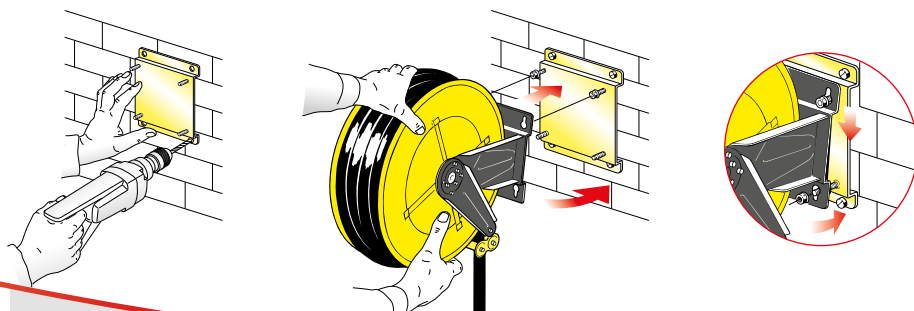


Series	A	B	C	D	E	F
430	314	283	134	377	209	172
530	371	341	136	448	223	187
540	371	341	136	448	288	252
560	371	341	136	448	472	436



ACCESSORIES FOR SPRING OPERATED HOSE REEL

A **quick coupling support**, which facilitates coupling of individual hose reels and optimises installation in series, i.e. several hose reels set side-by-side, is available upon request.



P/N 843001



P/N 843002

P/N 843001

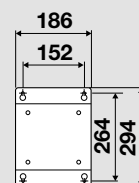
Fixed support in steel

for fixed painted steel hose reels
series 290 - 330 - 390 - 430.

P/N 843002

Fixed support in AISI 304 stainless steel

for fixed hose reels in AISI 304 stainless steel
series 290 - 330 - 390 - 430.

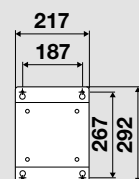


P/N 845001

P/N 845001

Fixed support in steel

for fixed enclosed painted steel hose reels
series 450.



P/N 853001



P/N 853002

P/N 853001

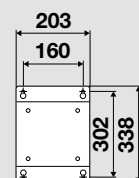
Fixed support in steel

for fixed painted steel hose reels
series 530.

P/N 853002

Fixed support in AISI 304 stainless steel

for fixed hose reels in AISI 304 stainless steel
series 530.



P/N 854001



P/N 854002

P/N 854001

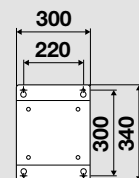
Fixed support in steel

for fixed painted steel hose reels
series 540.

P/N 854002

Fixed support in AISI 304 stainless steel

for fixed hose reels in AISI 304 stainless steel
series 540.



P/N 856001



P/N 856002

P/N 856001

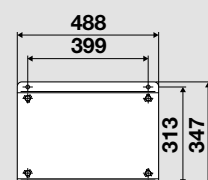
Fixed support in steel

for fixed painted steel hose reels
series 560.

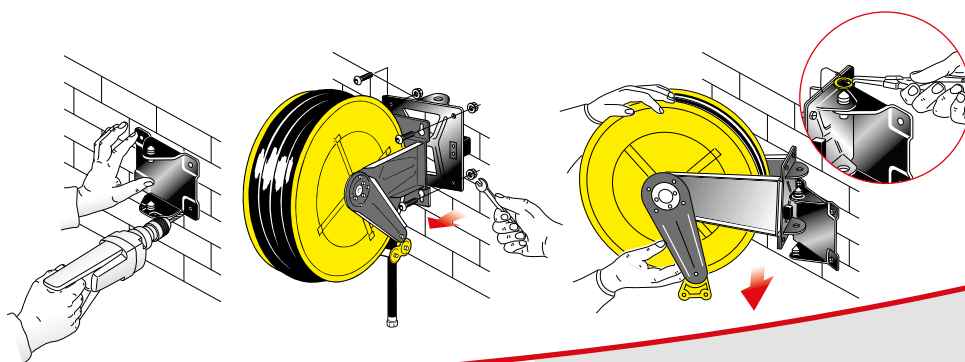
P/N 856002

Fixed support in AISI 304 stainless steel

for fixed hose reels in AISI 304 stainless steel
series 560.



A swivelling bracket with quick coupling is available upon request to facilitate hose reel installation in various positions - turned 40° to the right or left, or in the fixed 0° position - by locking it with two screws.



P/N 843005



P/N 843006
P/N 843007



P/N 845005



P/N 853005



P/N 853006
P/N 853007



P/N 854005
P/N 856005



P/N 854006
P/N 854007
P/N 856007

P/N 843005

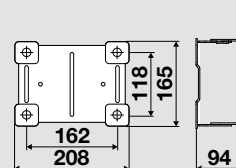
Swivelling bracket in steel
for fixed hose reels in painted steel
series 290 - 330 - 390 - 430.

P/N 843006

Swivelling bracket in AISI 304 stainless steel
for fixed hose reels in AISI 304 stainless steel
series 290 - 330 - 390 - 430.

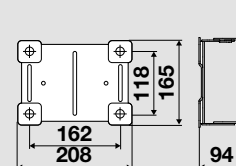
P/N 843007

Swivelling bracket in AISI 316 stainless steel
for fixed hose reels in AISI 316 stainless steel
series 290 - 330 - 390 - 430.



P/N 845005

Swivelling bracket in steel
for fixed enclosed painted steel hose reels,
series 450.



P/N 853005

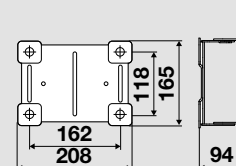
Swivelling bracket in steel
for fixed hose reels in painted steel series 530.

P/N 853006

Swivelling bracket in AISI 304 stainless steel
for fixed hose reels in AISI 304 stainless steel series 530.

P/N 853007

Swivelling bracket in AISI 316 stainless steel
for fixed hose reels in AISI 316 stainless steel series 530.



P/N 854005

Swivelling bracket in steel
for fixed hose reels in painted steel series 540.

P/N 856005

Swivelling bracket in steel
for fixed hose reels in painted steel series 560.

P/N 854006

Swivelling bracket in AISI 304 stainless steel
for fixed hose reels in stainless steel and
AISI 304 stainless steel series 540.

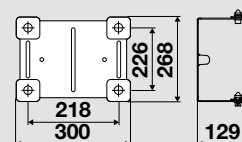
P/N 854007

Swivelling bracket in AISI 316 stainless steel
for fixed hose reels in AISI 316 stainless steel
series 540.

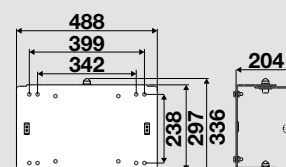
P/N 856007

Swivelling bracket in AISI 316 stainless steel
for fixed hose reels in AISI 316 stainless steel
series 560.

OVERALL DIMENSIONS for series 540



OVERALL DIMENSIONS for series 560

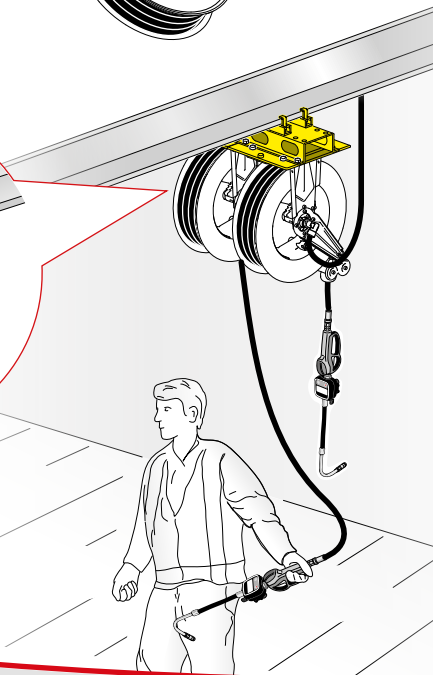
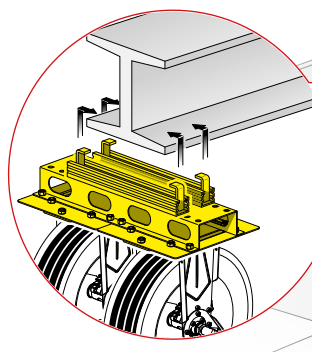
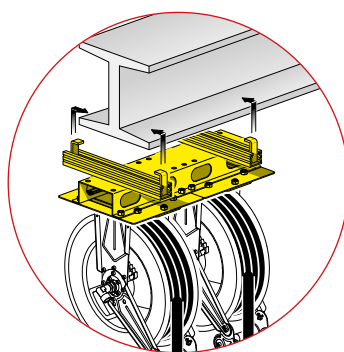
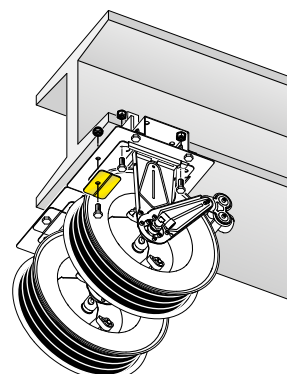
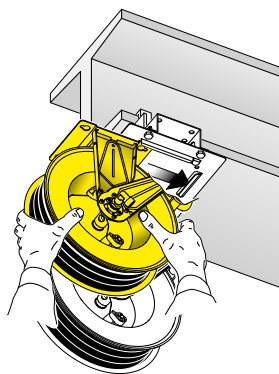
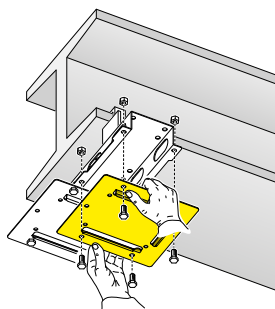




ACCESSORIES FOR FIXED ENCLOSED PAINTED STEEL HOSE REELS

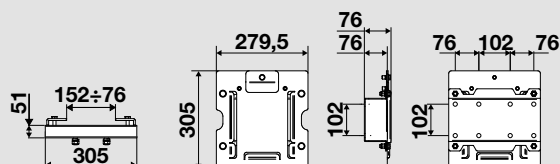
BRACKETS FOR BEAM MOUNTING

This special bracket is used to install 1, 2 or 3 hose reels (s. 390 and 430) on HEA ceiling beams. It can be installed and used in two different positions, turned 90° as shown in the figure to the side.



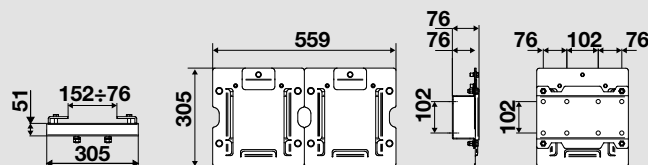
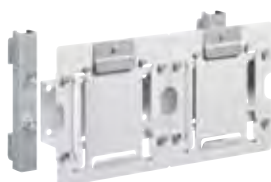
P/N 843011

Bracket for installing 1 hose reel
s. 390 or 430 on HEA beam.



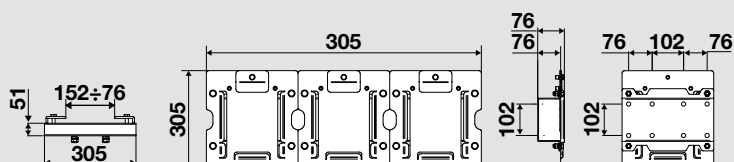
P/N 843012

Bracket for installing 2 hose reels
s. 390 or 430 on HEA beam.



P/N 843013

Bracket for installing 3 hose reels
s. 390 or 430 on HEA beam.

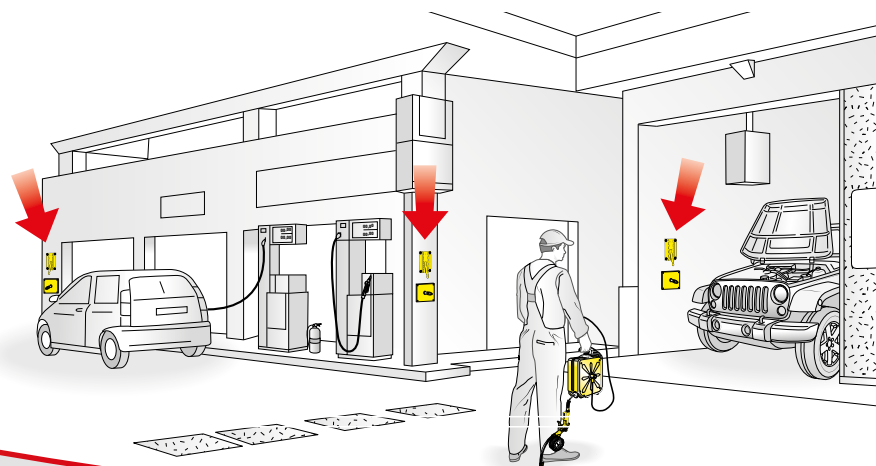


P/N 89003**Bayonet bracket - for enclosed hose reels s. 260 - 280:**

lets you easily move cable reel and hose reel around the various workstations.

P/N 89002**Wall support for bayonet hooking - for hose reels s. 250 - 300****P/N 89001****Wall support with bayonet hooking - for enclosed hose reels s. 260 - 280**

Installing several supports (see drawing) at the points of use lets you easily move the hose reel around the various workstations.

**P/N 89003****P/N 89002****P/N 89001****P/N 89005****Hose guide with 4 opposing rollers**

for application on service columns - for hose reels s. 250.

**P/N 88630**

Modular drip tray. Equipped with hook to secure the gun and removable drip tray. Applied under the hose reel, it is a practical housing for the dispensing gun. Essential for a clean, tidy workplace.

**P/N 88650**

Protective rack side cover in ABS - for hose reel s. 430.

P/N 88651

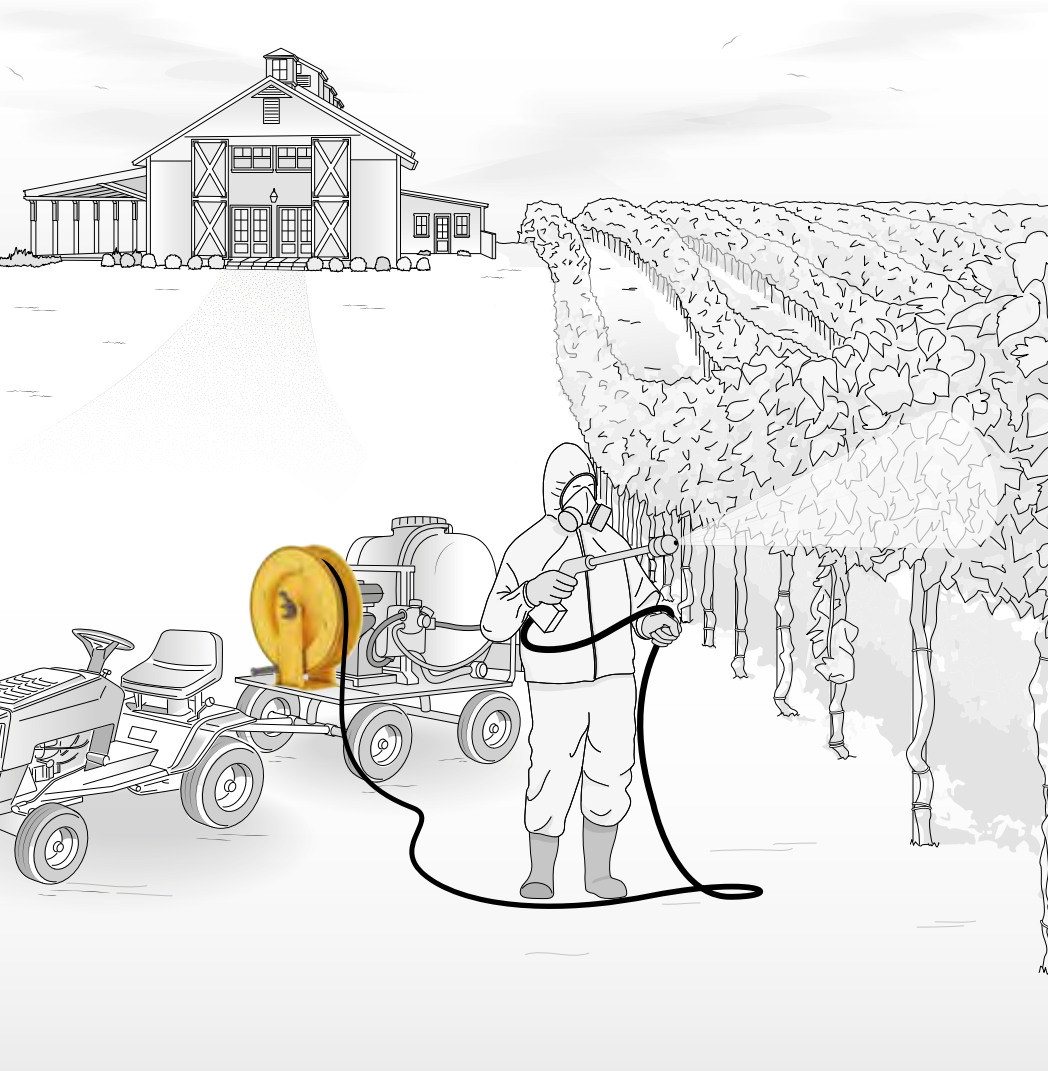
Protective rack side cover in ABS - for hose reel s. 530 - 540 - 560.



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

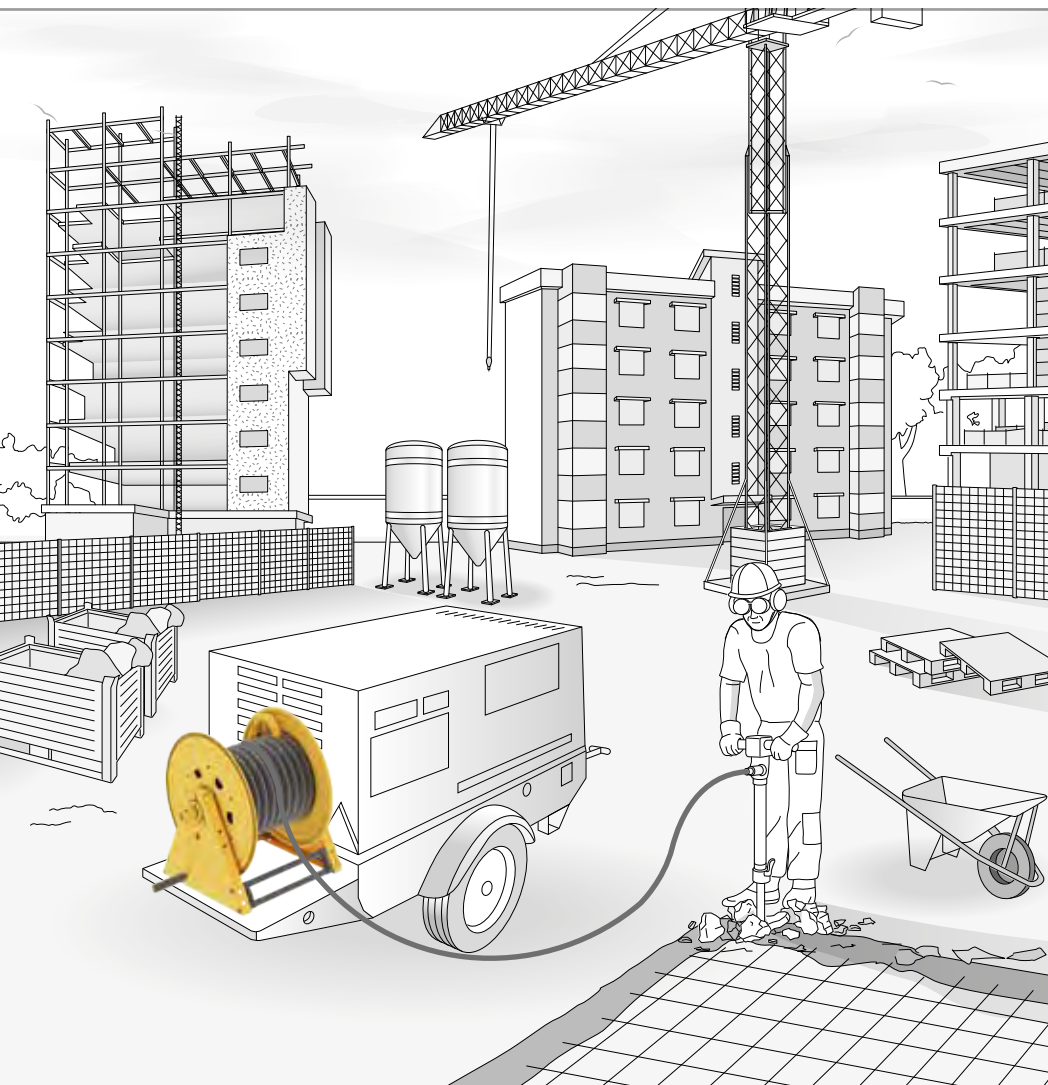
MANUAL HOSE REELS





PESTICIDE TREATMENTS IN AGRICULTURE

PNEUMATIC DEMOLITION IN BUILDING



EXAMPLES OF **USE**

CLEANING

AGRICULTURE

SHIPPING AND
OFFSHORE

AERONAUTICS

BUILDING
AND ROAD
CONSTRUCTION

...and much more



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MANUAL

HOSE REELS SERIES 430-530 540-560



STRENGTH POINTS

- Standard safety system which prevents the handle from being turned during unwinding, prevents accidental injury or property damage.
- Available in AISI 304 or AISI 316 stainless steel for particularly aggressive environments.
- Optimised winding capacity. The absence of springs maximises use of drum space.
- Available for standard models: adjustable clutch that lets you regulate the speed of drum rotation when unwinding the hose. If necessary, it also serves as brake.
- All models in this series comply with the ATEX directive for use in environments with potentially explosive atmospheres.
- The optional rotation lock is recommended for use in vibration-prone environments (trucks, industrial machines, etc.).

TECHNICAL CHARACTERISTICS

Visit our
website



DRUM SUPPORT BUSHING

Made of self-lubricating
technopolymer with excellent
wear and corrosion resistance.

ADJUSTABLE CLUTCH

SAFETY SYSTEM

CENTRAL PIN

Designed to minimise load losses.
Available in different materials
to ensure maximum chemical
compatibility with a wide
range of fluids.

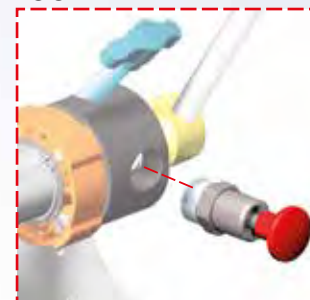
ROTATION LOCK

SWIVEL JOINT

Designed to minimise load
losses. Available in different
materials to ensure maximum
chemical compatibility with a
wide range of fluids.

FIXING BRACKET

Has 4 slotted holes for safe,
easy installation.





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MANUAL HOSE REELS SERIES 500



STRENGTH POINTS

- Standard safety system which prevents the handle from being turned during unwinding, prevents accidental injury or property damage.
- Optimised winding capacity. The absence of a spring and double 1/2" and 1" connections available in the catalogue maximises use of drum space.
- Available for standard models: rotation lock for use in vibration-prone environments (trucks, industrial machines, etc.).
- Available for standard models: adjustable clutch that lets you regulate the speed of drum rotation when unwinding the hose.
- Sturdy structure, epoxy powder-painted - minimum thickness: 80 µm.
- Hose guide with rollers, horizontal and vertical, on 4 sides, designed to extend average hose life, comes standard on all models.

TECHNICAL CHARACTERISTICS

Visit our
website



SWIVEL JOINT

Designed to minimise load losses. Available in different materials to ensure maximum chemical compatibility with a wide range of fluids.

BRAKE DISC

In stainless steel.

HOSE
GUIDE

ADJUSTABLE
CLUTCH

ROTATION
LOCK

SAFETY
SYSTEM



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MANUAL HOSE REELS SERIES 700



STRENGTH POINTS

- These hose reels are designed so that the rewind handle can be positioned on the opposite side, with the possibility to optimize the workplace.
- During unwinding, a convenient housing has been added where you can safely stow the handle.
- Available for standard models: rotation lock for use in vibration-prone environments (trucks, industrial machines, etc.).
- All moving parts are secured and protected against accidental access from the outside.
- These are the only manual hose reels able to rewind hoses of up to 2" in diameter.
- Hose guide with rollers, horizontal and vertical, on 4 sides, designed to extend average hose life, available on all models.

TECHNICAL CHARACTERISTICS

Visit our
website

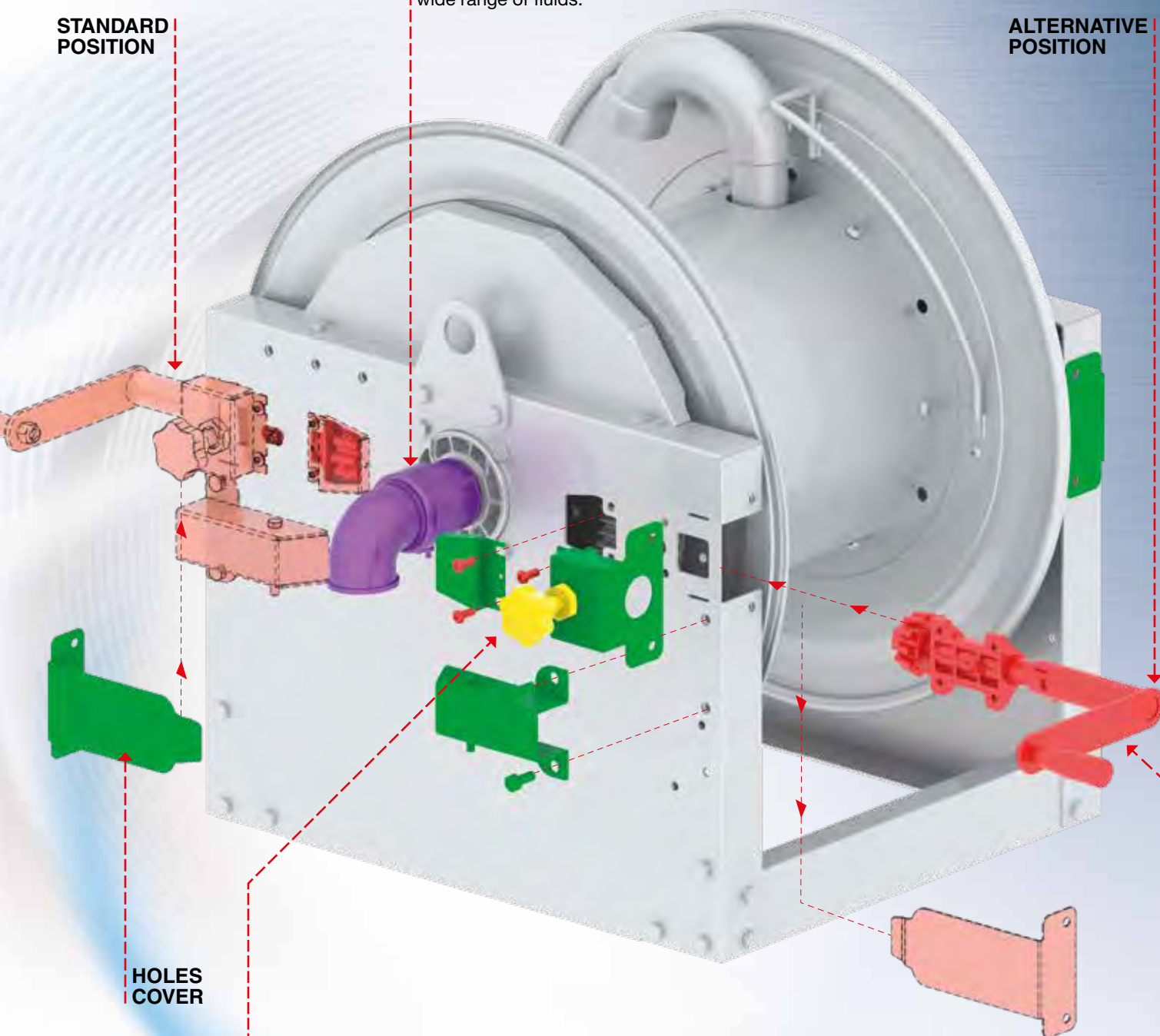


SWIVEL JOINT

Designed to minimise load losses.
Available in different materials to ensure
maximum chemical compatibility with a
wide range of fluids.

STANDARD POSITION

ALTERNATIVE POSITION



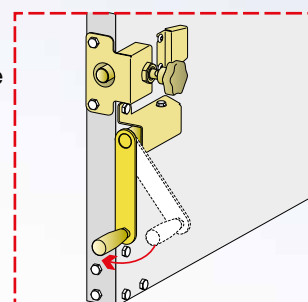
HOLES COVER

ADJUSTABLE CLUTCH

Made of POM, lets you regulate the speed
of drum rotation when unwinding the hose.

HANDLE

Lets you easily
wind up the hose
while controlling
its positioning
on the drum.



HANDLE MOVEMENT WITH CLUTCH

If required by use of the hose reel, the handle and clutch can be moved from
the **standard position** to an **alternative position** with a simple operation
indicated in the instruction manual.

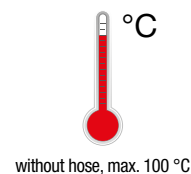


Type of fluid
AIR-WATER

Pressure
20 bar

Material
- PAINTED STEEL
- ABS

MANUAL



In accordance with directive

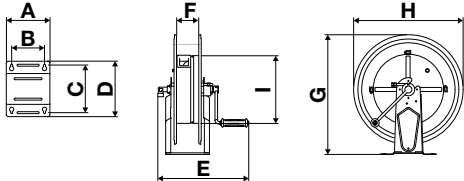


for ABS versions and S. 700

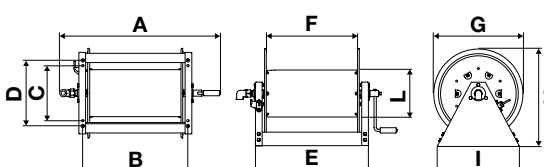
Seals	Swivel joint	Central pin
Viton®	brass aluminum (s. 700)	galvanized steel

DRUM COLOURS

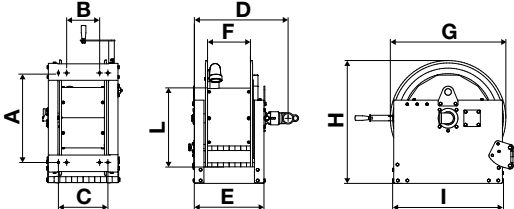
Painted					
ABS					

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H		
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580			
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580			
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690			
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695			
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760			
														(W: width - D: depth - H: height)	

(W: width - D: depth - H: height)

Overall dimensions s. 500 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
			240	655	297	313	373	342	220	510	555	468	267		580 x 280 x 590
			320	715	377	313	373	422	300	510	555	468	267		580 x 280 x 590
			460	855	517	313	373	562	440	510	555	468	267		650 x 290 x 700
			600	995	657	313	373	702	580	510	555	468	267		660 x 390 x 690
(W: width - D: depth - H: height)															

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H
	270	542	200	300	570	422	260	700	760	659	365		580 x 280 x 590	
	410	542	340	440	710	562	398	700	760	659	365		580 x 280 x 590	
	550	542	480	580	850	702	538	700	760	659	365		650 x 290 x 700	
	690	542	620	720	990	842	680	700	760	659	365		660 x 390 x 690	
(W: width - D: depth - H: height)														

(W: width - D: depth - H: height)



		P/N	Drum external width (mm)	Connection					Weight
				inlet			outlet		
s. 430	74300.100	115	G 1/2" (f)			G 1/2" (f)			14,5 kg
	74300.150	115	G 1" (f)			G 3/4" (f)			15,5 kg
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m	5/8" 15 m	3/4" 8 m	
s. 430 ABS	74305.100	120	G 1/2" (f)			G 1/2" (f)			12,0 kg
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m	5/8" 15 m		
s. 530	75300.100	125	G 1/2" (f)			G 1/2" (f)			16,0 kg
	75300.150	125	G 1" (f)			G 1" (f)			17,0 kg
Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 38 m	1/2" 25 m	5/8" 20 m	3/4" 15 m	1" 7 m
s. 540	75400.100	190	G 1" (f)			G 1" (f)			18,3 kg
	75400.105	190	G 1/2" (f)			G 1/2" (f)			17,3 kg
Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 48 m	5/8" 35 m	3/4" 25 m	1" 15 m
s. 560	75600.100	368	G 1" (f)			G 1" (f)			36,0 kg
	75600.106	368	G 1/2" (f)			G 1/2" (f)			35,0 kg
Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m	1/2" 100 m	5/8" 90 m	3/4" 60 m	1" 30 m
s. 500	7522001.100	240	G 1" (f)			G 1" (f)			30,0 kg
	7522001.150	240	G 1/2" (f)			G 1/2" (f)			29,0 kg
	7532001.100	320	G 1" (f)			G 1" (f)			32,5 kg
	7532001.150	320	G 1/2" (f)			G 1/2" (f)			31,5 kg
	7552001.100	460	G 1" (f)			G 1" (f)			36,5 kg
	7552001.150	460	G 1/2" (f)			G 1/2" (f)			35,5 kg
	7562001.100	600	G 1" (f)			G 1" (f)			40,0 kg
	7562001.150	600	G 1/2" (f)			G 1/2" (f)			39,0 kg
Hose reel capacity		inner hose ø drum width 240 drum width 320 drum width 460 drum width 600	1/4" 130 m 200 m 300 m 400 m	3/8" 85 m 130 m 200 m 280 m	1/2" 65 m 100 m 150 m 220 m	3/4" 30 m 50 m 80 m 110 m	1" 20 m 30 m 50 m 70 m		
s. 700 *	7721001.100	270	G 2" (f)			G 2" (f)			88,1 kg
	7741001.100	410	G 2" (f)			G 2" (f)			94,6 kg
	7751001.100	550	G 2" (f)			G 2" (f)			103,0 kg
	7771001.100	690	G 2" (f)			G 2" (f)			119,0 kg
Hose reel capacity		inner hose ø drum width 270 drum width 410 drum width 550 drum width 690	3/8" 160 m 290 m 420 m 550 m	1/2" 110 m 180 m 280 m 350 m	3/4" 65 m 120 m 180 m 244 m	1" 30 m 60 m 100 m 134 m	1.1/4" 20 m 35 m 60 m 84 m	1.1/2" 15 m 30 m 50 m 75 m	2" 10 m 20 m 30 m 43 m

* Versions also available with passages and swivel joints in AISI 304-316 stainless steel

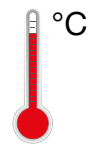


Type of fluid
AIR-WATER

Pressure
20 bar

Material
- AISI 304 S. STEEL
- ABS

MANUAL



without hose, max. 100 °C



In accordance with directive

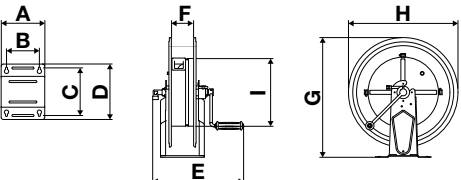


for ABS versions

Seals	Swivel joint	Central pin
Viton®	brass	AISI 304 s. steel
		

DRUM COLOURS

ABS     

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
			430	186	140	197	226	410	97	456	415	264		540 x 390 x 580
			430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580
			530	203	153	222	258	425	104	558	510	315		660 x 390 x 690
			540	300	218	228	268	532	165	572	510	315		640 x 470 x 695
			560	488	399	238	272	712	348	578	510	315		670 x 610 x 760

(W: width - D: depth - H: height)



P/N	Drum external width (mm)	Connection		Weight
		inlet	outlet	

s. 430	74320.100	115	G 1/2" (f)	G 1/2" (f)	14,5 kg
	74320.150	115	G 1" (f)	G 3/4" (f)	15,5 kg

Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
	max. length	52 m	35 m	25 m	17 m	15 m	8 m

s. 430 ABS	74325.100	120	G 1/2" (f)	G 1/2" (f)	12,0 kg
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Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"
	max. length	52 m	35 m	25 m	17 m	15 m

s. 530	75320.100	125	G 1/2" (f)	G 1/2" (f)	16,0 kg
	75320.150	125	G 1" (f)	G 1" (f)	17,0 kg

Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
	max. length	92 m	65 m	35 m	25 m	20 m	15 m	7 m

s. 540	75420.100	190	G 1" (f)	G 1" (f)	18,5 kg
	75420.105	190	G 1/2" (f)	G 1/2" (f)	17,3 kg

Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
	max. length	150 m	110 m	65 m	45 m	35 m	25 m	15 m

s. 560	75620.100	368	G 1" (f)	G 1" (f)	36,0 kg
	75620.106	368	G 1/2" (f)	G 1/2" (f)	35,0 kg

Hose reel capacity	inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
	max. length	320 m	200 m	140 m	100 m	90 m	60 m	30 m

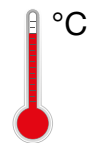


Type of fluid
HOT WATER

Pressure
**100-200
400 bar**

Material
**- PAINTED STEEL
- ABS**

MANUAL



without hose, max. 130 °C



In accordance with directive

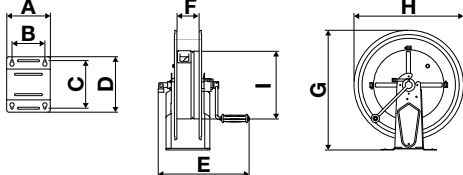


for ABS versions

DRUM COLOURS

Painted				
ABS				
S. 500				

Seals	Swivel joint	Central pin
Viton®	AISI 304 s. steel	galvanized steel

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580	
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580	
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690	
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695	
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760	
(W: width - D: depth - H: height)													

(W: width - D: depth - H: height)

Overall dimensions s. 500 (mm)											Drum W		Packaging (mm) W x D x H									
										240	655	297	313	373	342	220	510	555	468	267		580 x 280 x 590
											320	715	377	313	373	422	300	510	555	468	267	580 x 280 x 590
											460	855	517	313	373	562	440	510	555	468	267	650 x 290 x 700
											600	995	657	313	373	702	580	510	555	468	267	660 x 390 x 690

(W: width - D: depth - H: height)



		P/N	Drum external width (mm)	Connection				Weight
				inlet		outlet		
s. 430 100 bar	74300.200	115	G 1/2" (f)		G 1/2" (f)		14,5 kg	
	74300.250	115	G 1" (f)		G 3/4" (f)		15,5 kg	
s. 430 200 bar	74300.300	115	G 3/8" (f)		G 1/2" (f)		14,5 kg	
s. 430 400 bar	74300.350	115	G 3/8" (f)		G 1/2" (f)		14,5 kg	
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m	5/8" 15 m	3/4" 8 m
s. 430 ABS 100 bar	74305.200	120	G 1/2" (f)		G 1/2" (f)		12,0 kg	
s. 430 ABS 200 bar	74305.300	120	G 3/8" (f)		G 1/2" (f)		12,0 kg	
s. 430 ABS 400 bar	74305.350	120	G 3/8" (f)		G 1/2" (f)		12,0 kg	
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m		
s. 530 100 bar	75300.200	125	G 1/2" (f)		G 1/2" (f)		16,0 kg	
s. 530 200 bar	75300.300	125	G 3/8" (f)		G 1/2" (f)		16,0 kg	
s. 530 400 bar	75300.350	125	G 3/8" (f)		G 1/2" (f)		16,0 kg	
Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m	1/2" 25 m	5/8" 20 m	
s. 540 100 bar	75400.200	190	G 1" (f)		G 1" (f)		18,3 kg	
	75400.205	190	G 1/2" (f)		G 1/2" (f)		17,3 kg	
s. 540 200 bar	75400.300	190	G 3/8" (f)		G 1/2" (f)		17,3 kg	
s. 540 400 bar	75400.350	190	G 3/8" (f)		G 1/2" (f)		17,3 kg	
Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 48 m	5/8" 35 m	3/4" 25 m
s. 560 100 bar	75600.200	368	G 1" (f)		G 1" (f)		36,0 kg	
	75600.206	368	G 1/2" (f)		G 1/2" (f)		35,0 kg	
s. 560 200 bar	75600.300	368	G 3/8" (f)		G 1/2" (f)		35,0 kg	
s. 560 400 bar	75600.350	368	G 3/8" (f)		G 1/2" (f)		35,0 kg	
Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m	1/2" 100 m	5/8" 90 m	3/4" 60 m
s. 500 100 bar	7522001.200	240	G 1" (f)		G 1" (f)		30,0 kg	
	7522001.250	240	G 1/2" (f)		G 1/2" (f)		29,0 kg	
	7532001.200	320	G 1" (f)		G 1" (f)		32,5 kg	
	7532001.250	320	G 1/2" (f)		G 1/2" (f)		31,5 kg	
	7552001.200	460	G 1" (f)		G 1" (f)		36,5 kg	
	7552001.250	460	G 1/2" (f)		G 1/2" (f)		35,5 kg	
	7562001.200	600	G 1" (f)		G 1" (f)		40,0 kg	
	7562001.250	600	G 1/2" (f)		G 1/2" (f)		39,0 kg	
s. 500 200 bar	7522001.300	240	G 3/8" (f)		G 1/2" (f)		29,0 kg	
	7532001.300	320	G 3/8" (f)		G 1/2" (f)		31,5 kg	
	7552001.300	460	G 3/8" (f)		G 1/2" (f)		35,5 kg	
	7562001.300	600	G 3/8" (f)		G 1/2" (f)		39,0 kg	
Hose reel capacity		inner hose ø drum width 240	1/4" 130 m	3/8" 85 m	1/2" 65 m	3/4" 30 m	1" 20 m	
		drum width 320	200 m	130 m	100 m	50 m	30 m	
		drum width 460	300 m	200 m	150 m	80 m	50 m	
		drum width 600	400 m	280 m	220 m	110 m	70 m	

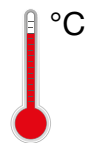


Type of fluid
HOT WATER

Pressure
**70-100
200-400 bar**

Material
**- AISI 304 S. STEEL
- AISI 316 S. STEEL
- ABS**

MANUAL



without hose, max. 130 °C



In accordance with directive

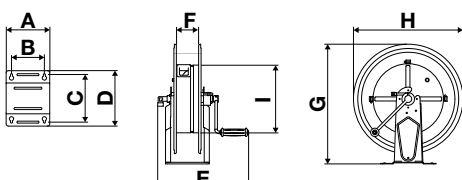


for ABS versions and S. 700

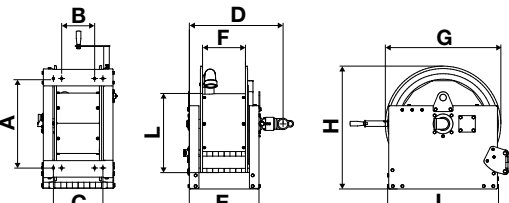
Seals	Swivel joint	Central pin
Viton®	AISI 304-316 s. steel	AISI 304-316 s. steel
		

DRUM COLOURS

ABS     

Overall dimensions (mm)											Series	
											430	186 140 197 226 410 97 456 415 264
											430 ABS	186 140 197 226 405 110 461 425 259
											530	203 153 220 258 425 104 558 510 315
											540	300 218 228 268 532 165 572 510 315
											560	488 399 238 272 712 348 578 510 315
											Packaging (mm) W x D x H	
											540 x 390 x 580	
											540 x 390 x 580	
											660 x 390 x 690	
											640 x 470 x 695	
											670 x 610 x 760	

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)											Drum W	
											270	542 200 300 570 422 260 700 760 659 365
											410	542 340 440 710 562 398 700 760 659 365
											550	542 480 580 850 702 538 700 760 659 365
											690	542 620 720 990 842 680 700 760 659 365
											Packaging (mm) W x D x H	
											580 x 280 x 590	
											580 x 280 x 590	
											650 x 290 x 700	
											660 x 390 x 690	

(W: width - D: depth - H: height)



P/N AISI 304 stainless steel	P/N AISI 316 stainless steel	Drum width (mm)	Connection		Weight
			inlet	outlet	

s. 430 100 bar	74340.200	74350.200	115	G 1/2" (f)	G 1/2" (f)	14,5 kg
	74340.250	-	115	G 1" (f)	G 3/4" (f)	15,5 kg
s. 430 200 bar	74340.300	74350.300	115	G 3/8" (f)	G 1/2" (f)	14,5 kg
s. 430 400 bar	74340.350	74350.350	115	G 3/8" (f)	G 1/2" (f)	14,5 kg

Hose reel capacity	inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"
	max. length	52 m	35 m	25 m	17 m	15 m	8 m

s. 430 ABS 100 bar	74345.200	-	120	G 1/2" (f)	G 1/2" (f)	12,0 kg
s. 430 ABS 200 bar	74345.300	-	120	G 3/8" (f)	G 1/2" (f)	12,0 kg
s. 430 ABS 400 bar	74345.350	-	120	G 3/8" (f)	G 1/2" (f)	12,0 kg

Hose reel capacity	inner hose ø	1/4"	5/16"	3/8"	1/2"
	max. length	52 m	35 m	25 m	17 m

s. 530 100 bar	75340.200	75350.200	115	G 1/2" (f)	G 1/2" (f)	16,0 kg
s. 530 200 bar	75340.300	75350.300	115	G 3/8" (f)	G 1/2" (f)	16,0 kg
s. 530 400 bar	75340.350	75350.350	115	G 3/8" (f)	G 1/2" (f)	16,0 kg

Hose reel capacity	inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"
	max. length	92 m	65 m	35 m	25 m	20 m

s. 540 100 bar	75440.200	75450.200	190	G 1" (f)	G 1" (f)	18,3 kg
	75440.205	75450.205	190	G 1/2" (f)	G 1/2" (f)	17,3 kg
s. 540 200 bar	75440.300	-	190	G 3/8" (f)	G 1/2" (f)	17,3 kg
s. 540 400 bar	75440.350	-	190	G 3/8" (f)	G 1/2" (f)	17,3 kg

Hose reel capacity	inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
	max. length	150 m	110 m	65 m	48 m	35 m	25 m	15 m

s. 560 100 bar	75640.200	75650.200	368	G 1" (f)	G 1" (f)	35,0 kg
	75640.206	75650.206	368	G 1/2" (f)	G 1/2" (f)	35,0 kg
s. 560 200 bar	75640.300	-	368	G 3/8" (f)	G 1/2" (f)	35,0 kg
s. 560 400 bar	75640.350	-	368	G 3/8" (f)	G 1/2" (f)	35,0 kg

Hose reel capacity	inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
	max. length	320 m	200 m	140 m	100 m	90 m	60 m	30 m

s. 700 70 bar	7724001.200	7725001.200	270	G 2" (f)	G 2" (f)	88,1 kg
	7744001.200	7745001.200	410	G 2" (f)	G 2" (f)	94,6 kg
	7754001.200	7755001.200	550	G 2" (f)	G 2" (f)	103,0 kg
	7774001.200	7775001.200	690	G 2" (f)	G 2" (f)	119,0 kg

Hose reel capacity	inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
	drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
	drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
	drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
	drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m

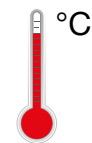


Type of fluid
**OIL AND
SIMILAR**

Pressure
70-150 bar

Material
**- PAINTED STEEL
- ABS**

MANUAL



without hose, max. 80 °C

In accordance with directive

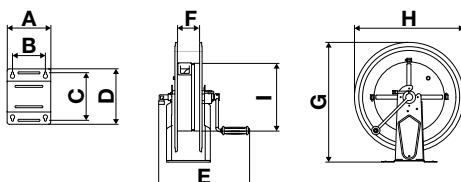


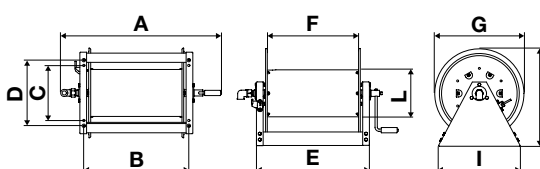
for ABS versions and S. 700

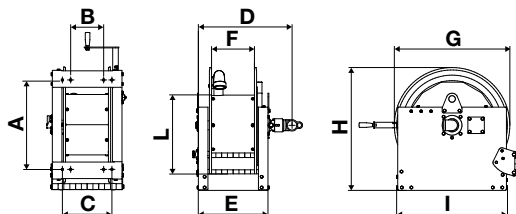
DRUM COLOURS

Painted     S. 500 - 700 
ABS     

Seals	Swivel joint	Central pin
polyurethane Viton® (s. 700)	galvanized steel	galvanized steel
		

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580	
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580	
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690	
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695	
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760	
	(W: width - D: depth - H: height)												

Overall dimensions s. 500 (mm)			Drum W											Packaging (mm) W x D x H	
			240	655	297	313	373	342	220	510	555	468	267		580 x 280 x 590
			320	715	377	313	373	422	300	510	555	468	267		580 x 280 x 590
			460	855	517	313	373	562	440	510	555	468	267		650 x 290 x 700
			600	995	657	313	373	702	580	510	555	468	267		660 x 390 x 690
			(W: width - D: depth - H: height)												

Overall dimensions s. 700 (mm)			Drum W										Packaging (mm) W x D x H	
	270	542	200	300	570	422	260	700	760	659	365		580 x 280 x 590	
	410	542	340	440	710	562	398	700	760	659	365		580 x 280 x 590	
	550	542	480	580	850	702	538	700	760	659	365		650 x 290 x 700	
	690	542	620	720	990	842	680	700	760	659	365		660 x 390 x 690	
(W: width - D: depth - H: height)														



		P/N	Drum external width (mm)	Connection				Weight	
				inlet		outlet			
s. 430 150 bar	74300.400	115	G 1/2" (f)			G 1/2" (f)		14,5 kg	
	74300.450	115	G 1" (f)			G 3/4" (f)		14,5 kg	
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m	5/8" 15 m	3/4" 8 m	
s. 430 ABS 150 bar	74305.400	120	G 1/2" (f)			G 1/2" (f)		12,0 kg	
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m			
s. 530 150 bar	75300.400	125	G 1/2" (f)			G 1/2" (f)		16,0 kg	
Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m	1/2" 25 m	5/8" 20 m		
s. 540 150 bar	75400.400	190	G 1" (f)			G 1" (f)		18,3 kg	
	75400.405	190	G 1/2" (f)			G 1/2" (f)		17,3 kg	
Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 45 m	5/8" 35 m	3/4" 25 m	1" 15 m
s. 560 150 bar	75600.400	368	G 1" (f)			G 1" (f)		36,0 kg	
	75600.406	368	G 1/2" (f)			G 1/2" (f)		35,0 kg	
Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m	1/2" 85 m	5/8" 90 m	3/4" 60 m	1" 30 m
s. 500 150 bar	7522001.400	240	G 1" (f)			G 1" (f)		30,0 kg	
	7522001.450	240	G 1/2" (f)			G 1/2" (f)		29,0 kg	
	7532001.400	320	G 1" (f)			G 1" (f)		32,5 kg	
	7532001.450	320	G 1/2" (f)			G 1/2" (f)		31,5 kg	
	7552001.400	460	G 1" (f)			G 1" (f)		36,5 kg	
	7552001.450	460	G 1/2" (f)			G 1/2" (f)		35,5 kg	
	7562001.400	600	G 1" (f)			G 1" (f)		40,0 kg	
	7562001.450	600	G 1/2" (f)			G 1/2" (f)		39,0 kg	
Hose reel capacity		inner hose ø	1/4"	3/8"	1/2"	3/4"	1"		
		drum width 240	130 m	85 m	65 m	30 m	20 m		
		drum width 320	200 m	130 m	100 m	50 m	30 m		
		drum width 460	300 m	200 m	150 m	80 m	50 m		
		drum width 600	400 m	280 m	220 m	110 m	70 m		
s. 700 70 bar	7721001.400	270	G 2" (f)			G 2" (f)		88,1 kg	
	7741001.400	410	G 2" (f)			G 2" (f)		94,6 kg	
	7751001.400	550	G 2" (f)			G 2" (f)		103,0 kg	
	7771001.400	690	G 2" (f)			G 2" (f)		119,0 kg	
Hose reel capacity		inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
		drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
		drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
		drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
		drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m

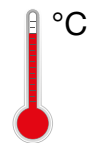


Type of fluid
**OIL AND
SIMILAR**

Pressure
150 bar

Material
**- AISI 304 S. STEEL
- ABS**

MANUAL



without hose, max. 130 °C



In accordance with directive

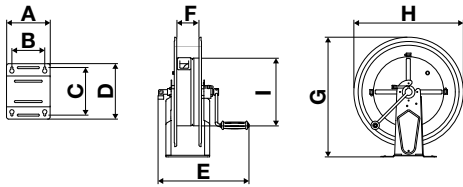


for ABS versions

DRUM COLOURS

ABS     

Seals	Swivel joint	Central pin
Viton®	AISI 304 s. steel	AISI 304 s. steel
		

Overall dimensions (mm)				Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580		
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580		
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690		
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695		
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760		
(W: width - D: depth - H: height)														

(W: width - D: depth - H: height)



P/N		Drum external width (mm)	Connection				Weight		
			inlet		outlet				
s. 430	74340.200	115	G 1/2" (f)		G 1/2" (f)		14,5 kg		
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m			
s. 430 ABS	74345.200	120	G 1/2" (f)		G 1/2" (f)		12,0 kg		
Hose reel capacity		inner hose ø max. length	1/4" 52 m	5/16" 35 m	3/8" 25 m	1/2" 17 m			
s. 530	75340.200	125	G 1/2" (f)		G 1/2" (f)		16,0 kg		
Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m	1/2" 25 m	5/8" 20 m		
s. 540	75440.200	190	G 1" (f)		G 1" (f)		18,3 kg		
	75440.205	190	G 1/2" (f)		G 1/2" (f)		17,3 kg		
Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 45 m	5/8" 35 m	3/4" 25 m	1" 15 m
s. 560	75640.200	368	G 1" (f)		G 1" (f)		36,0 kg		
	75640.206	368	G 1/2" (f)		G 1/2" (f)		35,0 kg		
Hose reel capacity		inner hose ø max. length	1/4" 324 m	5/16" 200 m	3/8" 140 m	1/2" 85 m	5/8" 90 m	3/4" 60 m	1" 30 m

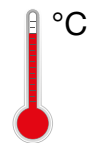


Type of fluid
GREASE

Pressure
600 bar

Material
- PAINTED STEEL
- ABS

MANUAL



without hose, max. 80 °C



In accordance with directive

CE  II 2 GD

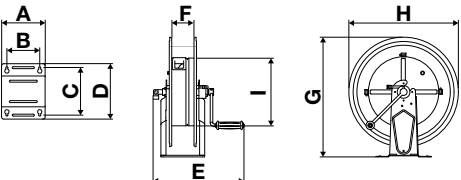
CE  II 3 GD

for ABS versions

Seals	Swivel joint	Central pin
polyurethane	galvanized steel	galvanized steel
		

DRUM COLOURS

Painted    
ABS     

Overall dimensions (mm)											Packaging (mm) W x D x H	
	Series	A	B	C	D	E	F	G	H	I		540 x 390 x 580
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760

(W: width - D: depth - H: height)



	P/N	Drum external width (mm)	Connection				Weight
			inlet		outlet		
s. 430	74300.500	115	G 3/8" (f)		G 1/2" (f)		14,5 kg
Hose reel capacity		inner hose ø1/4"max. length52 m	5/16"35 m	3/8"25 m	1/2"17 m	5/8"15 m	
s. 430 ABS	74305.500	120	G 3/8" (f)		G 1/2" (f)		12,0 kg
Hose reel capacity		inner hose ø1/4"max. length52 m	5/16"35 m	3/8"25 m	1/2"17 m	5/8"15 m	
s. 530	75300.500	125	G 3/8" (f)		G 1/2" (f)		16,0 kg
Hose reel capacity		inner hose ø1/4"max. length92 m	5/16"65 m	3/8"35 m	1/2"25 m	5/8"20 m	
s. 540	75400.500	190	G 3/8" (f)		G 1/2" (f)		17,3 kg
Hose reel capacity		inner hose ø1/4"max. length150 m	5/16"110 m	3/8"65 m	1/2"45 m	5/8"35 m	
s. 560	75600.500	368	G 3/8" (f)		G 1/2" (f)		35,0 kg
Hose reel capacity		inner hose ø1/4"max. length320 m	5/16"200 m	3/8"140 m	1/2"100 m	5/8"90 m	

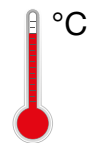


Type of fluid
GREASE

Pressure
600 bar

Material
- AISI 304 S. STEEL
- ABS

MANUAL



without hose, max. 80 °C



In accordance with directive



for ABS versions

Seals	Swivel joint	Central pin
polyurethane	galvanized steel	AISI 304 s. steel

DRUM COLOURS

ABS

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
			430	186	140	197	226	410	97	456	415	264		540 x 390 x 580
			430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580
			530	203	153	220	258	425	104	558	510	315		660 x 390 x 690
			540	300	218	228	268	532	165	572	510	315		640 x 470 x 695
			560	488	399	238	272	712	348	578	510	315		670 x 610 x 760

(W: width - D: depth - H: height)



	P/N	Drum external width (mm)	Connection				Weight
			inlet		outlet		
s. 430	74320.500	115	G 3/8" (f)		G 1/2" (f)		14,5 kg
Hose reel capacity		inner hose ø1/4"52 m max. length	5/16"35 m	3/8"25 m	1/2"17 m	5/8"15 m	
s. 430 ABS	74325.500	120	G 3/8" (f)		G 1/2" (f)		12,0 kg
Hose reel capacity		inner hose ø1/4"52 m max. length	5/16"35 m	3/8"25 m	1/2"17 m	5/8"15 m	
s. 530	75320.500	125	G 3/8" (f)		G 1/2" (f)		16,0 kg
Hose reel capacity		inner hose ø1/4"92 m max. length	5/16"65 m	3/8"35 m	1/2"25 m	5/8"20 m	
s. 540	75420.500	190	G 3/8" (f)		G 1/2" (f)		17,3 kg
Hose reel capacity		inner hose ø1/4"150 m max. length	5/16"110 m	3/8"65 m	1/2"45 m	5/8"35 m	
s. 560	75620.500	368	G 3/8" (f)		G 1/2" (f)		35,0 kg
Hose reel capacity		inner hose ø1/4"320 m max. length	5/16"200 m	3/8"140 m	1/2"100 m	5/8"90 m	

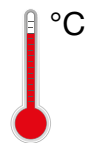


Type of fluid
DIESEL

Pressure
20 bar

Material
- PAINTED STEEL
- ABS

MANUAL



without hose, max. 100 °C

In accordance with directive

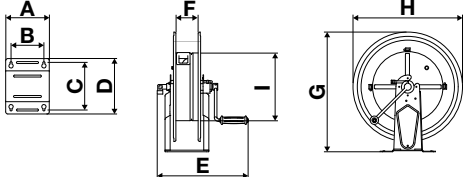


for ABS versions and S. 700

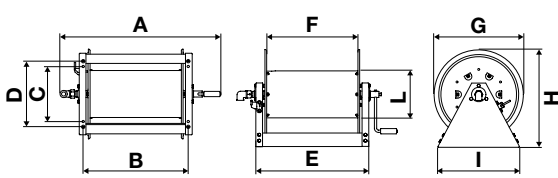
Seals	Swivel joint	Central pin
Viton®	brass	galvanized steel
	aluminum (s. 700)	

DRUM COLOURS

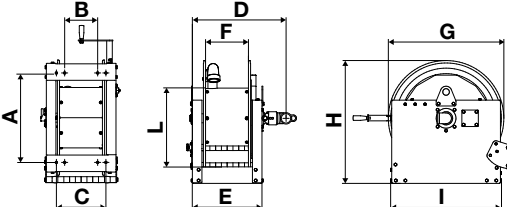
Painted S. 500 - 700
ABS

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580		
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580		
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690		
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695		
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760		
	(W: width - D: depth - H: height)													

(W: width - D: depth - H: height)

Overall dimensions s. 500 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
	240	655	297	313	373	342	220	510	510	555	468	267		580 x 280 x 590	
	320	715	377	313	373	422	300	510	510	555	468	267		580 x 280 x 590	
	460	855	517	313	373	562	440	510	510	555	468	267		650 x 290 x 700	
	600	995	657	313	373	702	580	510	510	555	468	267		660 x 390 x 690	
(W: width - D: depth - H: height)															

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H		
	270	542	200	300	570	422	260	700	760	659	365		580 x 280 x 590			
	410	542	340	440	710	562	398	700	760	659	365		580 x 280 x 590			
	550	542	480	580	850	702	538	700	760	659	365		650 x 290 x 700			
	690	542	620	720	990	842	680	700	760	659	365		660 x 390 x 690			
															(W: width - D: depth - H: height)	

(W: width - D: depth - H: height)



		P/N	Drum external width (mm)	Connection					Weight
				inlet			outlet		
s. 430	74300.600	115	G 1/2" (f)			G 1/2" (m)			14,5 kg
Hose reel capacity		inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	
		max. length	52 m	35 m	25 m	17 m	15 m	8 m	
s. 430 ABS	74305.600	120	G 1/2" (f)			G 1/2" (m)			12,0 kg
Hose reel capacity		inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	
		max. length	52 m	35 m	25 m	17 m	15 m	8 m	
s. 530	75300.150	125	G 1" (f)			G 1" (f)			16,0 kg
Hose reel capacity		inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	92 m	65 m	35 m	25 m	20 m	15 m	7 m
s. 540	75400.100	190	G 1" (f)			G 1" (f)			18,3 kg
Hose reel capacity		inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	150 m	110 m	65 m	45 m	35 m	25 m	15 m
s. 560	75600.100	368	G 1" (f)			G 1" (f)			36,0 kg
Hose reel capacity		inner hose ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	324 m	200 m	140 m	100 m	90 m	60 m	30 m
s. 500	7522001.100	240	G 1" (f)			G 1" (f)			30,0 kg
	7532001.100	320	G 1" (f)			G 1" (f)			32,5 kg
	7552001.100	460	G 1" (f)			G 1" (f)			36,5 kg
	7562001.100	600	G 1" (f)			G 1" (f)			40,0 kg
Hose reel capacity		inner hose ø	1/4"	3/8"	1/2"	3/4"	1"		
		drum width 240	130 m	85 m	65 m	30 m	20 m		
		drum width 320	200 m	130 m	100 m	50 m	30 m		
		drum width 460	300 m	200 m	150 m	80 m	50 m		
		drum width 600	400 m	280 m	220 m	110 m	70 m		
s. 700	7721001.100	270	G 2" (f)			G 2" (f)			88,1 kg
	7741001.100	410	G 2" (f)			G 2" (f)			94,6 kg
	7751001.100	550	G 2" (f)			G 2" (f)			103,2 kg
	7771001.100	690	G 2" (f)			G 2" (f)			119,0 kg
Hose reel capacity		inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
		drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
		drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
		drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
		drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m



Prepared with outlet connection for ø 3/4" hoses

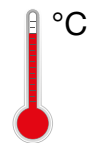


Type of fluid
DIESEL

Pressure
20 bar

Material
- AISI 304 S. STEEL
- ABS

MANUAL



without hose, max. 100 °C



In accordance with directive

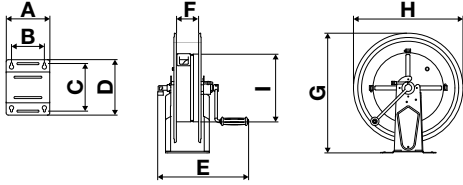


for ABS versions

DRUM COLOURS

ABS     

Seals	Swivel joint	Central pin
Viton®	brass	AISI 304 s. steel
		

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H
	430	186	140	197	226	410	97	456	415	264		540 x 390 x 580	
	430 ABS	186	140	197	226	405	110	461	425	259		540 x 390 x 580	
	530	203	153	220	258	425	104	558	510	315		660 x 390 x 690	
	540	300	218	228	268	532	165	572	510	315		640 x 470 x 695	
	560	488	399	238	272	712	348	578	510	315		670 x 610 x 760	
(W: width - D: depth - H: height)													

(W: width - D: depth - H: height)



	P/N	Drum external width (mm)	Connection						Weight
			inlet			outlet			
s. 430	74320.600	115	G 1/2" (f)			G 1/2" (m)			14,5 kg
Hose reel capacity		inner hose ø1/4"max. length52 m	5/16"35 m	3/8"25 m	1/2"17 m	5/8"15 m	3/4"8 m		
s. 430 ABS	74325.600	120	G 1/2" (f)			G 1/2" (m)			12,0 kg
Hose reel capacity		inner hose ø1/4"max. length52 m	5/16"35 m	3/8"25 m	1/2"17 m	5/8"15 m	3/4"8 m		
s. 530	75320.150	125	G 1" (f)			G 1" (f)			16,0 kg
Hose reel capacity		inner hose ø1/4"max. length92 m	5/16"65 m	3/8"35 m	1/2"25 m	5/8"20 m	3/4"15 m	1"7 m	
s. 540	75420.100	190	G 1" (f)			G 1" (f)			18,3 kg
Hose reel capacity		inner hose ø1/4"max. length150 m	5/16"110 m	3/8"65 m	1/2"45 m	5/8"35 m	3/4"25 m	1"15 m	
s. 560	75620.100	368	G 1" (f)			G 1" (f)			36,0 kg
Hose reel capacity		inner hose ø1/4"max. length320 m	5/16"200 m	3/8"140 m	1/2"100 m	5/8"90 m	3/4"60 m	1"30 m	



Prepared with outlet connection for ø 3/4" hoses

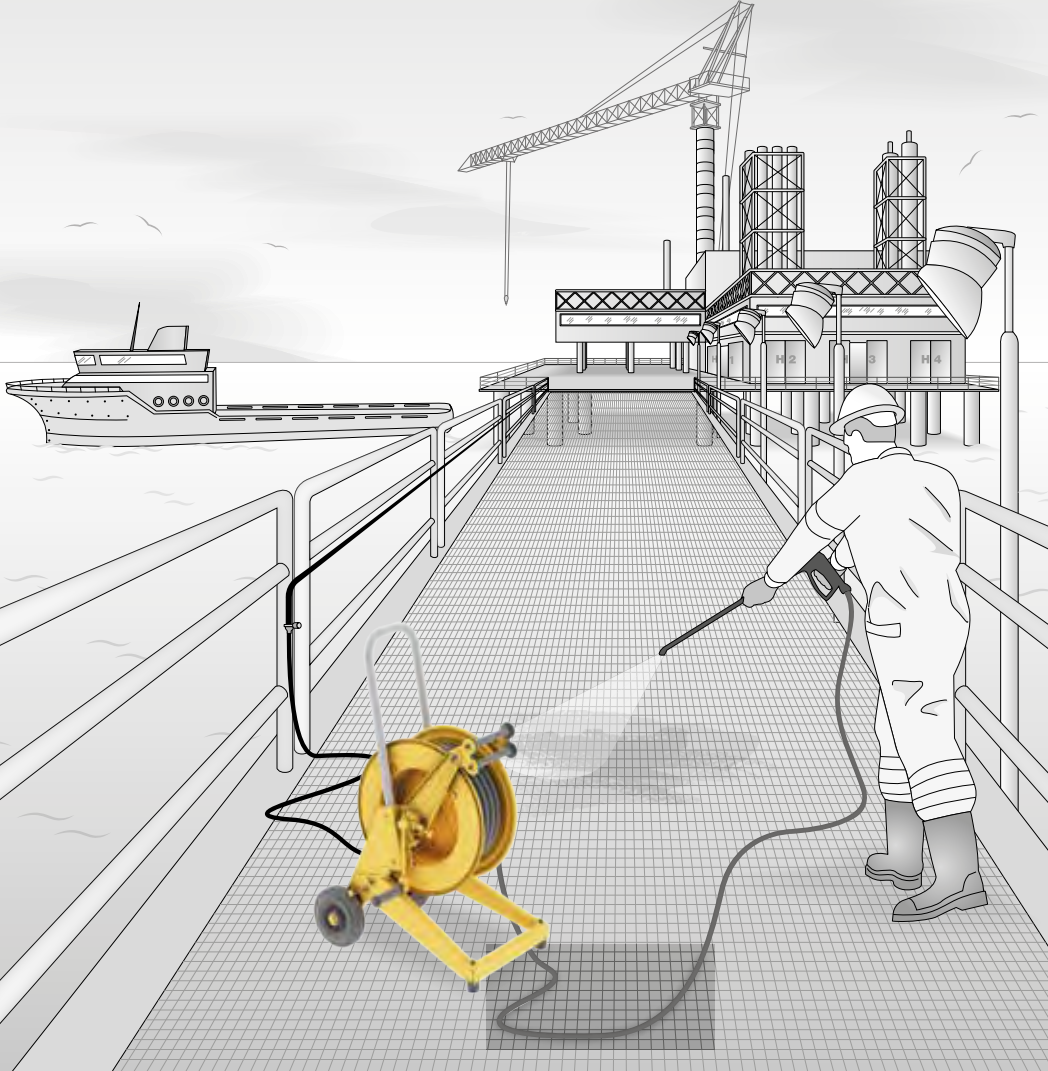


**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MANUAL TROLLEY-MOUNTED HOSE REELS

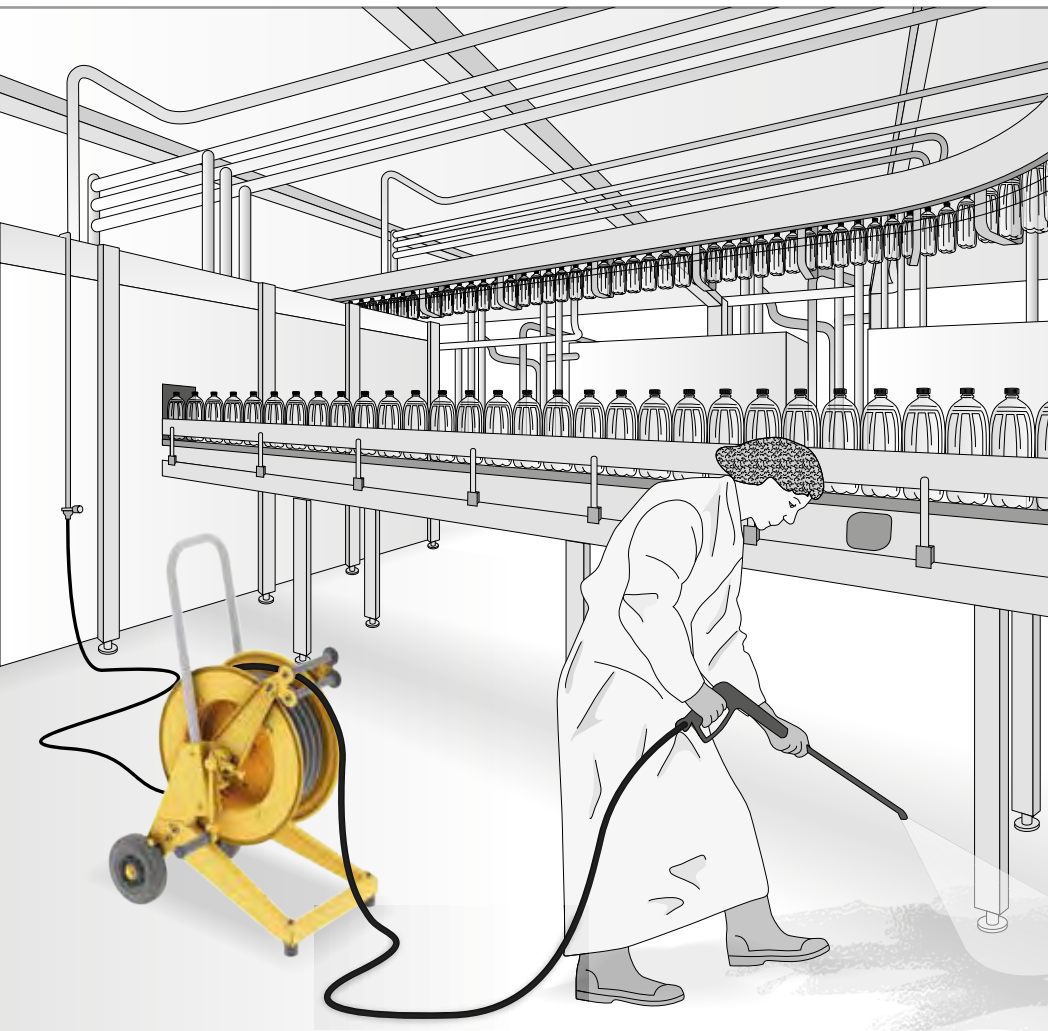


EXAMPLES OF **USE**



OFFSHORE FACILITIES CLEANING

HEALTHY AND FOOD ENVIRONMENTS WASHING OPERATIONS



MINING
INDUSTRY

AGRICULTURE

SHIPPING AND
OFFSHORE

MANUFACTUR-
ING INDUSTRY

AERONAUTICS

...and much more



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MANUAL

TROLLEY-MOUNTED HOSE REELS

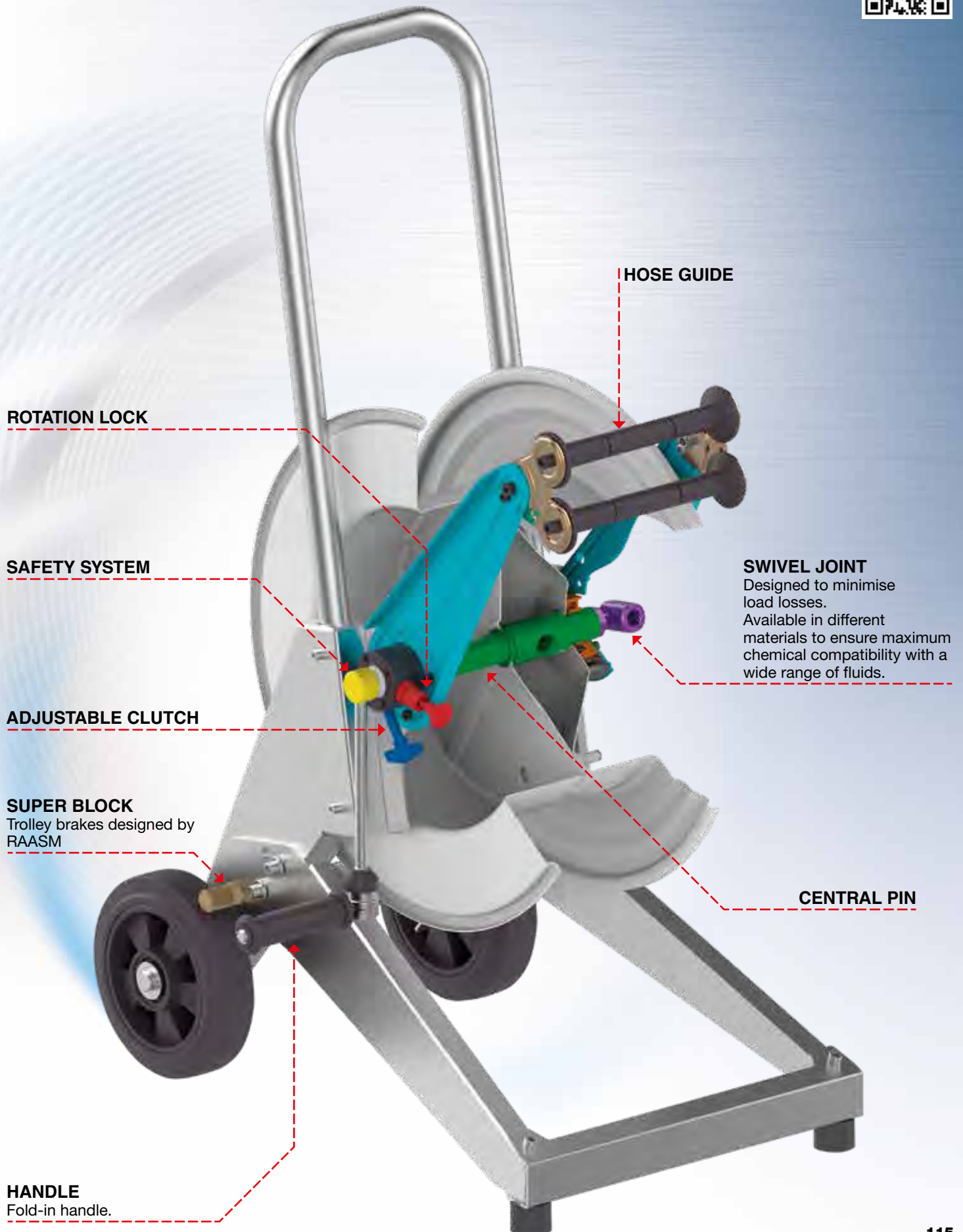


STRENGTH POINTS

- The trolley has been designed to meet specific parameters and prevent rollover during hose unwinding, achieved with the special brake and geometry of the floor stands.
- Super block trolley brake comes standard on all models, automatically locks the trolley only when stationary.
- Standard safety system which prevents the handle from being turned during unwinding, prevents accidental injury or property damage.
- Fold-in handle as standard reduces the overall dimensions of the hose reel and simultaneously increases safety.
- Standard hose guide to extend average hose life and facilitate unwinding.
- Adjustable clutch and rotation lock are standard, let you modulate rotation speed or completely lock the drum.

TECHNICAL CHARACTERISTICS

Visit our
website



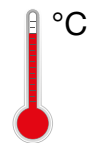


Hose reel
**TROLLEY-
MOUNTED**

Pressure
**20-100
200-400 bar**

Material
PAINTED STEEL

MANUAL



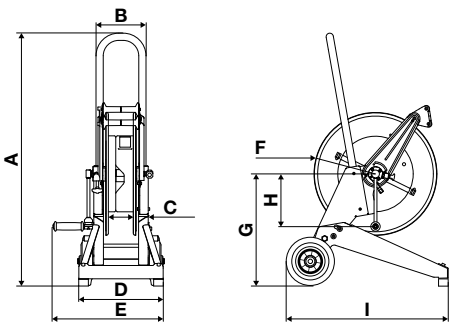
- without hose:
with brass swivel joint
max. 100 °C
with steel swivel joint
max. 130 °C



	Trolley	Drum	Seals	Swivel joint	Central pin
AIR-WATER	galvanized steel	painted steel	Viton®	brass	galvanized steel
HOT WATER	galvanized steel	painted steel	Viton® - Teflon®	AISI 304 s. steel	galvanized steel
					

DRUM COLOURS

Painted

Overall dimensions (mm)		Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
		530	1050	210	104	350	464	510	463	205	675		650 x 290 x 700
		540	1050	270	165	413	530	510	463	205	675		660 x 390 x 690
		560	1050	450	348	595	705	510	463	205	675		670 x 610 x 760

(W: width - D: depth - H: height)



s. 530



s. 540



s. 560

P/N		Hose supplied		Connection					Weight
				inlet		outlet			
AIR-WATER 20 bar									
s. 530	236530.100	without hose *		G 1/2" (f)		G 1/2" (f)		29,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	92 m	65 m	35 m	25 m	20 m	15 m	7 m
s. 540	236540.100	without hose *		G 1" (f)		G 1" (f)		34,0 kg	
	236540.105	without hose *		G 1/2" (f)		G 1/2" (f)		33,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	150 m	110 m	65 m	45 m	35 m	25 m	15 m
s. 560	236560.100	without hose *		G 1" (f)		G 1" (f)		40,0 kg	
	236560.105	without hose *		G 1/2" (f)		G 1/2" (f)		39,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	320 m	200 m	140 m	85 m	90 m	60 m	30 m
HOT WATER 100 bar									
s. 530	236530.200	without hose *		G 1/2" (f)		G 1/2" (f)		29,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	92 m	65 m	35 m	25 m	20 m	15 m	7 m
s. 540	236540.200	without hose *		G 1" (f)		G 1" (f)		34,0 kg	
	236540.205	without hose *		G 1/2" (f)		G 1/2" (f)		33,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	150 m	110 m	65 m	45 m	35 m	25 m	15 m
s. 560	236560.200	without hose *		G 1" (f)		G 1" (f)		35,0 kg	
	236560.205	without hose *		G 1/2" (f)		G 1/2" (f)		35,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	1"
		max. length	320 m	200 m	140 m	85 m	90 m	60 m	30 m
HOT WATER 200 bar									
s. 530	236530.300	without hose *		G 3/8" (f)		G 1/2" (f)		29,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"			
		max. length	92 m	65 m	35 m	25 m			
s. 540	236540.300	without hose *		G 3/8" (f)		G 1/2" (f)		33,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"			
		max. length	150 m	110 m	65 m	45 m			
s. 560	236560.300	without hose *		G 3/8" (f)		G 1/2" (f)		40,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"	1/2"			
		max. length	320 m	200 m	140 m	85 m			
HOT WATER 400 bar									
s. 530	236530.350	without hose *		G 3/8" (f)		G 1/2" (f)		29,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"				
		max. length	92 m	65 m	35 m				
s. 540	236540.350	without hose *		G 3/8" (f)		G 1/2" (f)		33,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"				
		max. length	150 m	110 m	65 m				
s. 560	236560.350	without hose *		G 3/8" (f)		G 1/2" (f)		40,0 kg	
* Hose reel capacity		inner hose Ø	1/4"	5/16"	3/8"				
		max. length	320 m	200 m	140 m				

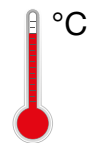


Hose reel
**TROLLEY-
MOUNTED**

Pressure
**20-100
200-400 bar**

Material
**- AISI 304 S. STEEL
- AISI 316 S. STEEL**

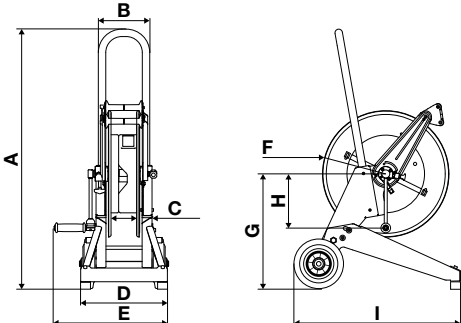
MANUAL



- without hose:
with brass swivel joint
max. 100 °C
with steel swivel joint
max. 130 °C



	Trolley	Drum	Seals	Swivel joint	Central pin
AIR-WATER	AISI 304-316 stainless steel	AISI 304-316 stainless steel	Viton®	brass	AISI 304-316 stainless steel
HOT WATER			Viton® - Teflon®	AISI 304-316 s. steel	
					

Overall dimensions (mm)		Series	A	B	C	D	E	F	G	H	I	Packaging (mm) W x D x H	
		530	1050	210	104	350	464	510	463	205	675		650 x 290 x 700
		540	1050	270	165	413	530	510	463	205	675		660 x 390 x 690
		560	1050	450	348	595	705	510	463	205	675		670 x 610 x 760

(W: width - D: depth - H: height)



s. 530



s. 540



s. 560

P/N AISI 304 stainless steel		P/N AISI 316 stainless steel	Hose supplied	Connection		Weight			
				inlet	outlet				
AIR-WATER 20 bar									
s. 530	246532.100	-	without hose *	G 1/2" (f)	G 1/2" (f)	29,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m	1/2" 25 m	5/8" 20 m	3/4" 15 m	1" 7 m
s. 540	246542.100	-	without hose *	G 1" (f)	G 1" (f)	34,0 kg			
	246542.105	-	without hose *	G 1/2" (f)	G 1/2" (f)	33,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 45 m	5/8" 35 m	3/4" 25 m	1" 15 m
s. 560	246562.100	-	without hose *	G 1" (f)	G 1" (f)	40,0 kg			
	246562.105	-	without hose *	G 1/2" (f)	G 1/2" (f)	39,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m	1/2" 85 m	5/8" 90 m	3/4" 60 m	1" 30 m
HOT WATER 100 bar									
s. 530	246534.200	256535.200	without hose *	G 1/2" (f)	G 1/2" (f)	29,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m	1/2" 25 m	5/8" 20 m	3/4" 15 m	1" 7 m
s. 540	246544.200	256545.200	without hose *	G 1" (f)	G 1" (f)	34,0 kg			
	246544.205	256545.205	without hose *	G 1/2" (f)	G 1/2" (f)	33,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 45 m	5/8" 35 m	3/4" 25 m	1" 15 m
s. 560	246564.200	256565.200	without hose *	G 1" (f)	G 1" (f)	40,0 kg			
	246564.205	256565.205	without hose *	G 1/2" (f)	G 1/2" (f)	35,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m	1/2" 85 m	5/8" 90 m	3/4" 60 m	1" 30 m
HOT WATER 200 bar									
s. 530	246534.300	256535.300	without hose *	G 3/8" (f)	G 1/2" (f)	29,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m	1/2" 25 m			
s. 540	246544.300	256545.300	without hose *	G 3/8" (f)	G 1/2" (f)	33,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m	1/2" 45 m			
s. 560	246564.300	256565.300	without hose *	G 3/8" (f)	G 1/2" (f)	40,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m	1/2" 85 m			
HOT WATER 400 bar									
s. 530	246534.350	256535.350	without hose *	G 3/8" (f)	G 1/2" (f)	29,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 92 m	5/16" 65 m	3/8" 35 m				
s. 540	246544.350	256545.350	without hose *	G 3/8" (f)	G 1/2" (f)	33,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 150 m	5/16" 110 m	3/8" 65 m				
s. 560	246564.350	256565.350	without hose *	G 3/8" (f)	G 1/2" (f)	40,0 kg			
* Hose reel capacity		inner hose ø max. length	1/4" 320 m	5/16" 200 m	3/8" 140 m				



ACCESSORIES FOR MANUAL HOSE REELS



P/N 843001
P/N 853001



P/N 843002
P/N 853002



P/N 854001
P/N 856001



P/N 854002
P/N 856002

P/N 843001

Fixed support in steel for fixed painted steel hose reels s. 430.

P/N 843002

Fixed support in AISI 304 stainless steel - for fixed hose reels in AISI 304 stainless steel s. 430.

P/N 853001

Fixed support in steel - for fixed painted steel hose reels s. 530.

P/N 853002

Fixed support in AISI 304 stainless steel - for fixed hose reels in AISI 304 stainless steel s. 530.

P/N 854001

Fixed support in steel - for fixed painted steel hose reels s. 540.

P/N 854002

Fixed support in AISI 304 stainless steel - for fixed hose reels in AISI 304 stainless steel s. 540.

P/N 856001

Fixed support in steel - for fixed painted steel hose reels s. 560.

P/N 856002

Fixed support in AISI 304 stainless steel - for fixed hose reels in AISI 304 stainless steel s. 560.

For more information on the supports, see page 80.



**PAINTED
STEEL**



**STAINLESS
STEEL**

ARMS AND HOSE GUIDE FOR MANUAL HOSE REEL

	painting steel	AISI 304 stainless steel	AISI 316 stainless steel
s. 430	P/N 743001	P/N 743401	P/N 743501
s. 530	P/N 753001	P/N 753401	P/N 753501
s. 540	P/N 754001	P/N 754401	P/N 754501
s. 560	P/N 756001	P/N 756401	P/N 756501

FOLD-IN HANDLE FOR MANUAL HOSE REEL

	galvanized steel	AISI 304 stainless steel	AISI 316 stainless steel
s. 430	P/N 743004	P/N 743404	P/N 743504
s. 530 s. 540 s. 560	P/N 753004	P/N 753404	P/N 753504



**GALVANIZED
STEEL**



**STAINLESS
STEEL**



P/N 74301

Rotation lock in AISI 304 stainless steel - for hose reels in painted steel and AISI 304 stainless steel series 430 - 430 ABS - 530 - 540 - 560.

P/N 74302

Rotation lock in AISI 316 stainless steel - for hose reels in painted steel and AISI 316 stainless steel series 430 - 430 ABS - 530 - 540 - 560.



P/N 88650

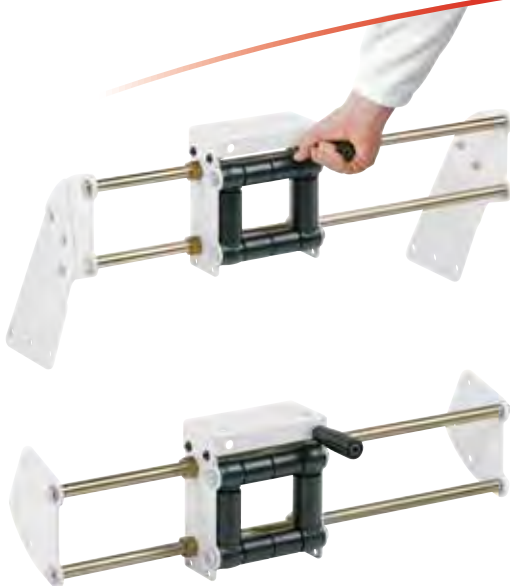
Protective rack side cover in ABS - for hose reel series 430.

P/N 88651

Protective rack side cover in ABS - for hose reel series 530 - 540 - 560.



ACCESSORIES FOR MANUAL, PAINTED STEEL HOSE REELS SERIES 700



High manual operation hose guide

P/N 77/22775B for width 270 mm

P/N 77/24175B for width 410 mm

P/N 77/25575B for width 550 mm

P/N 77/26975B for width 690 mm

By operating the special handle, the operator moves the hose to the right or left, ensuring correct rewinding.

Low manual operation hose guide

P/N 77/22775 for width 270 mm

P/N 77/24175 for width 410 mm

P/N 77/25575 for width 550 mm

P/N 77/26975 for width 690 mm



Standard closed hose guide, high

P/N 77/12775B for width 270 mm

P/N 77/14175B for width 410 mm

P/N 77/15575B for width 550 mm

P/N 77/16975B for width 690 mm

Hose guide with rollers that allow the hose to slide easily during unwinding and rewinding operations.

Standard closed hose guide, low

P/N 77/12775 for width 270 mm

P/N 77/14175 for width 410 mm

P/N 77/15575 for width 550 mm

P/N 77/16975 for width 690 mm



Standard open hose guide, high

P/N 77/32775B for width 270 mm

P/N 77/34175B for width 410 mm

P/N 77/35575B for width 550 mm

P/N 77/36975B for width 690 mm

This type of hose guide allows for installation of both versions (high and low) on the same hose reel, thus allowing hose unwinding in two opposing directions.

Standard open hose guide, low

P/N 77/32775 for width 270 mm

P/N 77/34175 for width 410 mm

P/N 77/35575 for width 550 mm

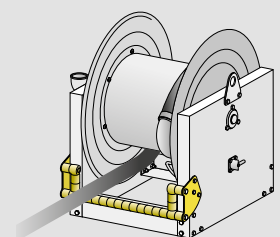
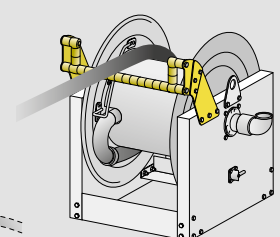
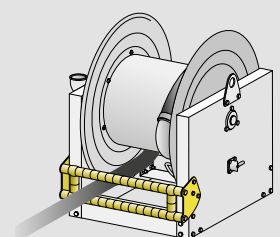
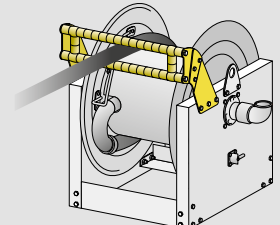
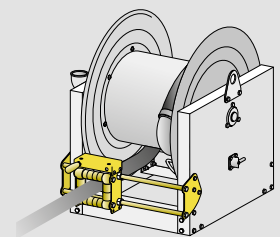
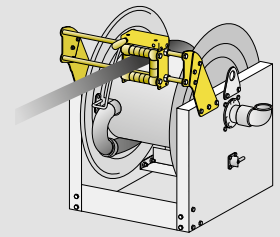
P/N 77/36975 for width 690 mm



P/N 77/2F Painted steel free fall clutch permits controlled unwinding of the hose and switches to neutral during rewinding phase.

P/N 77/3F Free fall clutch in AISI 316 stainless steel permits controlled unwinding of the hose and switches to neutral during rewinding phase.

P/N 77/4F Free fall clutch in AISI 304 stainless steel permits controlled unwinding of the hose and switches to neutral during rewinding phase.

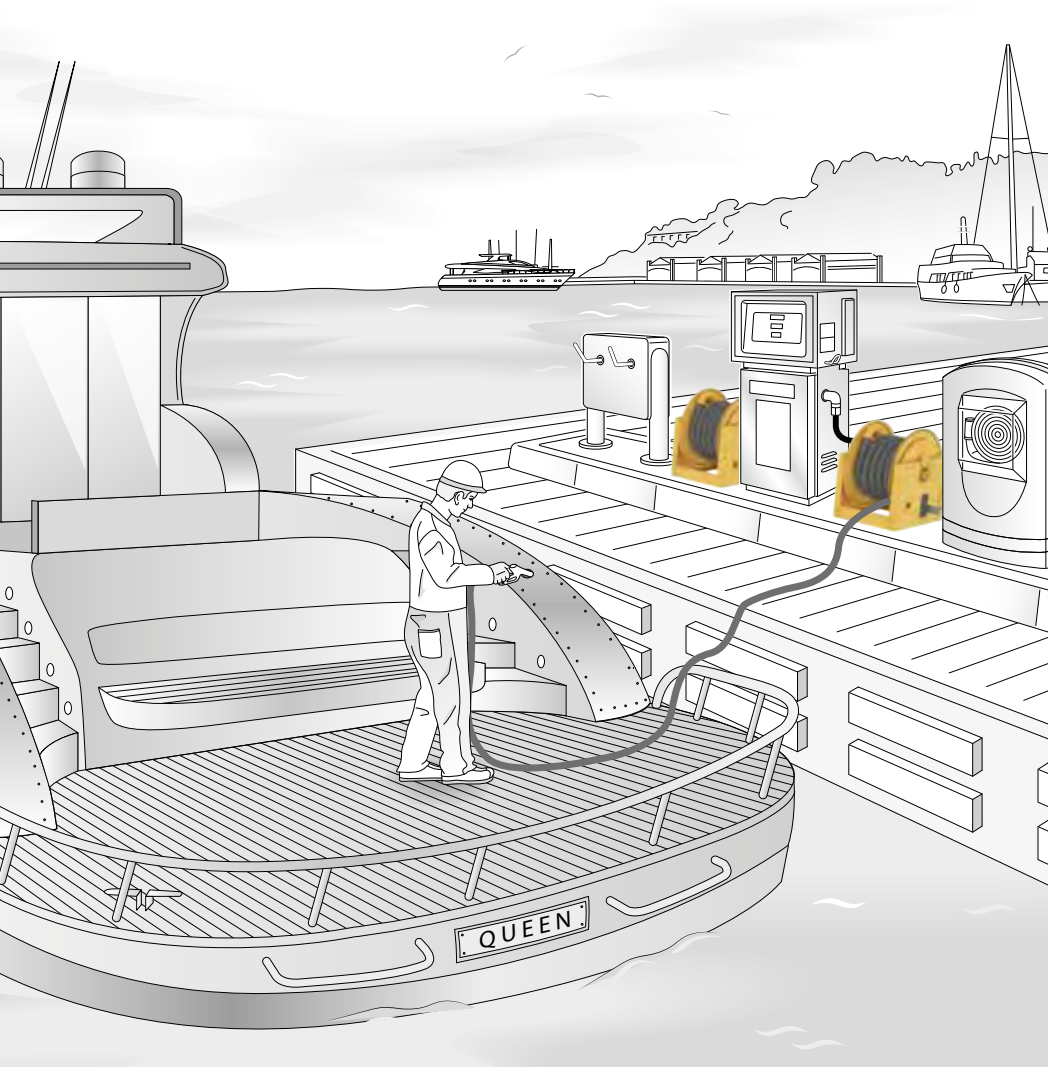




**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MOTORIZED HOSE REELS





REFUELLING SHIPS IN PORT

ROADS CLEANING



EXAMPLES OF **USE**

LUBE
TRUCKS AND
INDUSTRIAL
VEHICLES

MINING
INDUSTRY

SHIPPING AND
OFFSHORE

CHEMICAL
INDUSTRY

RAILWAY
TRANSPORT

...and much more



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

MOTORIZED HOSE REELS

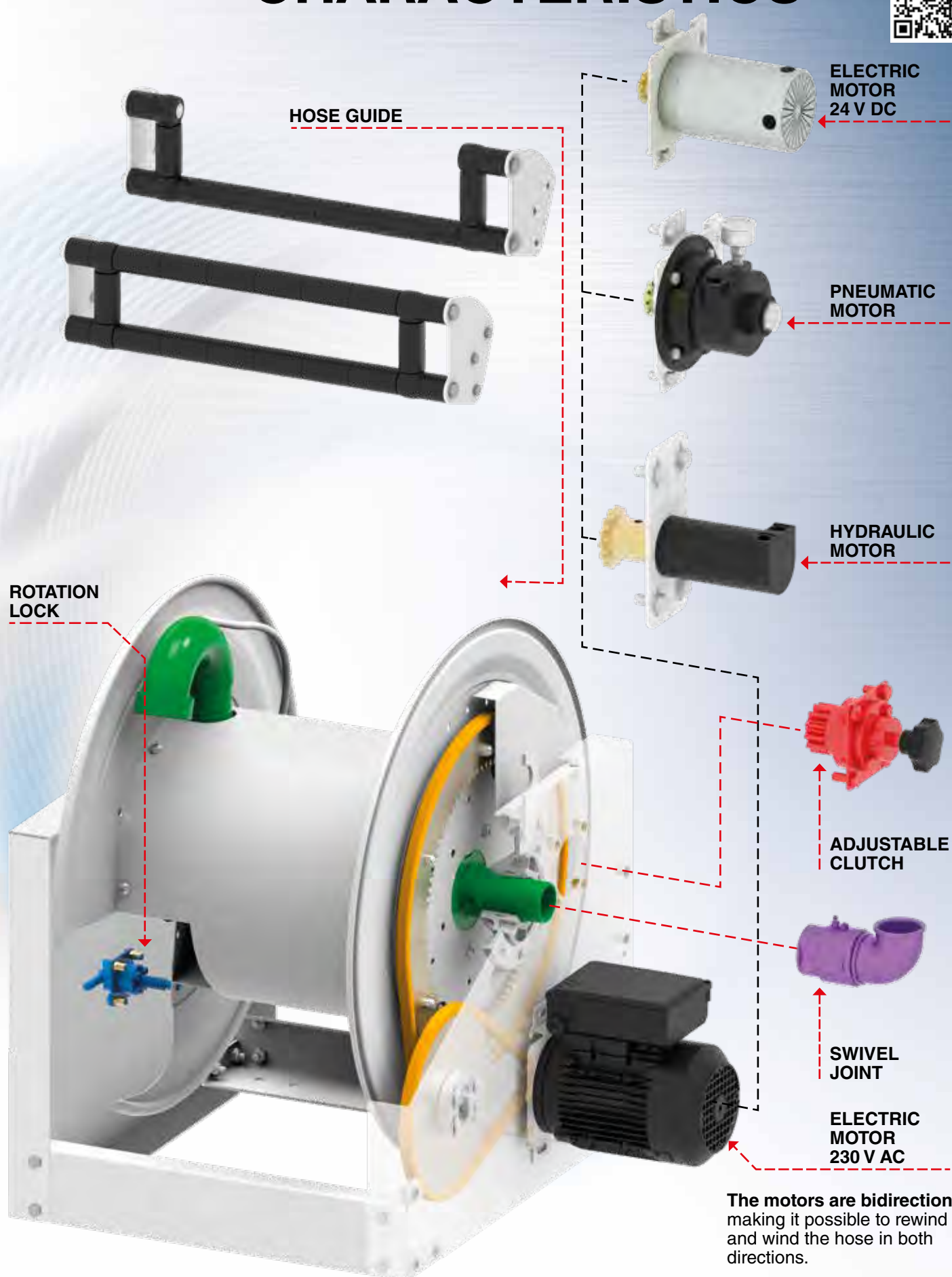


STRENGTH POINTS

- Different hose guides have been designed to extend average hose life and facilitate unwinding.
- Available for all standard models: rotation lock for use in vibration-prone environments (trucks, industrial machines, etc.).
- All moving parts are secured and protected against accidental access from the outside.
- The catalogue also contains models compliant with the ATEX directive for use in environments with potentially explosive atmospheres.
- Articles are also available in AISI 304 and 316 stainless steel for use in aggressive or corrosive environments.
- These are the largest capacity hose reels in the RAASM product range for rewinding hoses up to 2" in diameter.

TECHNICAL CHARACTERISTICS

Visit our
website



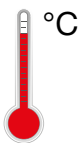


Type of fluid
AIR-WATER

Pressure
20 bar

Material
PAINTED STEEL

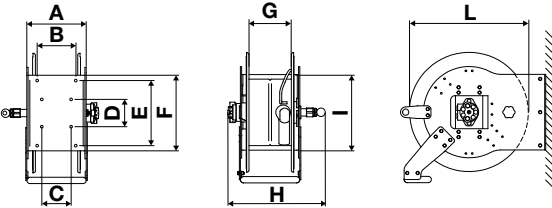
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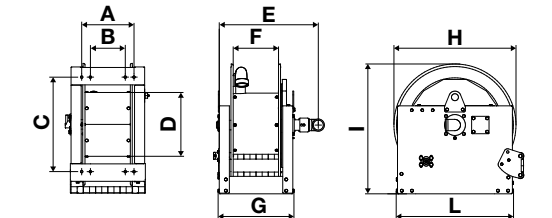
without hose, max. 100 °C



Seals	Swivel joint	Central pin
Viton®	brass	galvanized steel
	aluminum (s. 700)	
		

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
			617	283	185	140	130	310	360	200	465	317	570		670 x 610 x 760
			618	283	185	140	130	310	360	200	560	317	570		670 x 610 x 760
			637	467	370	140	130	310	360	390	650	317	570		810 x 670 x 760
			638	467	370	140	130	310	360	390	730	317	570		810 x 670 x 760

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
			270	300	200	542	365	570	260	435	700	760	670		820 x 770 x 845
			410	440	340	542	365	712	398	575	700	760	670		875 x 845 x 820
			550	580	480	542	365	850	538	717	700	760	670		1030 x 830 x 830
			690	720	620	542	365	990	680	855	700	760	670		1170 x 830 x 845

(W: width - D: depth - H: height)



P/N	Drum external width (mm)	Connection		Weight
		inlet	outlet	

HYDRAULIC

s. 617	8617.100	220	G 1" (f)		G 1" (f)		63,0 kg
Hose reel capacity		inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
		max. length	90 m	65 m	45 m	30 m	20 m
s. 637	8637.100	400	G 1" (f)		G 1" (f)		85,0 kg
Hose reel capacity		inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
		max. length	200 m	150 m	110 m	75 m	50 m

PNEUMATIC

s. 618	8618.100	220	G 1" (f)	G 1" (f)	70,4 kg		
Hose reel capacity		inner hose ø max. length	3/8" 90 m	1/2" 65 m	5/8" 45 m	3/4" 30 m	1" 20 m
s. 638	8638.100	400	G 1" (f)	G 1" (f)	92,4 kg		
Hose reel capacity		inner hose ø max. length	3/8" 200 m	1/2" 150 m	5/8" 110 m	3/4" 75 m	1" 50 m

ELECTRIC 24 V DC

s. 700	7721301.100	270	G 2" (f)	G 2" (f)	105,0 kg
	7741301.100	410	G 2" (f)	G 2" (f)	111,0 kg
	7751301.100	550	G 2" (f)	G 2" (f)	116,0 kg
	7771301.100	690	G 2" (f)	G 2" (f)	121,7 kg

ELECTRIC 230 V AC - 50 Hz

s. 700	7721601.100	270	G 2" (f)	G 2" (f)	110,0 kg
	7741601.100	410	G 2" (f)	G 2" (f)	116,0 kg
	7751601.100	550	G 2" (f)	G 2" (f)	120,8 kg
	7771601.100	690	G 2" (f)	G 2" (f)	126,5 kg

ELECTRIC 230 V AC - 50 Hz (with standard clutch) II 3 GD

s. 700	7721702.100	270	G 2" (f)	G 2" (f)	112,6 kg
	7741702.100	410	G 2" (f)	G 2" (f)	118,4 kg
	7751702.100	550	G 2" (f)	G 2" (f)	123,4 kg
	7771702.100	690	G 2" (f)	G 2" (f)	129,1 kg

HYDRAULIC

s. 700	7721801.100	270	G 2" (f)	G 2" (f)	100,0 kg
	7741801.100	410	G 2" (f)	G 2" (f)	106,3 kg
	7751801.100	550	G 2" (f)	G 2" (f)	111,3 kg
	7771801.100	690	G 2" (f)	G 2" (f)	117,0 kg

PNEUMATIC (This series is in accordance with ATEX directive II 3GD if ordered with clutch P/N 77/2F)

s. 700	7721901.100	270	G 2" (f)	G 2" (f)	104,2 kg
	7741901.100	410	G 2" (f)	G 2" (f)	110,0 kg
	7751901.100	550	G 2" (f)	G 2" (f)	115,0 kg
	7771901.100	690	G 2" (f)	G 2" (f)	120,7 kg

Hose reel capacity s. 700	inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
	drum width 270	160 m	110 m	65 m	32 m	20 m	17 m	10 m
	drum width 410	290 m	180 m	120 m	64 m	39 m	34 m	20 m
	drum width 550	420 m	280 m	180 m	100 m	60 m	54 m	30 m
	drum width 690	550 m	375 m	244 m	134 m	84 m	75 m	43 m

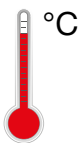


Type of fluid
HOT WATER

Pressure
70-100 bar

Material
PAINTED STEEL

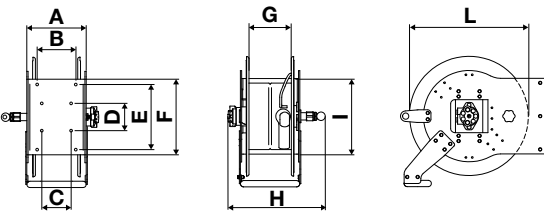
MOTORIZED



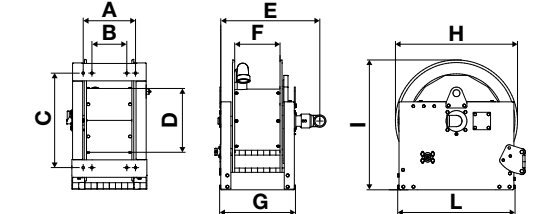
without hose, max. 130 °C



Seals	Swivel joint	Central pin
Viton®	AISI 304 s. steel	galvanized steel (s. 600)
	AISI 316 s. steel	AISI 316 s. steel (s. 700)
		

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
			617	283	185	140	130	310	360	200	465	317	570		670 x 610 x 760
			618	283	185	140	130	310	360	200	560	317	570		670 x 610 x 760
			637	467	370	140	130	310	360	390	650	317	570		810 x 670 x 760
			638	467	370	140	130	310	360	390	730	317	570		810 x 670 x 760

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
			270	300	200	542	365	570	260	435	700	760	670		820 x 770 x 845
			410	440	340	542	365	712	398	575	700	760	670		875 x 845 x 820
			550	580	480	542	365	850	538	717	700	760	670		1030 x 830 x 830
			690	720	620	542	365	990	680	855	700	760	670		1170 x 830 x 845

(W: width - D: depth - H: height)



P/N	Drum external width (mm)	Connection		Weight
		inlet	outlet	

HYDRAULIC

s. 617 100 bar	8617.200	220	G 1" (f)	G 1" (f)	63,0 kg
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Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 637 100 bar	8637.200	400	G 1" (f)	G 1" (f)	85,0 kg
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Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

PNEUMATIC

s. 618 100 bar	8618.200	220	G 1" (f)	G 1" (f)	70,4 kg
--------------------------	-----------------	-----	----------	----------	---------

Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 638 100 bar	8638.200	400	G 1" (f)	G 1" (f)	92,4 kg
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Hose reel capacity	inner hose Ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

ELECTRIC 230 V AC - 50 Hz PASSAGE AND SWIVEL JOINT IN AISI 316 STAINLESS STEEL

s. 700 70 bar	7726601.200	270	G 2" (f)	G 2" (f)	110,0 kg
	7746601.200	410	G 2" (f)	G 2" (f)	116,0 kg
	7756601.200	550	G 2" (f)	G 2" (f)	120,8 kg

ELECTRIC 230 V AC - 50 Hz (with standard clutch) PASSAGE AND SWIVEL JOINT IN AISI 316 STAINLESS STEEL



s. 700 70 bar	7726702.200	270	G 2" (f)	G 2" (f)	112,8 kg
	7756702.200	550	G 2" (f)	G 2" (f)	123,6 kg

PNEUMATIC - PASSAGE AND SWIVEL JOINT IN AISI 316 STAINLESS STEEL (This series is in accordance with ATEX directive II 3GD if ordered with clutch P/N 77/2F)

s. 700 70 bar	7746901.200	410	G 2" (f)	G 2" (f)	110,0 kg
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Hose reel capacity s. 700	inner hose Ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
	drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
	drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
	drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
	drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m

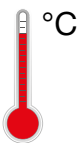


Type of fluid
HOT WATER

Pressure
70 bar

Material
- AISI 304 S. STEEL
- AISI 316 S. STEEL

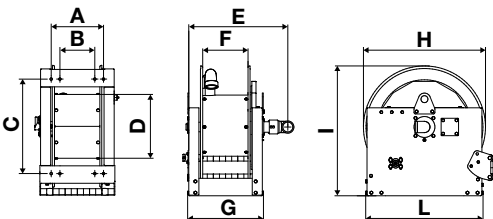
MOTORIZED



without hose, max. 130 °C



			Seals	Swivel joint	Central pin
WASTE OIL	OIL AND SIMILAR	DIESEL	Viton®	stainless steel AISI 304-316	stainless steel AISI 304-316
					

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
			270	300	200	542	365	570	260	200	465	760	670		820 x 770 x 845
			410	440	340	542	365	712	398	200	560	760	670		875 x 845 x 820
			550	580	480	542	365	850	538	390	650	760	670		1030 x 830 x 830
			690	720	620	542	365	990	680	390	730	760	670		1170 x 830 x 845

(W: width - D: depth - H: height)



P/N in AISI 304 stainless steel	P/N in AISI 316 stainless steel	Drum external width (mm)	Connection		Weight
			inlet	outlet	

ELECTRIC 24 V DC

s. 700	7724301.200	7725301.200	270	G 2" (f)	G 2" (f)	105,0 kg
	7744301.200	7745301.200	410	G 2" (f)	G 2" (f)	111,0 kg
	7754301.200	7755301.200	550	G 2" (f)	G 2" (f)	116,0 kg
	7774301.200	7775301.200	690	G 2" (f)	G 2" (f)	121,7 kg

ELECTRIC 230 V AC - 50 Hz

s. 700	7724601.200	7725601.200	270	G 2" (f)	G 2" (f)	110,0 kg
	7744601.200	7745601.200	410	G 2" (f)	G 2" (f)	116,0 kg
	7754601.200	7755601.200	550	G 2" (f)	G 2" (f)	120,8 kg
	7774601.200	7775601.200	690	G 2" (f)	G 2" (f)	126,5 kg

ELECTRIC 230 V AC - 50 Hz (with standard clutch) II 3 GD

s. 700 ATEX	7724702.200	7725702.200	270	G 2" (f)	G 2" (f)	112,8 kg
	7744702.200	7745702.200	410	G 2" (f)	G 2" (f)	118,8 kg
	7754702.200	7755702.200	550	G 2" (f)	G 2" (f)	123,6 kg
	7774702.200	7775702.200	690	G 2" (f)	G 2" (f)	129,3 kg

HYDRAULIC

s. 700	7724801.200	7725801.200	270	G 2" (f)	G 2" (f)	100,0 kg
	7744801.200	7745801.200	410	G 2" (f)	G 2" (f)	106,3 kg
	7754801.200	7755801.200	550	G 2" (f)	G 2" (f)	111,3 kg
	7774801.200	7775801.200	690	G 2" (f)	G 2" (f)	117,0 kg

PNEUMATIC (This series is in accordance with ATEX directive II 3GD if ordered with clutch P/N 77/2F)

s. 700	7724901.200	7725901.200	270	G 2" (f)	G 2" (f)	104,2 kg
	7744901.200	7745901.200	410	G 2" (f)	G 2" (f)	110,0 kg
	7754901.200	7755901.200	550	G 2" (f)	G 2" (f)	115,0 kg
	7774901.200	7775901.200	690	G 2" (f)	G 2" (f)	120,7 kg

Hose reel capacity s. 700	inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
	drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
	drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
	drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
	drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m

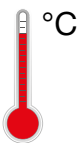


Type of fluid
**OIL AND
SIMILAR**

Pressure
70-150 bar

Material
PAINTED STEEL

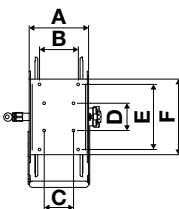
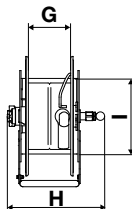
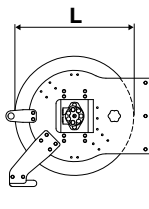
MOTORIZED



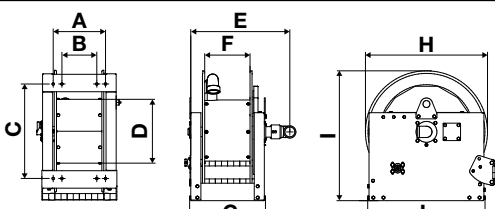
without hose, max. 80 °C



	Seals	Swivel joint	Central pin
S. 600	polyurethane	galvanized steel	galvanized steel
S. 700	Viton®		
			

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H		
			617	283	185	140	130	310	360	200	465	317	570		670 x 710 x 760	
			618	283	185	140	130	310	360	200	560	317	570		670 x 710 x 760	
			637	467	370	140	130	310	360	390	650	317	570		810 x 670 x 760	
			638	467	370	140	130	310	360	390	730	317	570		810 x 670 x 760	
(W: width - D: depth - H: height)																

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H		
	270	300	200	542	365	570	260	422	700	760	659		820 x 770 x 845			
	410	440	340	542	365	710	398	562	700	760	659		875 x 845 x 820			
	550	580	480	542	365	850	538	702	700	760	659		1030 x 830 x 830			
	690	720	620	542	365	990	680	842	700	760	659		1170 x 830 x 845			
															(W: width - D: depth - H: height)	

(W: width - D: depth - H: height)



P/N	Drum external width (mm)	Connection		Weight
		inlet	outlet	

HYDRAULIC

s. 617 150 bar	8617.400	220	G 1" (f)	G 1" (f)	63,0 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 637 150 bar	8637.400	400	G 1" (f)	G 1" (f)	85,0 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

PNEUMATIC

s. 618 150 bar	8618.400	220	G 1" (f)	G 1" (f)	70,4 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 638 150 bar	8638.400	400	G 1" (f)	G 1" (f)	92,4 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

ELECTRIC 24 V DC

s. 700 70 bar	7721301.400	270	G 2" (f)	G 2" (f)	105,0 kg
	7741301.400	410	G 2" (f)	G 2" (f)	111,0 kg
	7751301.400	550	G 2" (f)	G 2" (f)	116,0 kg
	7771301.400	690	G 2" (f)	G 2" (f)	121,7 kg

ELECTRIC 230 V AC - 50 Hz

s. 700 70 bar	7721601.400	270	G 2" (f)	G 2" (f)	110,0 kg
	7741601.400	410	G 2" (f)	G 2" (f)	116,0 kg
	7751601.400	550	G 2" (f)	G 2" (f)	120,8 kg
	7771601.400	690	G 2" (f)	G 2" (f)	126,5 kg

ELECTRIC 230 V AC - 50 Hz (with standard clutch) II 3 GD

s. 700 70 bar	7721702.400	270	G 2" (f)	G 2" (f)	112,6 kg
	7741702.400	410	G 2" (f)	G 2" (f)	118,4 kg
	7751702.400	550	G 2" (f)	G 2" (f)	123,4 kg
	7771702.400	690	G 2" (f)	G 2" (f)	129,1 kg

HYDRAULIC

s. 700 70 bar	7721801.400	270	G 2" (f)	G 2" (f)	100,0 kg
	7741801.400	410	G 2" (f)	G 2" (f)	106,3 kg
	7751801.400	550	G 2" (f)	G 2" (f)	111,3 kg
	7771801.400	690	G 2" (f)	G 2" (f)	117,0 kg

PNEUMATIC (This series is in accordance with ATEX directive II 3GD if ordered with clutch P/N 77/2F)

s. 700 70 bar	7721901.400	270	G 2" (f)	G 2" (f)	104,2 kg
	7741901.400	410	G 2" (f)	G 2" (f)	110,0 kg
	7751901.400	550	G 2" (f)	G 2" (f)	115,0 kg
	7771901.400	690	G 2" (f)	G 2" (f)	120,7 kg

Hose reel capacity s. 700	inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
	drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
	drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
	drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
	drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m

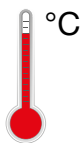


Type of fluid
GREASE

Pressure
400 bar

Material
PAINTED STEEL

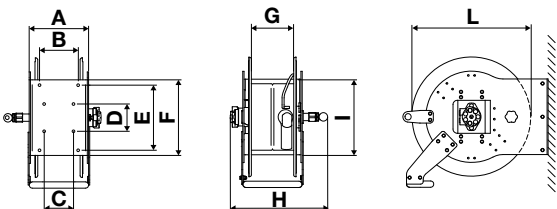
MOTORIZED



without hose, max. 80 °C



Seals	Swivel joint	Central pin
polyurethane	galvanized steel	galvanized steel
		

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
	617	283	185	140	130	310	360	200	465	317	570			670 x 610 x 760	
	618	283	185	140	130	310	360	200	560	317	570			670 x 610 x 760	
	637	467	370	140	130	310	360	390	650	317	570			810 x 670 x 760	
	638	467	370	140	130	310	360	390	730	317	570			810 x 670 x 760	

(W: width - D: depth - H: height)

(W: width - D: depth - H: height)



P/N	Drum external width (mm)	Connection		Weight
		inlet	outlet	

HYDRAULIC

s. 617	8617.500	220	G 1" (f)	G 1" (f)	63,0 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 637	8637.500	400	G 1" (f)	G 1" (f)	85,0 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

PNEUMATIC

s. 618	8618.500	220	G 1" (f)	G 1" (f)	70,4 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 638	8638.500	400	G 1" (f)	G 1" (f)	92,4 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

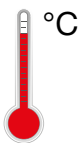


Type of fluid
DIESEL

Pressure
20 bar

Material
PAINTED STEEL

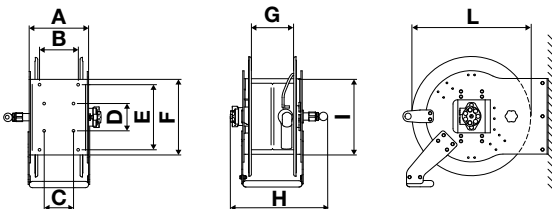
MOTORIZED



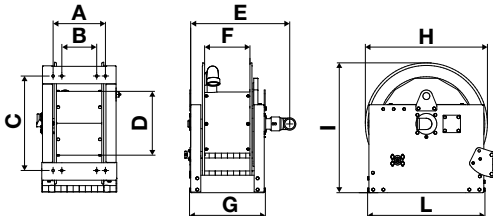
without hose, max. 100 °C



Seals	Swivel joint	Central pin
Viton®	brass	galvanized steel
	aluminum (s. 700)	
		

Overall dimensions (mm)			Series	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
	617	283	185	140	130	310	360	200	465	317	570		670 x 710 x 760		
	618	283	185	140	130	310	360	200	560	317	570		670 x 710 x 760		
	637	467	370	140	130	310	360	390	650	317	570		810 x 670 x 760		
	638	467	370	140	130	310	360	390	730	317	570		810 x 670 x 760		
(W: width - D: depth - H: height)															

(W: width - D: depth - H: height)

Overall dimensions s. 700 (mm)			Drum W	A	B	C	D	E	F	G	H	I	L	Packaging (mm) W x D x H	
	270	300	200	542	365	570	260	435	700	760	670		820 x 770 x 845		
	410	440	340	542	365	712	398	575	700	760	670		875 x 845 x 820		
	550	580	480	542	365	850	538	717	700	760	670		1030 x 830 x 830		
	690	720	620	542	365	990	680	855	700	760	670		1170 x 830 x 845		
(W: width - D: depth - H: height)															

(W: width - D: depth - H: height)



P/N	Drum external width (mm)	Connection		Weight
		inlet	outlet	

HYDRAULIC

s. 617	8617.600	220	G 1.1/2" (f)	G 1.1/2" (f)	63,0 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"
	max. length	90 m	65 m	45 m	30 m	20 m	15 m	10 m

s. 637	8637.600	400	G 1.1/2" (f)	G 1.1/2" (f)	85,0 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"	1.1/4"	1.1/2"
	max. length	200 m	150 m	110 m	75 m	50 m	30 m	20 m

PNEUMATIC

s. 618	8618.100	220	G 1" (f)	G 1" (f)	70,4 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	90 m	65 m	45 m	30 m	20 m

s. 638	8638.100	400	G 1" (f)	G 1" (f)	92,4 kg
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Hose reel capacity	inner hose ø	3/8"	1/2"	5/8"	3/4"	1"
	max. length	200 m	150 m	110 m	75 m	50 m

ELECTRIC 24 V DC

s. 700	7721301.100	270	G 2" (f)	G 2" (f)	105,0 kg
	7741301.100	410	G 2" (f)	G 2" (f)	111,0 kg
	7751301.100	550	G 2" (f)	G 2" (f)	116,0 kg
	7771301.100	690	G 2" (f)	G 2" (f)	121,7 kg

ELECTRIC 230 V AC - 50 Hz

s. 700	7721601.100	270	G 2" (f)	G 2" (f)	110,0 kg
	7741601.100	410	G 2" (f)	G 2" (f)	116,8 kg
	7751601.100	550	G 2" (f)	G 2" (f)	120,8 kg
	7771601.100	690	G 2" (f)	G 2" (f)	126,8 kg

ELECTRIC 230 V AC - 50 Hz (with standard clutch) II 3 GD

s. 700	7721702.100	270	G 2" (f)	G 2" (f)	112,6 kg
	7741702.100	410	G 2" (f)	G 2" (f)	118,4 kg
	7751702.100	550	G 2" (f)	G 2" (f)	123,4 kg
	7771702.100	690	G 2" (f)	G 2" (f)	129,1 kg

HYDRAULIC

s. 700	7721801.100	270	G 2" (f)	G 2" (f)	100,0 kg
	7741801.100	410	G 2" (f)	G 2" (f)	106,3 kg
	7751801.100	550	G 2" (f)	G 2" (f)	111,3 kg
	7771801.100	690	G 2" (f)	G 2" (f)	117,0 kg

PNEUMATIC

s. 700	7721901.100	270	G 2" (f)	G 2" (f)	104,2 kg
	7741901.100	410	G 2" (f)	G 2" (f)	110,0 kg
	7751901.100	550	G 2" (f)	G 2" (f)	115,0 kg
	7771901.100	690	G 2" (f)	G 2" (f)	120,7 kg

Hose reel capacity s. 700	inner hose ø	3/8"	1/2"	3/4"	1"	1.1/4"	1.1/2"	2"
	drum width 270	160 m	110 m	65 m	30 m	20 m	15 m	10 m
	drum width 410	290 m	180 m	120 m	60 m	35 m	30 m	20 m
	drum width 550	420 m	280 m	180 m	100 m	60 m	50 m	30 m
	drum width 690	550 m	350 m	244 m	134 m	84 m	75 m	43 m

ACCESSORIES FOR MOTORIZED HOSE REELS - SERIES 700



High manual operation hose guide

P/N 77/22775B for width 270 mm

P/N 77/24175B for width 410 mm

P/N 77/25575B for width 550 mm

P/N 77/26975B for width 690 mm

By operating the special handle, the operator moves the hose to the right or left, ensuring correct rewinding.



Low manual operation hose guide

P/N 77/22775 for width 270 mm

P/N 77/24175 for width 410 mm

P/N 77/25575 for width 550 mm

P/N 77/26975 for width 690 mm



Standard closed hose guide, high

P/N 77/12775B for width 270 mm

P/N 77/14175B for width 410 mm

P/N 77/15575B for width 550 mm

P/N 77/16975B for width 690 mm

Hose guide with rollers that allow the hose to slide easily during unwinding and rewinding operations.



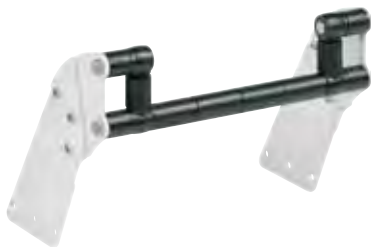
Standard closed hose guide, low

P/N 77/12775 for width 270 mm

P/N 77/14175 for width 410 mm

P/N 77/15575 for width 550 mm

P/N 77/16975 for width 690 mm



Standard open hose guide, high

P/N 77/32775B for width 270 mm

P/N 77/34175B for width 410 mm

P/N 77/35575B for width 550 mm

P/N 77/36975B for width 690 mm

This type of hose guide allows for installation of both versions (high and low) on the same hose reel, thus allowing hose unwinding in two opposing directions.



Standard open hose guide, low

P/N 77/32775 for width 270 mm

P/N 77/34175 for width 410 mm

P/N 77/35575 for width 550 mm

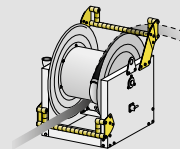
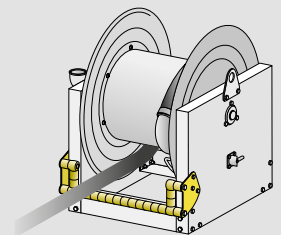
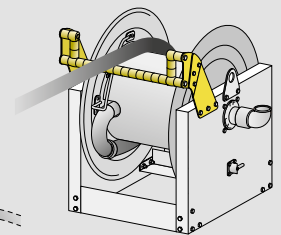
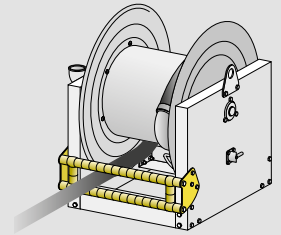
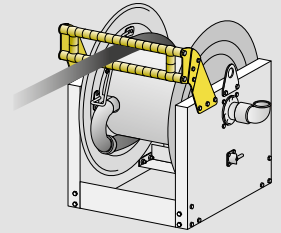
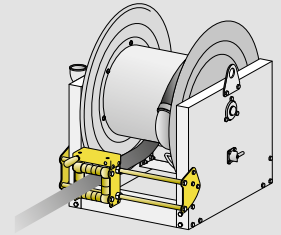
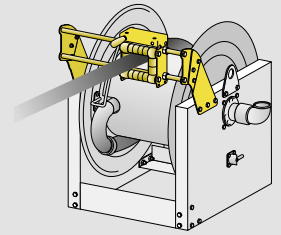
P/N 77/36975 for width 690 mm



P/N 77/2F Painted steel free fall clutch permits controlled unwinding of the hose and switches to neutral during rewinding phase.

P/N 77/3F Free fall clutch in AISI 316 stainless steel permits controlled unwinding of the hose and switches to neutral during rewinding phase.

P/N 77/4F Free fall clutch in AISI 304 stainless steel permits controlled unwinding of the hose and switches to neutral during rewinding phase.



HOSES

TECHNICAL DATA



STRENGTH POINTS

The range of hoses offered by RAASM for its hose reels is in line with company's quality standards and guarantees superb performance in applications with the pressures specified in the catalogue.

For conditions other than those recommended, RAASM will work with the customer to evaluate each and every aspect of the pertinent application (material compatibility with the fluid, working temperature, operating pressure, etc.) to determine the best hose for each specific case.



The hoses mounted on the hose reels must be suitable to handle the operating pressures indicated on the hose reel's label.

HOSES: TECHNICAL DATA



CONNECTION HOSE FOR HOSE REEL - SYSTEM INTERCONNECTION

P/N	Pressure	Hose length	Hose characteristics	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
987.205	10 bar	0,6 m	antistatic EPDM	3/4"	19 x 27 mm	G 3/4" (f)	G 1/2" (m)	AISI 304 s. steel
987.206	10 bar	0,6 m	antistatic EPDM	3/4"	19 x 27 mm	G 3/4" (f)	G 1" (m)	AISI 304 s. steel
995.106	10 bar	0,6 m	atoxic hygienic	3/8"	10 x 17 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
996.106	10 bar	0,6 m	atoxic hygienic	1/2"	13 x 20 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
997.806	10 bar	0,6 m	black rubber	3/4"	19 x 27 mm	G 1/2" (m)	G 3/4" (f)	galvanized steel
998.106	10 bar	0,6 m	atoxic hygienic	1"	25 x 35 mm	G 1" (m)	G 1" (f)	galvanized steel
972.102	20 bar	1,5 m	polyurethane	10 x 14,5	10 x 14,5 mm	G 3/8" (m)	G 3/8" (f)	brass
975.1002	20 bar	1,5 m	NBR/PVC	3/8"	10 x 17 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
975.902	20 bar	1,5 m	SBR/EPDM	2 x 3/8"	9 + 9 x 16 mm	G 3/8" (f)	G 3/8" (f)	brass
976.102	20 bar	1,5 m	polyurethane	13 x 19	13 x 19 mm	G 1/2" (f)	G 1/2" (m)	brass
993.201	20 bar	1 m	black rubber	1/4"	6,4 x 13 mm	G 1/4" (f)	G 1/4" (m)	galvanized steel
993.202	20 bar	2 m	black rubber	1/4"	6,4 x 13 mm	G 1/4" (f)	G 1/4" (m)	galvanized steel
995.206	20 bar	0,6 m	black rubber	3/8"	9,5 x 16 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
998.305	50 bar	0,6 m	black rubber	1"	25,4 x 31,5 mm	G 1" (m)	G 1" (f)	galvanized steel
998.3301	50 bar	1 m	black rubber	1"	25,4 x 31,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.3302	50 bar	2 m	black rubber	1"	25,4 x 31,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.3306	50 bar	0,6 m	black rubber	1"	25,4 x 31,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.406	50 bar	0,6 m	hygienic	1"	24,5 x 31,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.806	50 bar	0,6 m	black rubber	1"	25 x 35 mm	G 1" (m)	G 1" (f)	galvanized steel
996.305	100 bar	0,6 m	black rubber	1/2"	12,7 x 19 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
997.3305	100 bar	5 m	black rubber	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.3306	100 bar	0,6 m	black rubber	3/4"	19 x 26,5 mm	G 1/2" (m)	G 3/4" (f)	galvanized steel
996.406	100 bar	0,6 m	hygienic	1/2"	12,7 x 18,5 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
995.301	150 bar	1,2 m	black rubber	3/8"	9,5 x 16 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
996.301	150 bar	1 m	black rubber	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.3015	150 bar	1,5 m	black rubber	1/2"	12,7 x 19 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
996.302	150 bar	2 m	black rubber	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (f)	galvanized steel
996.304	150 bar	4 m	black rubber	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.306	150 bar	0,6 m	black rubber	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
995.506	200 bar	0,6 m	black rubber	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
995.606	200 bar	0,6 m	hygienic	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
993.504	400 bar	4 m	black rubber	1/4"	6,3 x 17,5 mm	G 1/4" (f)	G 1/4" (m)	galvanized steel
995.701	400 bar	1 m	black rubber	3/8"	9,5 x 18 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
995.702	400 bar	2 m	black rubber	3/8"	9,5 x 18 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
995.706	400 bar	0,6 m	black rubber	3/8"	9,5 x 18 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
995.806	400 bar	0,6 m	black rubber	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
995.906	400 bar	0,6 m	hygienic	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel

Air-water 10 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
995.112	12 m	atoxic hygienic	95 °C	3/8"	10 x 17 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
996.110	10 m	atoxic hygienic	95 °C	1/2"	13 x 20 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
996.116	15 m	atoxic hygienic	95 °C	1/2"	13 x 20 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
996.120	20 m	atoxic hygienic	95 °C	1/2"	13 x 20 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
996.125	25 m	atoxic hygienic	95 °C	1/2"	13 x 20 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
996.130	30 m	atoxic hygienic	95 °C	1/2"	13 x 20 mm	G 1/2" (m)	G 1/2" (f)	galvanized steel
997.115	15 m	atoxic hygienic	95 °C	3/4"	19 x 27 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
997.120	20 m	atoxic hygienic	95 °C	3/4"	19 x 27 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
997.130	30 m	atoxic hygienic	95 °C	3/4"	19 x 27 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
997.140	40 m	atoxic hygienic	95 °C	3/4"	19 x 27 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
998.115	15 m	atoxic hygienic	95 °C	1"	25 x 35 mm	G 1" (m)	G 1" (f)	galvanized steel
998.120	20 m	atoxic hygienic	95 °C	1"	25 x 35 mm	G 1" (m)	G 1" (f)	galvanized steel
998.130	30 m	atoxic hygienic	95 °C	1"	25 x 35 mm	G 1" (m)	G 1" (f)	galvanized steel

Air-water 20 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
971.010	10 m	polyurethane	60 °C	1/4"	6 x 10 mm	G 3/8" (m)	G 1/4" (m)	brass
971.011	11 m	polyurethane	60 °C	1/4"	6 x 10 mm	G 1/4" (m)	G 1/4" (m)	brass
971.015	15 m	polyurethane	60 °C	1/4"	6 x 10 mm	G 3/8" (m)	G 1/4" (m)	brass
971.111	11 m	polyurethane	60 °C	5/16"	8 x 12 mm	G 1/4" (m)	G 1/4" (m)	brass
971.115	15 m	polyurethane	60 °C	5/16"	6 x 12 mm	G 3/8" (m)	G 1/4" (m)	brass
971.118	18 m	polyurethane	60 °C	5/16"	8 x 12 mm	G 3/8" (m)	G 1/4" (m)	brass
971.120	20 m	polyurethane	60 °C	5/16"	8 x 12 mm	G 3/8" (m)	G 1/4" (m)	brass
972.113	13 m	polyurethane	60 °C	3/8"	10 x 14,5 mm	G 3/8" (m)	G 3/8" (m)	brass
972.115	15 m	polyurethane	60 °C	3/8"	10 x 14,5 mm	G 3/8" (m)	G 3/8" (m)	brass
972.120	20 m	polyurethane	60 °C	3/8"	10 x 14,5 mm	G 3/8" (m)	G 3/8" (m)	brass
976.108	8 m	polyurethane	60 °C	1/2"	13 x 19 mm	G 1/2" (m)	G 1/2" (m)	brass
976.110	10 m	polyurethane	60 °C	1/2"	13 x 19 mm	G 1/2" (m)	G 1/2" (m)	brass
976.111	10 m	polyurethane	60 °C	1/2"	13 x 19 mm	G 1/2" (f)	G 1/2" (m)	brass
976.112	12 m	polyurethane	60 °C	1/2"	13 x 19 mm	G 1/2" (m)	G 1/2" (m)	brass
976.114	15 m	polyurethane	60 °C	1/2"	13 x 19 mm	G 1/2" (m)	G 1/2" (m)	brass
976.115	15 m	polyurethane	60 °C	1/2"	13 x 19 mm	G 1/2" (f)	G 1/2" (m)	brass
993.215	15 m	black rubber	80 °C	1/4"	6,5 x 12,6 mm	G 3/8" (m)	G 1/4" (m)	galvanized steel
995.210	10 m	black rubber	80 °C	3/8"	9,5 x 17 mm	G 3/8" (m)	G 3/8" (m)	galvanized steel
995.211	12 m	black rubber	80 °C	3/8"	9,5 x 16 mm	G 3/8" (m)	G 3/8" (m)	galvanized steel
995.212	12 m	black rubber	80 °C	3/8"	9,5 x 16 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
995.217	18 m	black rubber	80 °C	3/8"	9,5 x 16 mm	G 3/8" (m)	G 3/8" (m)	galvanized steel
995.218	18 m	black rubber	80 °C	3/8"	9,5 x 16 mm	G 3/8" (f)	G 3/8" (m)	galvanized steel
996.210	10 m	black rubber	80 °C	1/2"	12,7 x 20 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.215	15 m	black rubber	80 °C	1/2"	12,7 x 20 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.220	20 m	black rubber	80 °C	1/2"	12,7 x 20 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.225	25 m	black rubber	80 °C	1/2"	12,7 x 20 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.230	30 m	black rubber	80 °C	1/2"	12,7 x 20 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
997.215	15 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.220	20 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.230	30 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.240	40 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
998.215	15 m	black rubber	80 °C	1"	25,4 x 32,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.220	20 m	black rubber	80 °C	1"	25,4 x 32,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.230	30 m	black rubber	80 °C	1"	25,4 x 32,5 mm	G 1" (f)	G 1" (m)	galvanized steel

Hot water 50 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
998.315	15 m	black rubber	80 °C	1"	25,4 x 31,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.330	30 m	black rubber	80 °C	1"	25,4 x 31,5 mm	G 1" (f)	G 1" (m)	galvanized steel

Hot water 100 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
995.313	12 m	black rubber	80 °C	3/8"	9,5 x 15 mm	G 3/8" (m)	G 3/8" (m)	galvanized steel
995.318	17 m	black rubber	80 °C	3/8"	9,5 x 15 mm	G 3/8" (m)	G 3/8" (m)	galvanized steel
995.412	12 m	hygienic	130 °C	3/8"	9,5 x 15 mm	G 3/8" (m)	G 3/8" (m)	galvanized steel
996.311	10 m	black rubber	80 °C	1/2"	12,7 x 18,5 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.316	15 m	black rubber	80 °C	1/2"	12,7 x 18,5 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.321	20 m	black rubber	80 °C	1/2"	12,7 x 18,5 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.415	15 m	hygienic	130 °C	1/2"	12,7 x 18,5 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.425	25 m	hygienic	130 °C	1/2"	12,7 x 18,5 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
997.320	20 m	black rubber	80 °C	3/4"	19 x 25 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.420	20 m	hygienic	130 °C	3/4"	19 x 25 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel

Hot water 200 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
994.512	12 m	black rubber	130 °C	5/16"	8 x 15 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
994.517	17 m	black rubber	130 °C	5/16"	8 x 15 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
994.612	12 m	hygienic	130 °C	5/16"	8 x 15 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
995.512	12 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.518	18 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.520	20 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.525	25 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.530	30 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.540	40 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.550	50 m	black rubber	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.618	18 m	hygienic	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.625	25 m	hygienic	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.630	30 m	hygienic	130 °C	3/8"	9,5 x 17 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel

Hot water 400 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
994.717	17 m	black rubber	130 °C	5/16"	8 x 16 mm	G 3/8" (m)	G 3/8" (f)	galvanized steel
995.815	15 m	black rubber	130 °C	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.820	20 m	black rubber	130 °C	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.825	25 m	black rubber	130 °C	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.915	15 m	hygienic	130 °C	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel
995.925	25 m	hygienic	130 °C	3/8"	9,5 x 17,5 mm	G 3/8" (f)	G 3/8" (f)	galvanized steel

Oil and similar 50 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
998.3310	10 m	black rubber	80 °C	1"	25,4 x 33,5 mm	G 1" (m)	G 1" (f)	galvanized steel
998.3315	15 m	black rubber	80 °C	1"	25,4 x 33,5 mm	G 1" (f)	G 1" (m)	galvanized steel
998.3320	20 m	black rubber	80 °C	1"	25,4 x 33,5 mm	G 1" (m)	G 1" (f)	galvanized steel
998.3330	30 m	black rubber	80 °C	1"	25,4 x 33,5 mm	G 1" (f)	G 1" (m)	galvanized steel

Oil and similar 100 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
997.3308	8 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (m)	G 1/2" (f)	galvanized steel
997.3312	12 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
997.3315	15 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.3320	20 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.3330	30 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
997.3340	40 m	black rubber	80 °C	3/4"	19 x 26,5 mm	G 3/4" (m)	G 3/4" (f)	galvanized steel
999.3310	10 m	black rubber	80 °C	5/8"	16 x 23 mm	G 1/2" (f)	G 3/4" (m)	galvanized steel

Oil and similar 150 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
995.312	12 m	black rubber	80 °C	3/8"	9,5 x 16 mm	G 3/8" (m)	G 1/2" (m)	galvanized steel
995.317	17 m	black rubber	80 °C	3/8"	9,5 x 16 mm	G 3/8" (m)	G 1/2" (m)	galvanized steel
996.310	10 m	black rubber	80 °C	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.315	15 m	black rubber	80 °C	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.320	20 m	black rubber	80 °C	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.325	25 m	black rubber	80 °C	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
996.330	30 m	black rubber	80 °C	1/2"	12,7 x 19 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel

Grease 400 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
993.511	12 m	black rubber	80 °C	1/4"	6,3 x 17,5 mm	G 3/8" (m)	G 1/4" (m)	galvanized steel
993.512	12 m	black rubber	80 °C	1/4"	6,3 x 17,5 mm	G 1/4" (f)	G 1/4" (m)	galvanized steel
993.516	16 m	black rubber	80 °C	1/4"	6,3 x 17,5 mm	G 3/8" (m)	G 1/4" (m)	galvanized steel
993.518	18 m	black rubber	80 °C	1/4"	6,3 x 17,5 mm	G 1/4" (f)	G 1/4" (m)	galvanized steel
995.710	10 m	black rubber	80 °C	3/8"	9,5 x 18 mm	G 3/8" (f)	G 1/4" (m)	galvanized steel
995.715	15 m	black rubber	80 °C	3/8"	9,5 x 18 mm	G 3/8" (f)	G 1/4" (m)	galvanized steel
995.720	20 m	black rubber	80 °C	3/8"	9,5 x 18 mm	G 3/8" (f)	G 1/4" (m)	galvanized steel
995.725	25 m	black rubber	80 °C	3/8"	9,5 x 18 mm	G 3/8" (f)	G 1/4" (m)	galvanized steel
995.730	30 m	black rubber	80 °C	3/8"	9,5 x 18 mm	G 3/8" (f)	G 1/4" (m)	galvanized steel

Diesel 10 bar

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
997.808	8 m	black rubber	80 °C	3/4"	19 x 27 mm	G 1/2" (f)	G 3/4" (m)	galvanized steel
997.812	12 m	black rubber	80 °C	3/4"	19 x 27 mm	G 1/2" (f)	G 1/2" (m)	galvanized steel
997.815	15 m	black rubber	80 °C	3/4"	19 x 27 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.820	20 m	black rubber	80 °C	3/4"	19 x 27 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
997.840	40 m	black rubber	80 °C	3/4"	19 x 27 mm	G 3/4" (f)	G 3/4" (m)	galvanized steel
998.808	8 m	black rubber	80 °C	1"	25 x 35 mm	G 1" (f)	G 1" (m)	galvanized steel
998.815	15 m	black rubber	80 °C	1"	25 x 35 mm	G 1" (f)	G 1" (m)	galvanized steel
998.820	20 m	black rubber	80 °C	1"	25 x 35 mm	G 1" (f)	G 1" (m)	galvanized steel
998.830	30 m	black rubber	80 °C	1"	25 x 35 mm	G 1" (f)	G 1" (m)	galvanized steel
999.810	10 m	black rubber	80 °C	5/8"	16 x 23 mm	G 1/2" (f)	G 3/4" (m)	galvanized steel

P/N	Hose length	Hose characteristics	Max. working temperature	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
987.208	8 m	Antistatic EPDM	80 °C	3/4"	19 x 27 mm	G 1/2" (f)	G 3/4" (m)	AISI 304 s. steel
987.210	10 m	Antistatic EPDM	80 °C	3/4"	19 x 27 mm	G 3/4" (f)	G 3/4" (m)	AISI 304 s. steel
987.215	15 m	Antistatic EPDM	80 °C	3/4"	19 x 27 mm	G 3/4" (f)	G 3/4" (m)	AISI 304 s. steel

 Welding 20 bar - EN ISO 3821

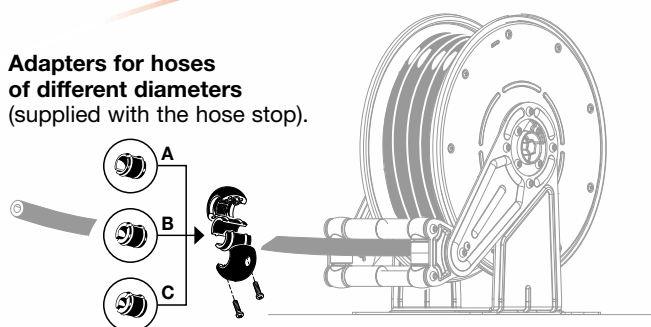
P/N	Hose length	Hose characteristics	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
973.913	13 m	SBR/EPDM	2 x 1/4"	2 x (6,3 x 13) mm	G 3/8" (f)	G 3/8" (f)	brass
973.917	17 m	SBR/EPDM	2 x 1/4"	2 x (6,3 x 13) mm	G 3/8" (f)	G 3/8" (f)	brass
973.920	20 m	SBR/EPDM	2 x 1/4"	2 x (6,3 x 13) mm	G 3/8" (f)	G 3/8" (f)	brass
973.925	25 m	SBR/EPDM	2 x 1/4"	2 x (6,3 x 13) mm	G 3/8" (f)	G 3/8" (f)	brass
973.930	30 m	SBR/EPDM	2 x 1/4"	2 x (6,3 x 13) mm	G 3/8" (f)	G 3/8" (f)	brass
974.912	12 m	SBR/EPDM	2 x 5/16"	2 x (8 x 15) mm	G 3/8" (f)	G 3/8" (f)	brass
974.915	15 m	SBR/EPDM	2 x 5/16"	2 x (8 x 15) mm	G 3/8" (f)	G 3/8" (f)	brass
974.920	20 m	SBR/EPDM	2 x 5/16"	2 x (8 x 15) mm	G 3/8" (f)	G 3/8" (f)	brass
974.925	25 m	SBR/EPDM	2 x 5/16"	2 x (8 x 15) mm	G 3/8" (f)	G 3/8" (f)	brass
974.930	30 m	SBR/EPDM	2 x 5/16"	2 x (8 x 15) mm	G 3/8" (f)	G 3/8" (f)	brass
975.915	15 m	SBR/EPDM	2 x 3/8"	2 x (9 x 16) mm	G 3/8" (f)	G 3/8" (f)	brass
975.920	20 m	SBR/EPDM	2 x 3/8"	2 x (9 x 16) mm	G 3/8" (f)	G 3/8" (f)	brass
975.927	27 m	SBR/EPDM	2 x 3/8"	2 x (9 x 16) mm	G 3/8" (f)	G 3/8" (f)	brass

 LPG-methane 20 bar - EN ISO 3821

P/N	Hose length	Hose characteristics	Hose ø	Dimensions - internal ø x external ø	Inlet	Outlet	Connections
974.1008	8 m	NBR/PVC	5/16"	8 x 15 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
974.1015	15 m	NBR/PVC	5/16"	8 x 15 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
974.1020	20 m	NBR/PVC	5/16"	8 x 15 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
974.1028	28 m	NBR/PVC	5/16"	8 x 15 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
975.1010	10 m	NBR/PVC	3/8"	10 x 17 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
975.1015	15 m	NBR/PVC	3/8"	10 x 17 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
975.1018	18 m	NBR/PVC	3/8"	10 x 17 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
975.1027	27 m	NBR/PVC	3/8"	10 x 17 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass
975.1030	30 m	NBR/PVC	3/8"	10 x 17 mm	G 3/8" (f) LH	G 3/8" (f) LH	brass

HOSE STOP

Adapters for hoses of different diameters (supplied with the hose stop).



Universal hose stop, supplied with all hose reels that come without hose, complete with adapters for the use of different diameter hoses.

P/N	Hose reel series		ø Reduction
KR7201	290 - 330	Painted - Stainless steel	12 - 14 - 16 mm
	380 - 390	Painted - Stainless steel	
KR8104	420 - 430 - 440	Painted - Stainless steel	14 - 17 - 19 mm
	450 - 520 - 530	Painted - Stainless steel	
KR8705	540 - 550 - 560	Painted - Stainless steel	14 - 17,5 - 21 28,5 - 30 - 34 mm
	570 - 580 - 590	Painted - Stainless steel	
KR8907	420 - 520 - 540	Twin hose	12 - 14 - 15 - 16 mm

FITTINGS TO CONNECT HOSES EXITING THE HOSE REEL

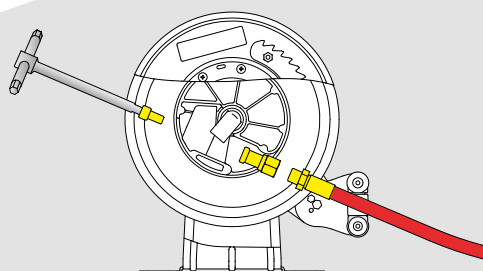


Nipple, carbon steel		
Article	Thread dimensions	Thread type
33114	G 1" (m) x G 1/2" (m)	cylindrical/cylindrical thread
33116	G 1" (m) x G 1" (m)	cylindrical/cylindrical thread
33117	G 3/4" (m) x G 3/4" (m)	cylindrical/cylindrical thread
33118	G 1/2" (m) x G 3/4" (m)	tapered/cylindrical thread
33119	G 1" (m) x G 3/4" (m)	cylindrical/cylindrical thread
33270	G 1.1/2" (m) x G 3/4" (m)	cylindrical/cylindrical thread
33271	G 1.1/2" (m) x G 1" (m)	cylindrical/cylindrical thread
33272	G 1.1/2" (m) x G 1.1/4" (m)	cylindrical/cylindrical thread
33273	G 1.1/2" (m) x G 1.1/4" (f)	cylindrical/cylindrical thread
33274	G 1" (m) x G 1/2" (m)	cylindrical/cylindrical thread
38071	G 1/2" (m) x G 1/2" (m)	tapered/cylindrical thread
38072	G 1/2" (m) x G 3/8" (m)	cylindrical/cylindrical thread
38073	G 3/8" (m) x G 3/8" (m)	tapered/cylindrical thread
38074	G 1/2" (m) x G 1/2" (m)	cylindrical/cylindrical thread
66891	G 1/4" (m) x G 1/4" (m)	tapered/cylindrical thread
66892	G 1/4" (m) x G 1/2" (m)	cylindrical/cylindrical thread
66893	G 1/2" (m) x G 1/4" (m)	cylindrical/cylindrical thread

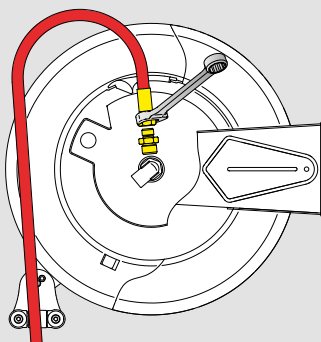
Nipple, AISI 304 stainless steel		
Article	Thread dimensions	Thread type
33128	G 1" (m) x G 3/4" (m)	cylindrical/cylindrical thread
33129	G 1" (m) x G 1" (m)	cylindrical/cylindrical thread
33130	G 3/4" (m) x G 3/4" (m)	cylindrical/cylindrical thread
38120	G 1/2" (m) x G 3/8" (m)	cylindrical/cylindrical thread
38121	G 1/2" (m) x G 1/2" (m)	cylindrical/cylindrical thread
38122	G 1/2" (m) x G 3/8" (m)	cylindrical/cylindrical thread
38124	G 1/2" (m) x G 1/2" (m)	tapered/cylindrical thread

Nipple, AISI 316 stainless steel		
Article	Thread dimensions	Thread type
33131	G 1" (m) x G 3/4" (m)	cylindrical/cylindrical thread
33132	G 1" (m) x G 1" (m)	cylindrical/cylindrical thread
33133	G 1" (m) x G 1/2" (m)	cylindrical/cylindrical thread
38123	G 1/2" (m) x G 3/8" (m)	cylindrical/cylindrical thread
38125	G 1/2" (m) x G 3/4" (m)	cylindrical/cylindrical thread

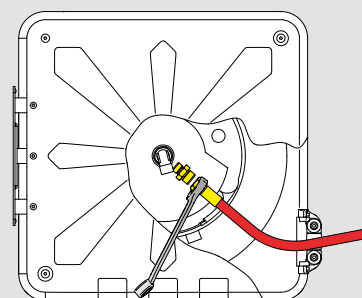
CONNECTING HOSES EXITING THE HOSE REEL



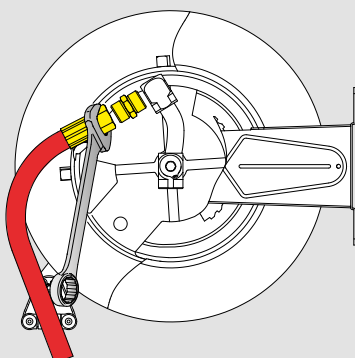
Series 290 - 330 - 380 - 390



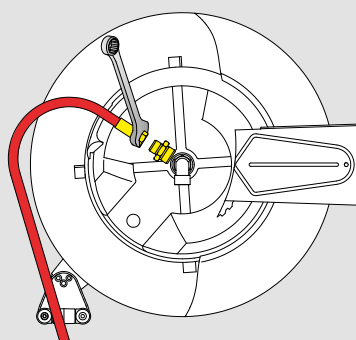
Series 420 - 430 - 520 - 530



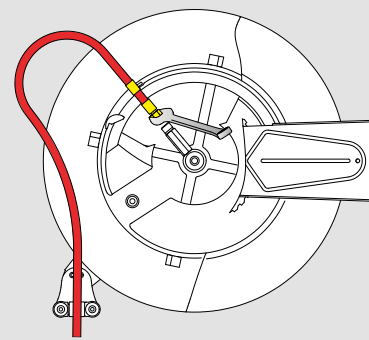
Series 440 - 450



Series 540-550-560
outlet 1"



Series 540-550-560
outlet 1/2"



Welding-gas series



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED ELECTRIC CABLE REELS



EXAMPLES OF **USE**

AUTOMOTIVE

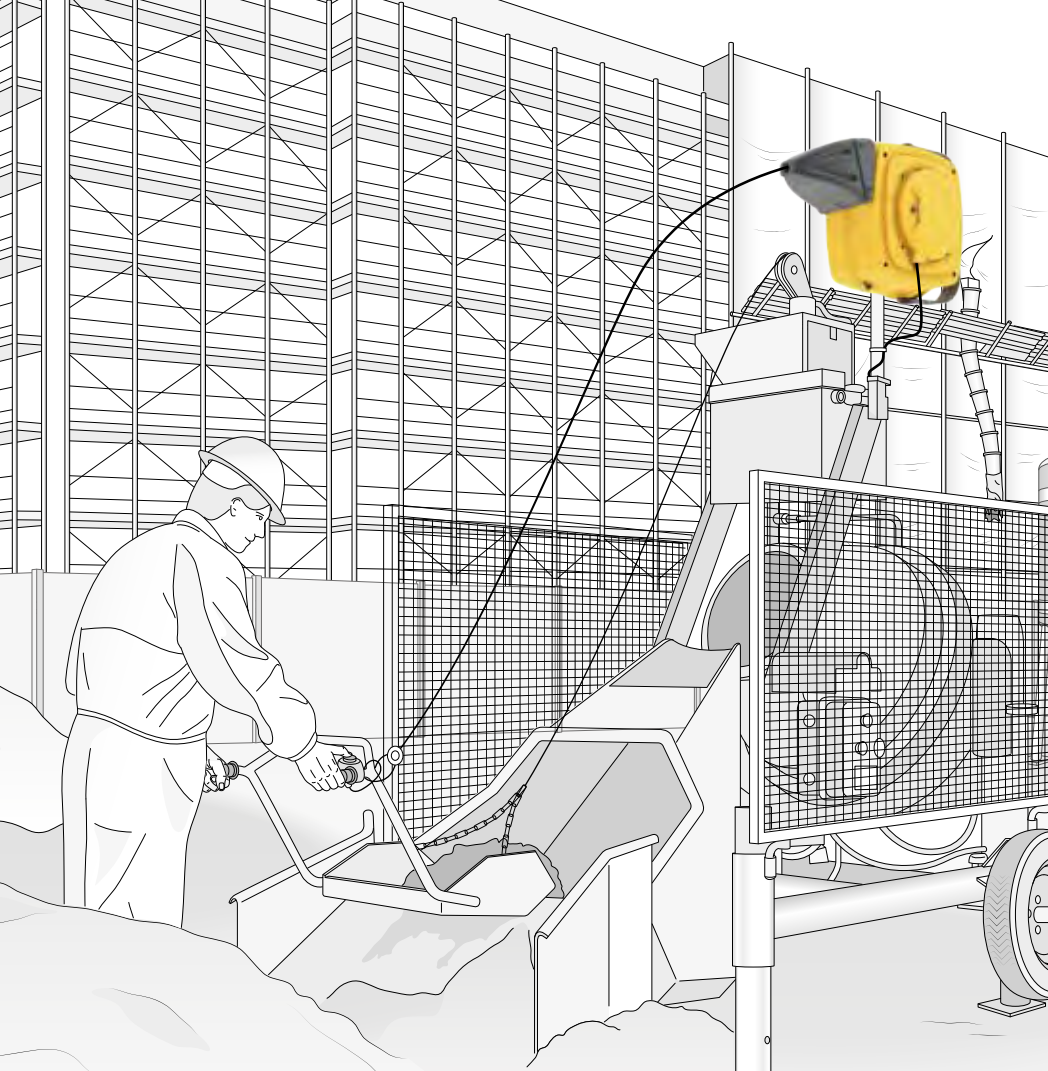
MINING
INDUSTRY

MANUFACTUR-
ING INDUSTRY

AERONAUTICS

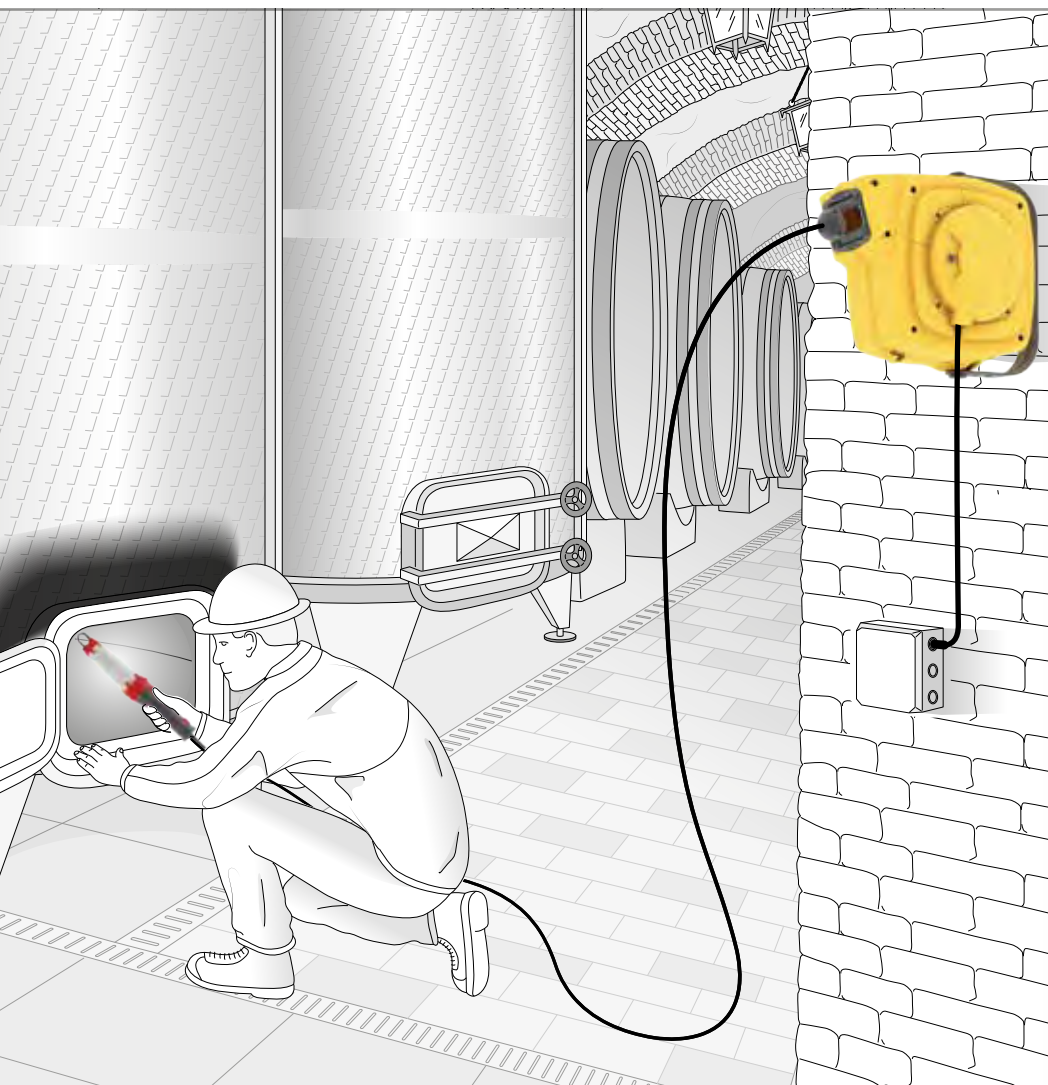
BUILDING
AND ROAD
CONSTRUCTION

...and much more



POWER PNEUMATIC EQUIPMENT ON CONSTRUCTION SITES

MAINTENANCE OF WINE CELLAR PRODUCTION EQUIPMENT



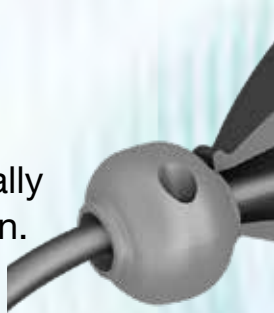


**ADVANCED FLUID
MANAGEMENT SOLUTIONS**

SPRING OPERATED **ELECTRIC CABLE REELS**

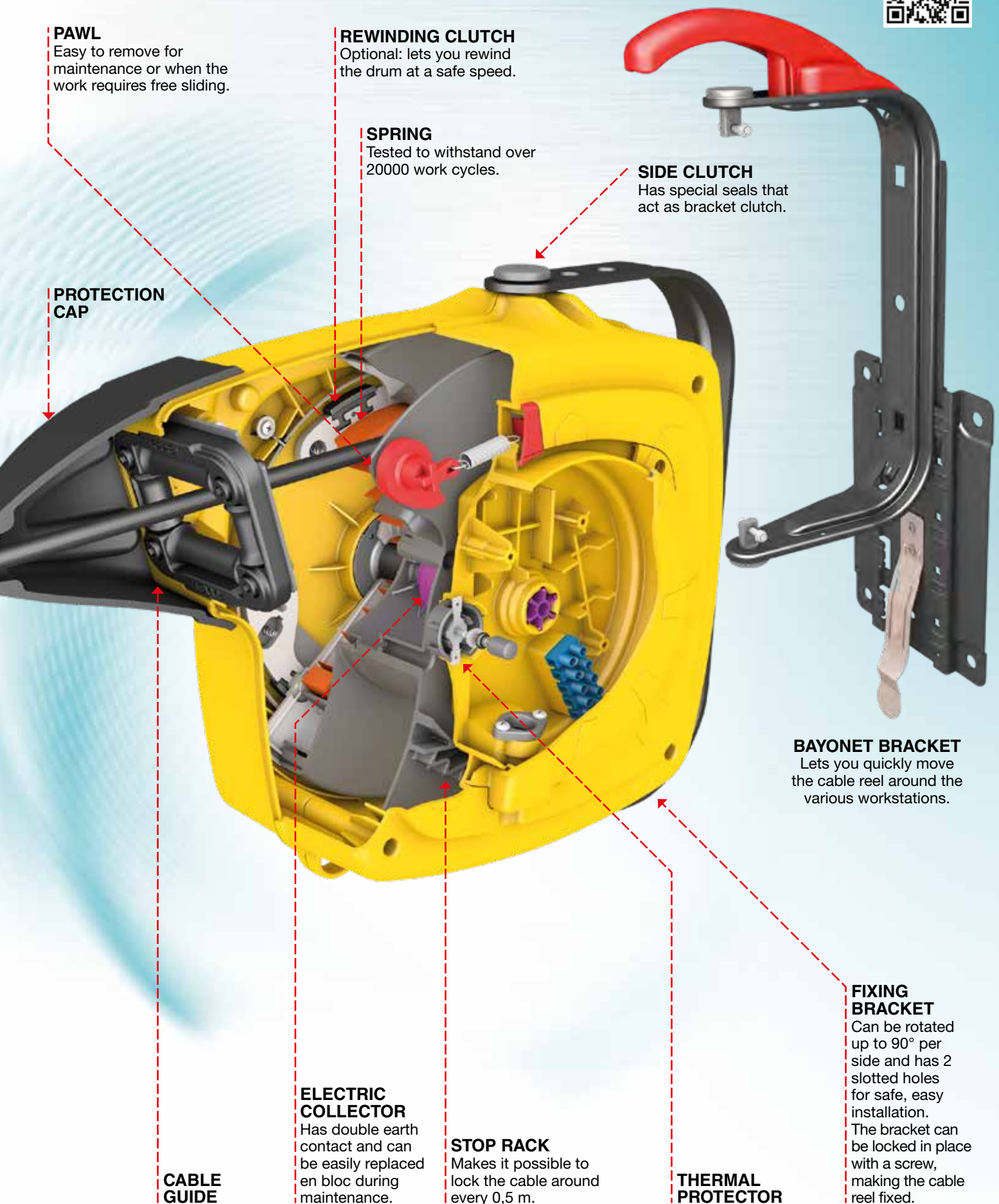
STRENGTH POINTS

- Special electric collector to drastically reduce overheating during operation.
- Thermal protector standard on all models.
- IP44 protection degree standard on all models (IP45 if equipped with protection cap).
- An optional protection degree is available, useful to protect against accidental, uncontrolled rewinding of the cable.
- Cable guide with rollers, horizontal and vertical, on 4 sides, designed to extend average cable life, comes standard on all models.
- Repeated spring stress-tests guarantees decades of life and efficiency.



TECHNICAL CHARACTERISTICS

Visit our
website



PAWL

Easy to remove for maintenance or when the work requires free sliding.

REWINDING CLUTCH

Optional: lets you rewind the drum at a safe speed.

SPRING

Tested to withstand over 20000 work cycles.

SIDE CLUTCH

Has special seals that act as bracket clutch.

PROTECTION CAP

BAYONET BRACKET

Lets you quickly move the cable reel around the various workstations.

FIXING BRACKET

Can be rotated up to 90° per side and has 2 slotted holes for safe, easy installation. The bracket can be locked in place with a screw, making the cable reel fixed.

ELECTRIC COLLECTOR

Has double earth contact and can be easily replaced en bloc during maintenance.

STOP RACK

Makes it possible to lock the cable around every 0,5 m.

THERMAL PROTECTOR

CABLE GUIDE



Series
280

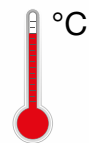
Type
**extension
cord**

Power supply
230 V SINGLE PHASE

WITH SPRING



**FIXED AND
SWIVELLING**



environment working
temperature -5 ÷ +40 °C



THERMAL PROTECTOR

standard

INPUT CABLE

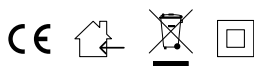
1,2 m

COVER COLOURS

Shockproof plastic



Number of conductors 2



EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

Number of conductors 3



EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

Electrical protection rating

IP44 without cap
IP45 with cap

Warning, the system IP rating
is reduced according that of the
connected components.

Overall dimensions without bracket (mm)	Overall dimensions with bracket (mm)	Packaging (mm) W x D x H	
			440 x 195 x 485
			No. 40 packages per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
2210	2	2 x 1 - H05 VV-F	17 + 1 m	0,9 kW	1,4 kW	6,8 kg
3210	2	2 x 1 - H07 RN-F	12 + 1 m	0,9 kW	1,4 kW	6,9 kg
2215	2	2 x 1,5 - H05 VV-F	15 + 1 m	1,1 kW	2,3 kW	7,0 kg
2225	2	2 x 2,5 - H05 VV-F	10 + 1 m	1,9 kW	3,5 kW	7,1 kg
2310	3	3G x 1 - H05 VV-F	14 + 1 m	0,9 kW	1,4 kW	6,8 kg
3310	3	3G x 1 - H07 RN-F	10 + 1 m	0,9 kW	1,4 kW	7,0 kg
2315	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	7,2 kg
3315	3	3G x 1,5 - H07 RN-F	9 + 1 m	1,2 kW	2,3 kW	7,2 kg
2325	3	3G x 2,5 - H05 VV-F	9 + 1 m	1,9 kW	3,5 kW	7,3 kg
3325	3	3G x 2,5 - H07 RN-F	7 + 1 m	1,9 kW	3,5 kW	7,4 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
2210F	2	2 x 1 - H05 VV-F	17 + 1 m	0,9 kW	1,4 kW	7,2 kg
3210F	2	2 x 1 - H07 RN-F	12 + 1 m	0,9 kW	1,4 kW	7,3 kg
2215F	2	2 x 1,5 - H05 VV-F	15 + 1 m	1,1 kW	2,3 kW	7,4 kg
2225F	2	2 x 2,5 - H05 VV-F	10 + 1 m	1,9 kW	3,5 kW	7,5 kg
2310F	3	3G x 1 - H05 VV-F	14 + 1 m	0,9 kW	1,4 kW	7,2 kg
3310F	3	3G x 1 - H07 RN-F	10 + 1 m	0,9 kW	1,4 kW	7,4 kg
2315F	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	7,6 kg
3315F	3	3G x 1,5 - H07 RN-F	9 + 1 m	1,2 kW	2,3 kW	7,6 kg
2325F	3	3G x 2,5 - H05 VV-F	9 + 1 m	1,9 kW	3,5 kW	7,7 kg
3325F	3	3G x 2,5 - H07 RN-F	7 + 1 m	1,9 kW	3,5 kW	7,8 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap



P/N with bayonet bracket



P/N with speed control and protection cap



P/N with speed control and bayonet bracket



P/N with protection cap and bayonet bracket



P/N complete



Series
280

Type
**extension
cord**

Power supply
400 V THREE PHASE

WITH SPRING



**FIXED AND
SWIVELLING**

°C
environment working
temperature -5 ÷ +40 °C



THERMAL PROTECTOR

standard

INPUT CABLE

1,2 m

COVER COLOURS

Shockproof plastic



Number of conductors 4 and 5	Electrical protection rating
 EN 61242 2014/35/EU 2014/30/EU 2011/65/EU	IP44 without cap IP45 with cap Warning, the system IP rating is reduced according that of the connected component.

Overall dimensions without bracket (mm)	Overall dimensions with bracket (mm)	Packaging (mm) W x D x H
		440 x 195 x 485 No. 40 packages per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
4410	4	4G x 1 - H05 VV-F	11 + 1 m	1,1 kW	2,3 kW	6,9 kg
4415	4	4G x 1,5 - H05 VV-F	10 + 1 m	1,4 kW	4 kW	7,2 kg
5415	4	4G x 1,5 - H07 RN-F	8 + 1 m	1,4 kW	4 kW	7,4 kg
4425	4	4G x 2,5 - H05 VV-F	8 + 1 m	2 kW	6 kW	7,6 kg
5425	4	4G x 2,5 - H07 RN-F	5 + 1 m	2 kW	6 kW	7,5 kg
4510	5	5G x 1 - H05 VV-F	11 + 1 m	1 kW	2,3 kW	7,2 kg
4517	5	5G x 1,5 - H05 VV-F	8 + 1 m	1,4 kW	4 kW	7,3 kg
5515	5	5G x 1,5 - H07 RN-F	7 + 1 m	1,4 kW	4 kW	7,7 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
4410F	4	4G x 1 - H05 VV-F	11 + 1 m	1,1 kW	2,3 kW	7,3 kg
4415F	4	4G x 1,5 - H05 VV-F	10 + 1 m	1,4 kW	4 kW	7,6 kg
5415F	4	4G x 1,5 - H07 RN-F	8 + 1 m	1,4 kW	4 kW	7,8 kg
4425F	4	4G x 2,5 - H05 VV-F	8 + 1 m	2 kW	6 kW	8,0 kg
5425F	4	4G x 2,5 - H07 RN-F	5 + 1 m	2 kW	6 kW	7,9 kg
4510F	5	5G x 1 - H05 VV-F	11 + 1 m	1 kW	2,3 kW	7,6 kg
4517F	5	5G x 1,5 - H05 VV-F	8 + 1 m	1,4 kW	4 kW	7,7 kg
5515F	5	5G x 1,5 - H07 RN-F	7 + 1 m	1,4 kW	4 kW	8,1 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap



P/N with bayonet bracket



P/N with speed control and protection cap



P/N with speed control and bayonet bracket



P/N with protection cap and bayonet bracket



P/N complete



Series
280

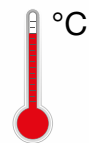
Type
extension cord with Schuko IP44 socket and plug

Power supply
**230 V
SINGLE PHASE**

WITH SPRING



**FIXED AND
SWIVELLING**



environment working
temperature -5 ÷ +40 °C



THERMAL PROTECTOR

standard

INPUT CABLE

1,2 m

COVER COLOURS

Shockproof plastic



CABLE REEL

Number of conductors 3

Electrical protection rating



EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

IP44 without cap
IP45 with cap

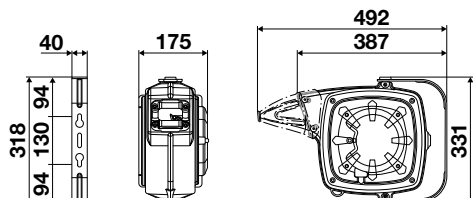
Warning, the system IP rating
is reduced according that of the
connected components.

SOCKETS AND PLUGS

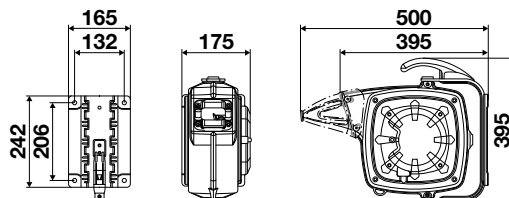
Protection rating

IP44 Schuko sockets
IP44 Schuko plugs

Overall dimensions without bracket (mm)



Overall dimensions with bracket (mm)



Packaging (mm) W x D x H



440 x 195 x 485



No. 40 packages
per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
2315S	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	6,9 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
2315SF	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	7,3 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap



P/N with bayonet bracket



P/N with speed control and protection cap



P/N with speed control and bayonet bracket



P/N with protection cap and bayonet bracket



P/N complete



Series
280

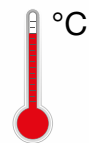
Type
**extension cord with triple
Schuko IP44 socket and plug**

Power supply
**230 V
SINGLE PHASE**

WITH SPRING



**FIXED AND
SWIVELLING**



environment working
temperature -5 ÷ +40 °C



THERMAL PROTECTOR

standard

INPUT CABLE

1,2 m

COVER COLOURS

Shockproof plastic



CABLE REEL

Number of conductors 3

Electrical protection rating



EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

IP44 without cap
IP45 with cap

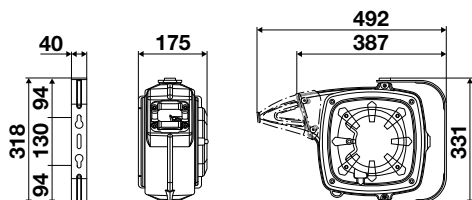
Warning, the system IP rating
is reduced according that of the
connected components.

SOCKETS AND PLUGS

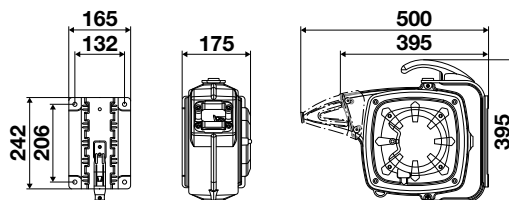
Protection rating

IP44 Schuko sockets
IP44 Schuko plugs

Overall dimensions without bracket (mm)



Overall dimensions with bracket (mm)



Packaging (mm) W x D x H



440 x 195 x 485



No. 40 packages
per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
2315T	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	7,1 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Max. operating power (20 °C)		Weight
				Wound up	Unwound *	
2315TF	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	7,5 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

* Values are with cable completely unwound.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap



P/N with bayonet bracket



P/N with speed control and protection cap



P/N with speed control and bayonet bracket



P/N with protection cap and bayonet bracket



P/N complete



Series
280

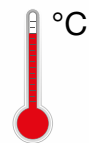
Type
**without transformer
fluorescent lamp**

Power supply
**230 V AC - 50 Hz
12 V DC - 24 V DC**

WITH SPRING



**FIXED AND
SWIVELLING**



environment working
temperature -5 ÷ +40 °C



230 V AC - 50 Hz
12 V - 24 V DC

230 V AC - 50 Hz
12 V - 24 V DC

LED = 3,6 W = 11 W = 50 W
600 LUMEN
6400-6500 °K (12 V e 230 V)
2700 °K (24 V)

THERMAL PROTECTOR

standard

INPUT CABLE

1,2 m

COVER COLOURS

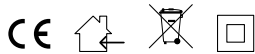
Shockproof plastic



CABLE REEL

Number of conductors 2

Electrical protection rating



EN 61242 EN 60598

2014/35/EU 2014/30/EU
2011/65/EU UE 874/2012

IP44 without cap
IP45 with cap

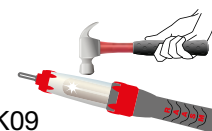
Warning, the system IP rating
is reduced according that of the
connected components.

LAMP

Protection rating

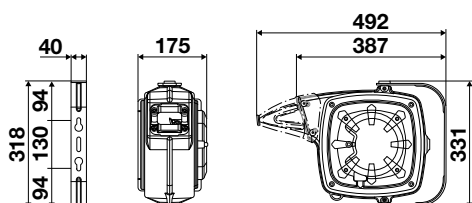


IP65

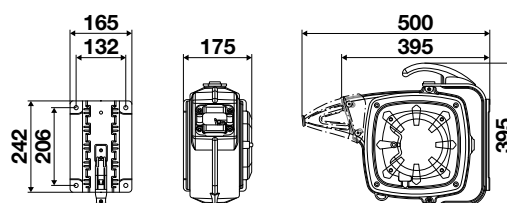


IK09

Overall dimensions without bracket (mm)



Overall dimensions with bracket (mm)



Packaging (mm) W x D x H



440 x 195 x 485



No. 40 packages
per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Input voltage	Lamp	Weight
2210F23	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC - 50 Hz	F230	8,0 kg
2210F12	2	2 x 1 - H05 RN-F	14 + 1 m	12 V DC	F12	8,0 kg
2210F24	2	2 x 1 - H05 RN-F	14 + 1 m	24 V DC	F24	8,0 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Input voltage	Lamp	Weight
2210F23F	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC - 50 Hz	F230	8,4 kg
2210F12F	2	2 x 1 - H05 RN-F	14 + 1 m	12 V DC	F12	8,4 kg
2210F24F	2	2 x 1 - H05 RN-F	14 + 1 m	24 V DC	F24	8,4 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap

P/N with bayonet bracket

P/N with speed control and protection cap

P/N with speed control and bayonet bracket

P/N with protection cap and bayonet bracket

P/N complete



Series
280

Type
**without transformer
LED lamp**

Power supply
12 ÷ 24 V AC/DC

WITH SPRING



**FIXED AND
SWIVELLING**

°C
environment working
temperature -5 ÷ +40 °C



12 ÷ 24 V AC/DC

12 ÷ 24 V AC/DC

LED
3,6 W
360 LUMEN
5000 °K
11 W
50 W

THERMAL PROTECTOR
standard

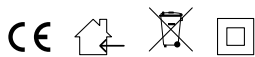
INPUT CABLE
1,2 m

COVER COLOURS
Shockproof plastic



CABLE REEL

Number of conductors 2



EN 61242 EN 60598
2014/35/EU 2014/30/EU
2011/65/EU EU 874/2012

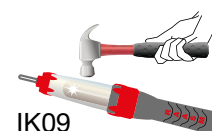
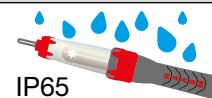
Electrical protection rating

IP44 without cap
IP45 with cap

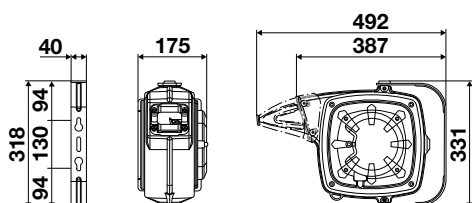
Warning, the system IP rating
is reduced according that of the
connected components.

LAMP

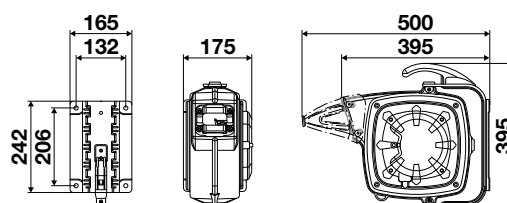
Protection rating



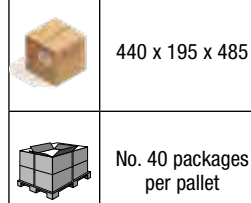
Overall dimensions without bracket (mm)



Overall dimensions with bracket (mm)



Packaging (mm) W x D x H





P/N standard	Number of conductors	Type of cable	Cable length	Input voltage	Lamp	Weight
2210L	3	3G x 1,5 - H05 VV-F	14 + 1 m	12 ÷ 24 V AC/DC	L1224	7,1 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Input voltage	Lamp	Weight
2210LF	3	3G x 1,5 - H05 VV-F	14 + 1 m	12 ÷ 24 V AC/DC	L1224	7,5 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap

P/N with bayonet bracket

P/N with speed control and protection cap

P/N with speed control and bayonet bracket

P/N with protection cap and bayonet bracket

P/N complete



Series
290

Type
**with transformer
with LED lamp**

Power supply
**230 V
SINGLE PHASE**

WITH SPRING



**FIXED AND
SWIVELLING**

°C
environment working
temperature -5 ÷ +40 °C



12 ÷ 24 V AC/DC

230 V AC - 50 Hz



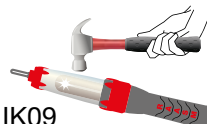
LED
3,6 W
360 LUMEN
5000 °K
11 W
50 W

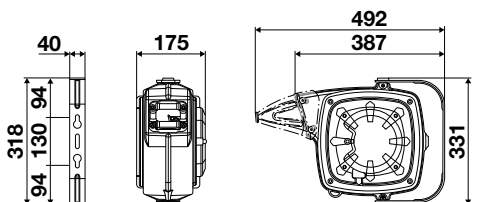
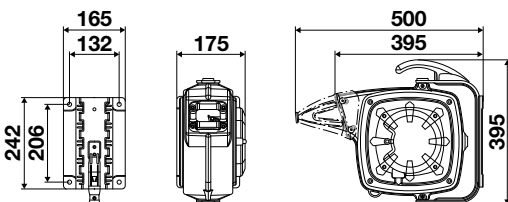
THERMAL PROTECTOR
standard

INPUT CABLE
1,2 m

COVER COLOURS
Shockproof plastic



CABLE REEL		LAMP
Number of conductors 2	Electrical protection rating	Protection rating
     EN 61242 EN 60598 EN 62471 2014/35/EU 2014/30/EU 2011/65/EU UE.874/2012	IP44 without cap IP45 with cap Warning, the system IP rating is reduced according that of the connected components.	 IP65  IK09

Overall dimensions without bracket (mm)	Overall dimensions with bracket (mm)	Packaging (mm) W x D x H
		 440 x 195 x 485  No. 40 packages per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Input voltage	Lamp	Weight
2210TL	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC - 50 Hz	L1224	9,0 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Input voltage	Lamp	Weight
2210TLF	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC - 50 Hz	L1224	9,4 kg

⚠ The codes above are supplied without accessories: protection cap - bayonet bracket.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap

P/N with bayonet bracket

P/N with speed control and protection cap

P/N with speed control and bayonet bracket

P/N with protection cap and bayonet bracket

P/N complete



Series
F12 - F24
F230 - L1224

Type
Fluorescent
and LED lamp

Power supply
12 ÷ 24 V AC/DC
230 V AC - 50 Hz

WITH SPRING



MAGNETIC SUPPORT
REPLACEABLE, TRANSPARENT
PROTECTION COVER
ANTI-SKIDDING GRIP
PROTECTION FUSE - 2 A
ADJUSTABLE HOOK
PROTECTED SWITCH

Series F12 - F24	Series F230	Series L1224
EN 60598-1 EN 60598-2-8	EN 60598-1 EN 60598-2-8	EN 60598-1 EN 60598-2-8 CEI.EN.62471
2014/35/EU 2014/30/EU 2011/65/EU EU 874/2012	2014/35/EU 2014/30/EU 2011/65/EU EU 874/2012	2014/35/EU 2014/30/EU 2011/65/EU EU 874/2012

Protection rating	Overall dimensions (mm)	Packaging (mm) W x D x H
IP 65 IK 09		525 x 135 x 80
		No. 40 packages per pallet

(W: width - D: depth - H: height)

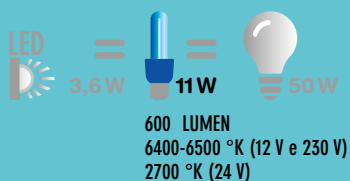


PORTABLE FLUORESCENT LAMP series F12 - F24 - F230

Lamp code	Power supply voltage	Lamp connection	Max. power	Lamp protection rating	Bulb supplied	Weight
F12	12 V DC	E27	11 W	IP65	P/N 728002	0,6 kg
F24	24 V DC	E27	11 W	IP65	P/N 728003	0,6 kg
F230	230 V AC - 50 Hz	E27	11 W	IP65	P/N 728001	0,6 kg

⚠ The codes above refer to the lamp supplied without cable.

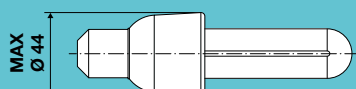
⚠ All models shown can be supplied with energy efficiency class B, A and A + bulbs as per EU regulation 874/2012. Fluorescent bulbs can be replaced as long as the same energy efficiency class is used.



P/N 728002 Bulb 11 W 12 V DC
P/N 728003 Bulb 11 W 24 V DC
P/N 728001 Bulb 11 W 230 V AC - 50 Hz



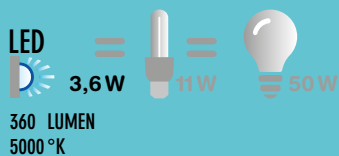
Power the cable reel only with the correct voltage for the lamp. Use with any other voltage will irreparably damage the lamp, and will void any warranty.



PORTABLE LED LAMP series L1224

Lamp code	Power supply voltage	No. of LEDs	LED power module	Lamp protection rating	LED module	Weight
L1224	12 ÷ 24 V AC/DC	12	3,6 W	IP65	P/N 728005	0,6 kg

⚠ All models shown can be supplied with energy efficiency class B, A and A + bulbs as per EU regulation 874/2012.



P/N 728005
 LED module, consisting of 12 LEDs, 0.3 W each. The LED modules cannot be replaced with others available on the market.



Power the cable reel only with the correct voltage for the lamp. Use with any other voltage will irreparably damage the lamp, and will void any warranty.





Series
280

Type
EARTHING

WITH SPRING



**FIXED AND
SWIVELLING**

°C
environment working
temperature -5 ÷ +40 °C



INPUT CABLE

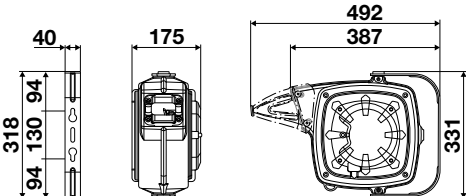
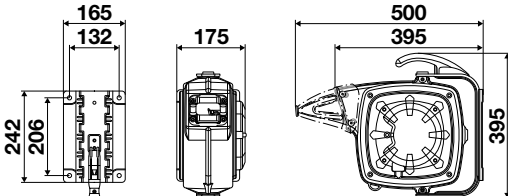
1,2 m

COVER COLOURS

Shockproof plastic



CABLE REEL	
Number of conductors 1	Electrical protection rating
CE EN 61242 2014/35/EU 2014/30/EU 2011/65/EU	IP44 without cap IP45 with cap Warning, the system IP rating is reduced according that of the connected components.

Overall dimensions without bracket (mm)	Overall dimensions with bracket (mm)	Packaging (mm) W x D x H	
		 440 x 195 x 485	 No. 40 packages per pallet

(W: width - D: depth - H: height)



P/N standard	Number of conductors	Type of cable	Cable length	Earthing clamp		Weight
				P/N	Ampere	
1065	1	1 x 6 - H07 V-K	15 + 1 m	-	-	6,7 kg
1161	1	1 x 16 - H07 V-K	10 + 1 m	-	-	5,0 kg
1065P	1	1 x 6 - H07 V-K	15 + 1 m	735112	50	6,8 kg
1161P	1	1 x 16 - H07 V-K	10 + 1 m	735111	100	7,5 kg
1064P	1	1 x 6 - PUR	14,5 m	explosion-proof	10	9,0 kg

△ The codes above are supplied without accessories: protection cap - bayonet bracket.

SPEED CONTROL

The versions listed below come with clutch so that cable rewinding can be performed at a controlled speed. They are marked by the **SPEED CONTROL** dataplate.



P/N with speed control	Number of conductors	Type of cable	Cable length	Earthing clamp		Weight
				P/N	Ampere	
1065F	1	1 x 6 - H07 V-K	15 + 1 m	-	-	7,1 kg
1161F	1	1 x 16 - H07 V-K	10 + 1 m	-	-	5,4 kg
1065PF	1	1 x 6 - H07 V-K	15 + 1 m	735112	50	7,2 kg
1161PF	1	1 x 16 - H07 V-K	10 + 1 m	735111	100	7,9 kg
1064PF	1	1 x 6 - PUR	14,5 m	explosion-proof	10	9,4 kg

△ The codes above are supplied without accessories: protection cap - bayonet bracket.

ACCESSORIES FOR ELECTRIC CABLE REELS

P/N 728115

Protection cap, in oil resistant rubber, useful to protect against accidental entry of water or foreign objects into the cable reel.



P/N 89003

Bayonet bracket, lets you easily move the cable reel within the various workstations.



EXAMPLES OF ELECTRIC CABLE REELS



P/N with protection cap



P/N with bayonet bracket



P/N with speed control and protection cap



P/N with speed control and bayonet bracket



P/N with protection cap and bayonet bracket



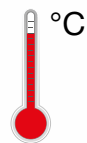
P/N complete



Series
350

Type
EARTHING

WITH SPRING



environment working
temperature -5 ÷ +40 °C



In accordance with directive



Overall dimensions (mm)			Packaging (mm) W x D x H	
				390 x 188 x 403
				No. 36 packages per pallet

COVER COLOURS

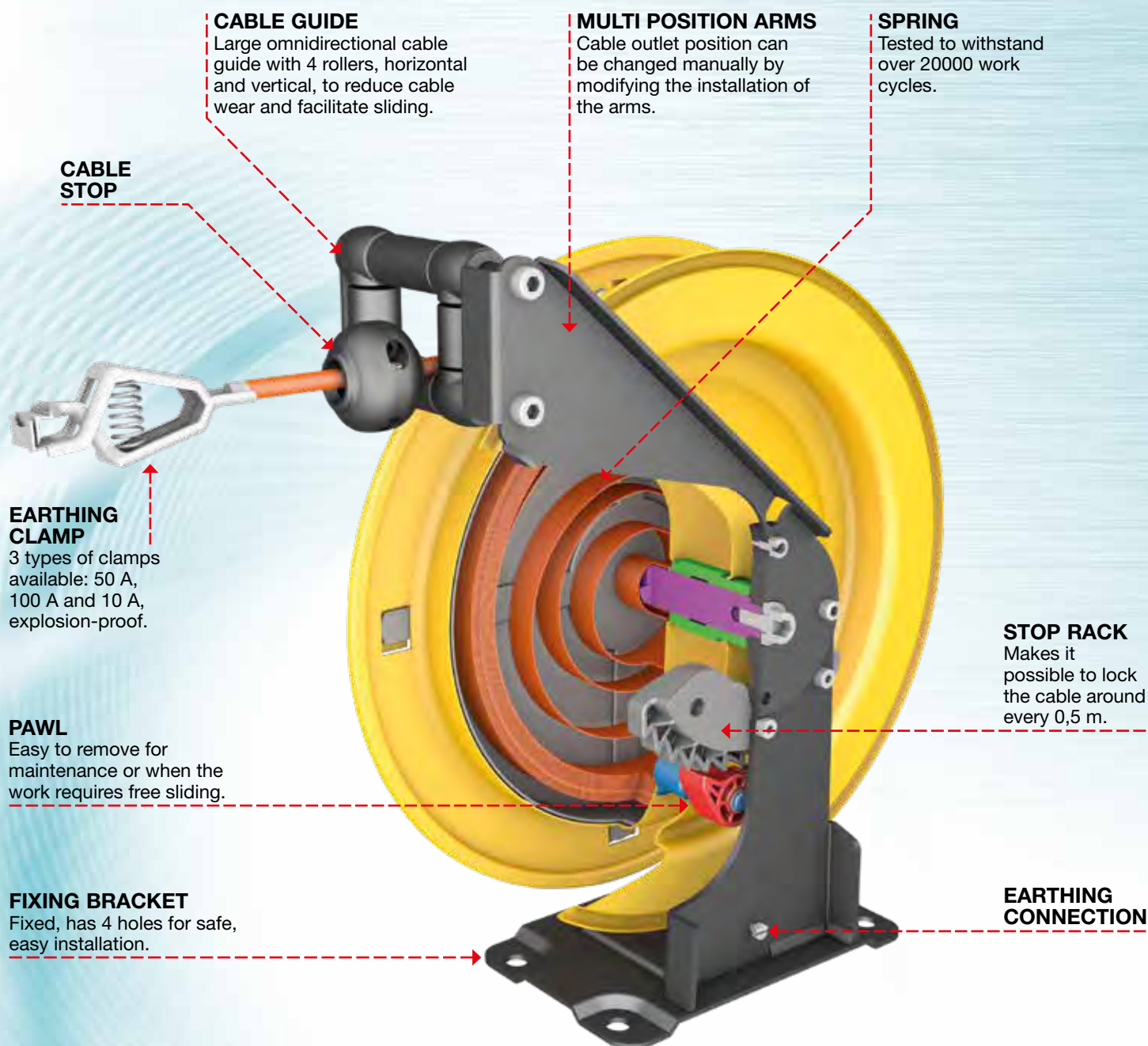
Shockproof plastic



P/N standard	Type of cable	Cable conductor material	Cable conductor insulation	Cable length (m)	Earthing clamp		Weight
					P/N	Ampere	
735000	without cable	cable capacity max. 30 m - section 16 mm²			-	-	12,3 kg
735131.60141	1 x 6	copper	PUR	14,5 m	explosion-proof	10	14,1 kg
735131.60261	1 x 6	copper	PUR	26 m	explosion-proof	10	22,3 kg
735131.60152	1 x 6	copper	PUR	15 m	735112	50	13,6 kg
735131.60252	1 x 6	copper	PUR	25 m	735112	50	14,7 kg
735141.60152	1 x 7	steel	PVC	15 m	735112	50	13,2 kg
735141.60252	1 x 7	steel	PVC	25 m	735112	50	14,0 kg



TECHNICAL CHARACTERISTICS



ACCESSORIES FOR EARTHING CABLE REELS

P/N 735111
Earthing clamp 100 A.



P/N 735112
Earthing clamp 50 A.



EXPLOSION-PROOF earthing clamp 10 A with cable measuring from 14,5 m or from 26 m. For information, contact our offices.



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9450.502	61	976.102	140	995.512	142	996.302	140	998.106	140
9450.505	61	976.108	141	995.518	142	996.304	140	998.115	141
9450.506	61	976.110	141	995.520	142	996.305	140	998.120	141
971.010	141	976.111	141	995.525	142	996.306	140	998.130	141
971.011	141	976.112	141	995.530	142	996.310	143	998.215	141
971.015	141	976.114	141	995.540	142	996.311	142	998.220	141
971.102	140	976.115	141	995.550	142	996.315	143	998.230	141
971.111	141	987.205	140	995.606	140	996.316	142	998.305	140
971.115	141	987.206	140	995.618	142	996.320	143	998.315	141
971.118	141	987.208	144	995.625	142	996.321	142	998.330	141
971.120	141	987.210	144	995.630	142	996.325	143	998.3301	140
972.102	140	987.215	144	995.701	140	996.330	143	998.3302	140
972.113	141	993.201	140	995.702	140	996.406	140	998.3306	140
972.115	141	993.202	140	995.706	140	996.415	142	998.3310	142
972.120	141	993.215	141	995.710	143	996.425	142	998.3315	142
973.913	144	993.504	140	995.715	143	997.115	141	998.3320	142
973.917	144	993.511	143	995.720	143	997.120	141	998.3330	142
973.920	144	993.512	143	995.725	143	997.130	141	998.406	140
973.925	144	993.516	143	995.730	143	997.140	141	998.806	140
973.930	144	993.518	143	995.806	140	997.215	141	998.808	143
974.1008	144	994.512	142	995.815	142	997.220	141	998.815	143
974.1015	144	994.517	142	995.820	142	997.230	141	998.820	143
974.1020	144	994.612	142	995.825	142	997.240	141	998.830	143
974.1028	144	994.717	142	995.906	140	997.320	142	999.3310	143
974.912	144	995.106	140	995.915	142	997.3305	140	999.810	143
974.915	144	995.112	141	995.925	142	997.3306	140	F12	165
974.920	144	995.206	140	996.106	140	997.3308	143	F230	165
974.925	144	995.210	141	996.110	141	997.3312	143	F24	165
974.930	144	995.211	141	996.116	141	997.3315	143	L1224	165
975.1002	140	995.212	141	996.120	141	997.3320	143		

GENERAL SALES CONDITIONS

FOR FOREIGN MARKETS



The following general sales conditions regulate the sale of goods and services by the company RAASM S.p.A. for customers residing outside the territory of the Italian State.

P/N 1 GOODS DELIVERY TERMS

The goods are delivered ex works RAASM S.p.A. The subsequent transport/shipment must occur by, in the name and at the expense of the purchasing customer, even by means of a carrier appointed and designated by the same. All risks arising from loading, subsequent custody and transport are borne entirely by the purchasing customer.

P/N 2 MINIMUM ORDERS

Each order cannot be for less than € 1,500.00, net of fees, taxes, customs duties, discounts and rebates and any other charges not included in the price of the goods. If, at the option of RAASM S.p.A., orders for lower amounts are accepted, an extra charge of € 155,00 shall be applied for order management administrative expenses.

P/N 3 ACCESSORIES

All the accessories given in the price list (plugs, oil bar taps, oil guns, grease guns, probes, protection caps, clutches, swivelling supports, etc.) are supplied exclusively for fitting to or combining with the items RAASM S.p.A. produces

P/N 4 COMPLAINTS

Any defects immediately noticed after a brief inspection of the goods (damage, shortages or different product from that ordered) must be notified in writing to our company within 8 (eight) days of receipt the goods. Any defects in the product noticeable only during its use must be notified in writing to RAASM S.p.A. within 8 (eight) days of being detected.

Any returns of goods must be authorized in advance by RAASM S.p.A. and freight charges are at the customer's expenses.

P/N 5 DELIVERY TIMES/TERMS

Delivery times and dates are only approximate and are subject to change. Any delays in delivery do not entitle the customer to cancel the order or claim compensation for damages caused by delay of delivery. Delivery times for urgent orders must be agreed directly with RAASM S.p.A. RAASM S.p.A. has the right not to carry out the order and/or totally or partially carry it out, without this giving rise to reimbursement or claims for compensation for damage.

P/N 6 PACKS AND PACKAGING

Packaging costs are included in the price, except for special packing, which shall be charged at cost.

P/N 7 PRICES

The current Price list cancels and replaces the previous price list. In the event of changes to our price list and/or individual items, the goods shall be forwarded at the price in force on the day of the order confirmation. The price list and/or the prices of individual items can be changed even without notice, according to the changes in market conditions or technical innovations/modifications made to the product. The prices are understood to be ex works RAASM S.p.A.

P/N 8 PAYMENTS

Payments must be made exclusively to RAASM S.p.A. at the agreed conditions. Under no circumstances will deductions or roundings be accepted. In case of late payment with respect to the agreed conditions, RAASM S.p.A. reserves the right to charge interest at the current rate, effective from the day after that agreed for payment, plus any additional expenses. Discounts conditional on the payment term and already credited shall be recharged.

P/N 9 WARRANTY

RAASM S.p.A. provides each product with the communication of particular instructions for the installation, use and maintenance requirements and the need to carry out possible checks on the product. All the technical information and data mentioned in the catalogue and in the price-list in force are not binding and can be changed without prior notice for the purpose of improving the quality of the products. All products manufactured by RAASM S.p.A. are guaranteed for a period of 5 (five) years from the date of delivery to the first user. The user must keep and show the sales invoice - or an equivalent document - together with the item's serial number in order to make a claim under the RAASM S.p.A. guarantee. The 5 (five) year guarantee does not apply to components which are subject to normal wear and tear (such as gaskets, diaphragms, O-rings, hoses, etc.), electronic components and items that are sold but not manufactured by RAASM S.p.A. (marked with a red asterisk in the current product catalogue) which are guaranteed for 1 (one) year from the date of delivery to the first user.

1 (one) year warranty is valid also for the following products:

- digital litre counters and FCS system;
- cable reels;
- electric, pneumatic or hydraulic motor supplied with our industrial hose reels S. 600 and 700.

Incorrect installation, use or maintenance of the product shall void the warranty. Upon written notice, the articles must be returned free to our Factory for checking and acceptance. In any case, the guarantee expires in the 10th year from the date of manufacture (indicated by the serial number), if the stated expiry takes place before the expiration terms indicated above (1 or 5 years from delivery to the first user).

The manufacturer declines any responsibility for possible inaccuracies contained in this catalogue, due to printing or transcription errors. The manufacturer reserves the right to make any changes or improvements of a functional, technical or aesthetic nature without prior notice.

RAASM

P/N 10 RESPONSIBILITY

RAASM S.p.A. is exempt from any responsibility and liability for accidents that may occur to persons and property, as a result of or during the use of the equipment, due to or depending on the same whenever the products have been damaged during transport, tampered with or modified, or improperly used, or stored, installed, protected and preserved without complying with the instructions of RAASM S.p.A. as given in the installation, use and maintenance instruction manuals for each product. RAASM S.p.A. is liable for the value for the supplied product and cannot be held responsible in any way for other possible costs or additional costs that the customer may bear.

P/N 11 CONFIDENTIALITY

Information not in the public domain that is exchanged in the execution of the contract is subject to the obligation of confidentiality, secrecy and security; said information is covered as an industrial secret and is of a confidential and reserved nature and may not be disseminated to third parties; its use is permitted exclusively and strictly to execute the supply contract.

P/N 12 INTELLECTUAL PROPERTY RIGHTS

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P/N 13 INFORMATION ON THE PROCESSING OF DATA PURSUANT TO ITALIAN LEGISLATIVE DECREE 196/2003

In accordance with article 13 of Italian Legislative Decree 196/2003 - Personal Data Protection Code - you are hereby advised that the processing of the personal data, provided with the purchase of goods or services and/or the supply of goods or services is solely for the purposes of carrying out the contract-based obligations and to comply with the specific requests from customers/ suppliers, as well as adhering to legislative obligations, in particular accounting and tax obligations or to respect orders issued by public authorities or to exercise a right in court. The data shall also be used for commercial statistics for corporate use and to obtain commercial information on our products and services if expressly authorised by the applicant. The processing of data shall be done using hard-copy and computerised procedures, in the manner and within the limits necessary to achieve the aforementioned purposes. Data may be communicated and processed by other companies in the Group for the same specified purposes, and may be made known to employees of our company, consultants and other suppliers, always and exclusively within the limits of the aforementioned purposes. The provision of data is mandatory for the correct execution of the contract and pre-contract based obligations, and failure to do so could result in it being impossible to fully comply with contractual obligations, and make it impossible to provide updates on the new products and services offered by our company. Data shall be processed for the duration of the contract relationship in place and subsequently to fulfil any legal formalities.

P/N 14 RIGHTS OF DATA SUBJECTS

The information is aimed at defining the limits and methods for the processing of data, based on which individual customers and/or suppliers may freely authorise the collection and subsequent use of data. Data subjects are entitled to the rights pursuant to article 7 of the aforementioned Code and in particular, the right to access their personal data, ask for the amendment, update and cancellation thereof, if incomplete, incorrect or collected in violation of the law, and may object to the processing for legitimate reasons, addressing requests in this regard to RAASM S.p.A. Pursuant to the same article the data subject also has the right to request the complete and updated list of the Data Supervisors, and to ask for the cancellation, transformation into anonymous form or blocking of data processed in violation of the law, and to oppose in any case, for legitimate reasons, the processing thereof.

To exercise these rights, and in the case of problems or any requests for clarification regarding what has been explained herein, kindly address these to RAASM S.p.A. - Via Marangoni, 33, Cassola (VI) - Italy or to the following email address: info@raasm.com.

P/N 15 DATA CONTROLLER

The Data Controller is RAASM S.p.A. with registered office at Via Marangoni 33, Cassola (VI) – Italy, and this is where the data processing shall take place.

P/N 16 COMPETENT LAW COURT

Any disputes shall be settled by the Law Court of Vicenza, Italy.

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■ Technology

The research and development of cutting-edge solutions, carried out entirely **in Italy**, is the starting point for the entire production cycle.



■ Quality

Offering high-quality products is one of our main objectives. Specific and rigorous tests accompany every single stage of the production process.



■ Efficiency

RAASM offers a complete range of fluid management solutions suitable for many different sectors of use. Our success is founded on the ability to identify and satisfy the specific needs of our customers.



CABLE REELS AND HOSE REELS

N° 223-AE

Manage your energy orderly



**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



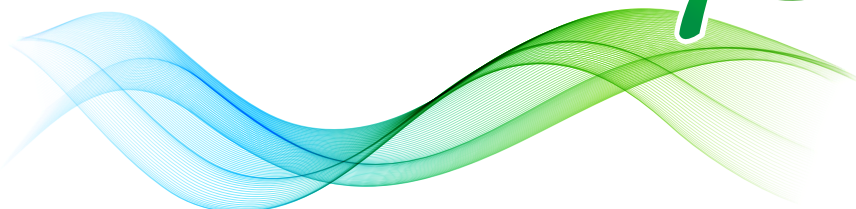


HELP THE NATURE

Packaging contains, depending on the articles, one or more of the following materials; they must be recycled in accordance with current regulations in the country of use.

cardboard • polyethylene sack • polystyrene paper • wood • nails • plastic strap cellophane • clips • gummed paper

RAASM contributes with an eco-contribution at the recycling and the disposal of the electrical and electronic equipments at the end of life. Producer's registry AEE N° IT14120000008678





**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



DESIGN IS AN

Art

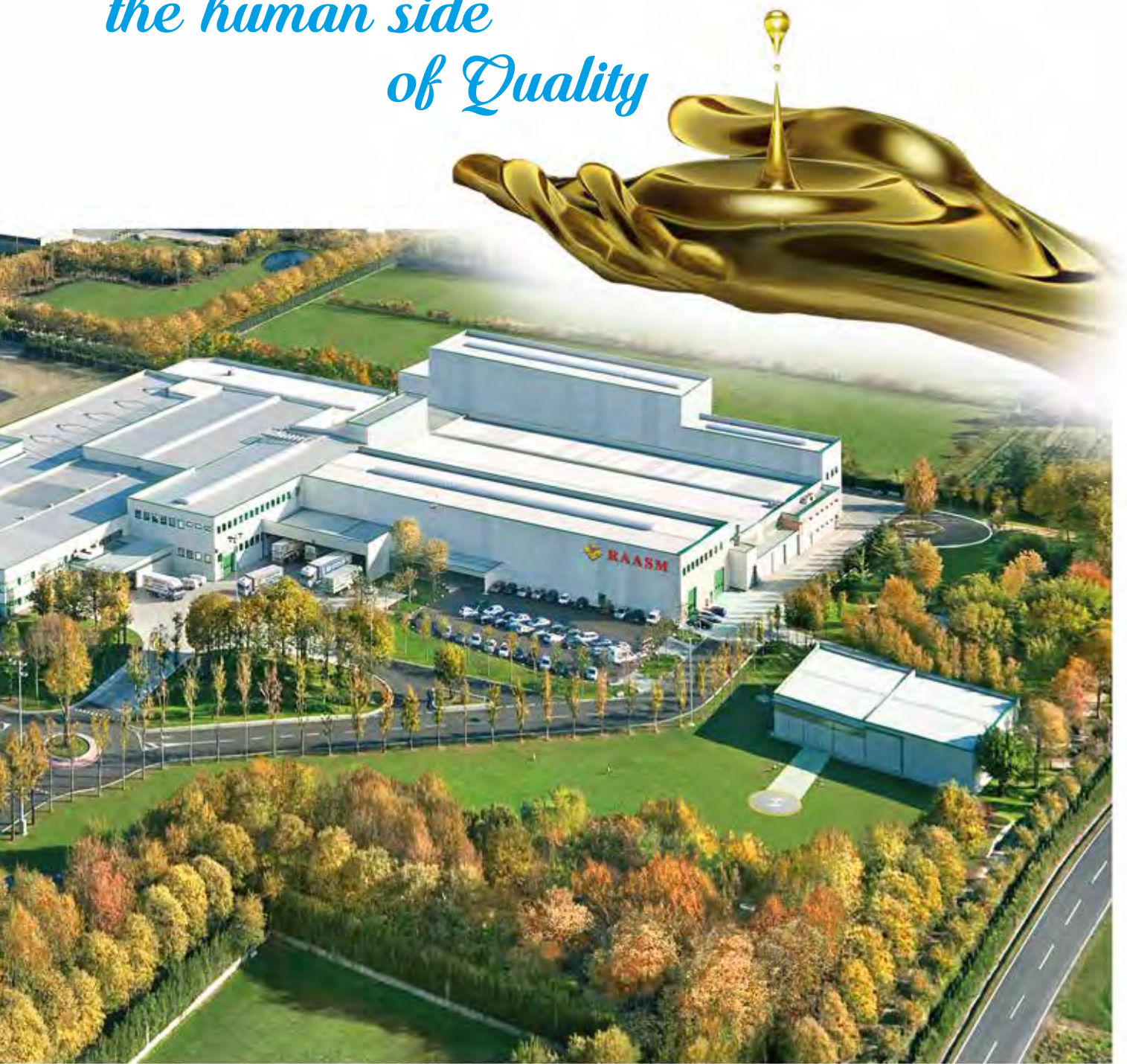




founded in 1975



*the human side
of Quality*



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CABLE REELS PRESENTATION

All **RAASM** cable reels rewind automatically and are equipped with a spring tested for tens of thousands of cycles which ensure a constant force. They are sturdy, compact, easy to position and removable. They allow managing with extreme ease and safety electrical cables of various sizes and cross sections ensuring a tidy and safe work environment.

All models are equipped with:

- rewinding spring;
- cable stop rack work;
- protective shell in shockproof material;
- cable guide with rollers;
- fixing bracket;
- system for the manual reset of electrical power (to prevent damage from eventual overloads) with rewinded cable;
- inlet cable for connection to the mains.

ACCESSORIES

Each model of **RAASM** cable reels is customizable with the following accessories:

- fixing bracket with "bayonet" coupler;
- protection cap;
- rewinding clutch.

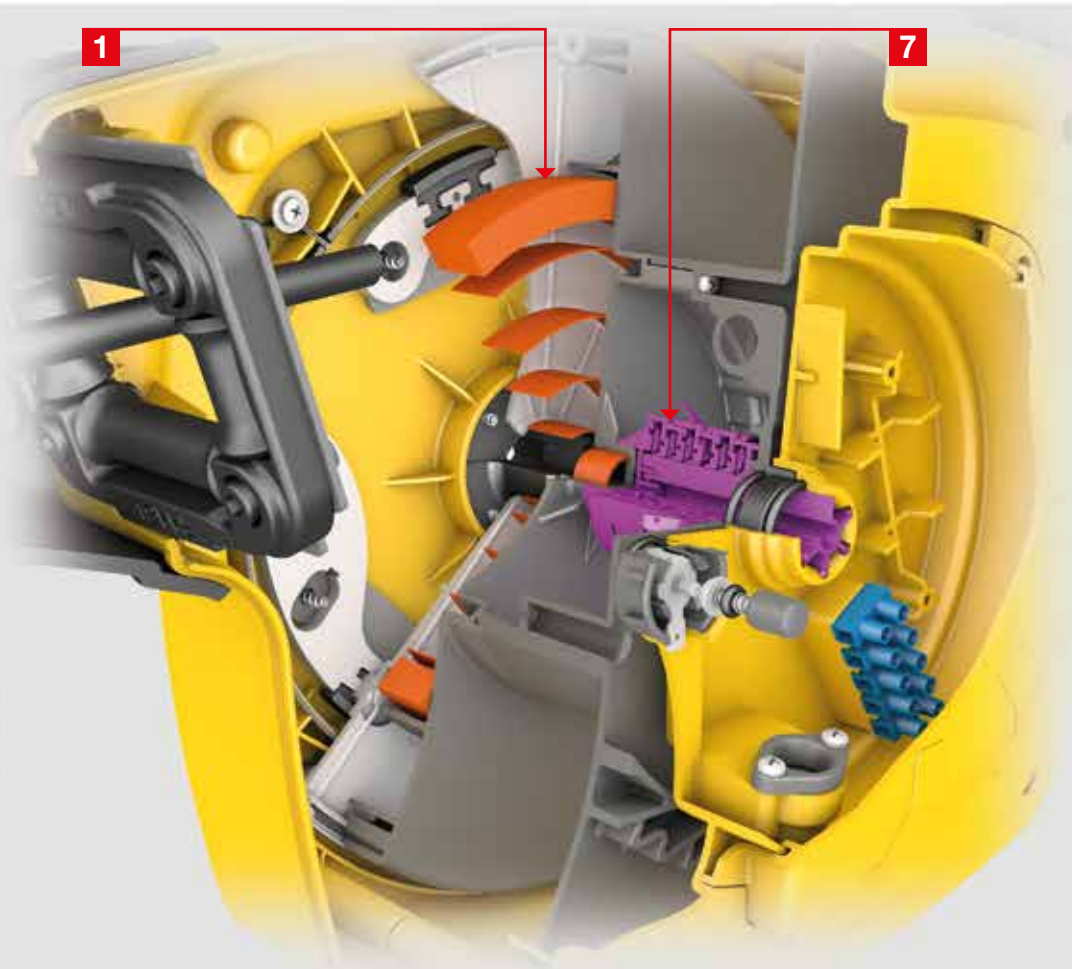
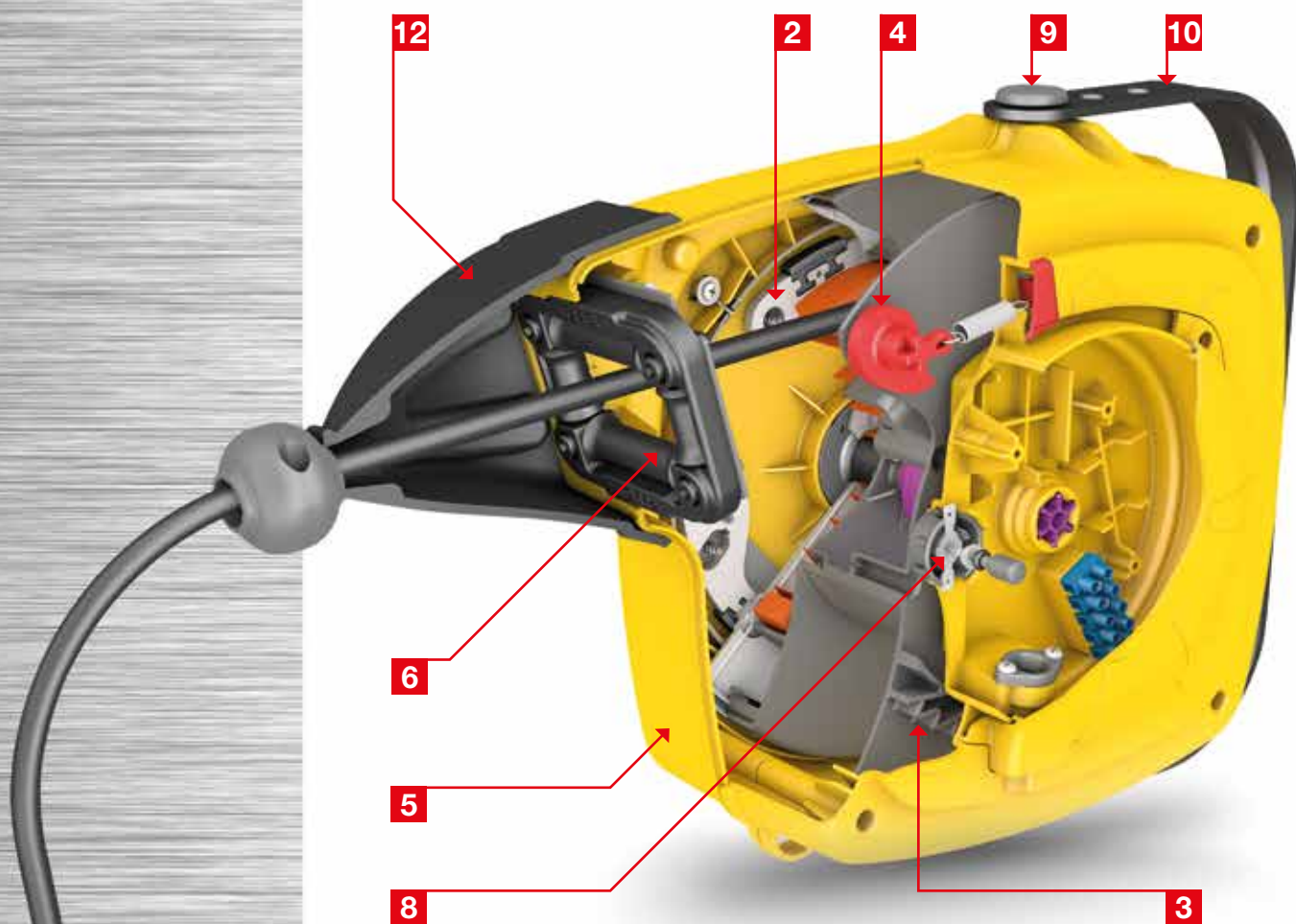
advantages



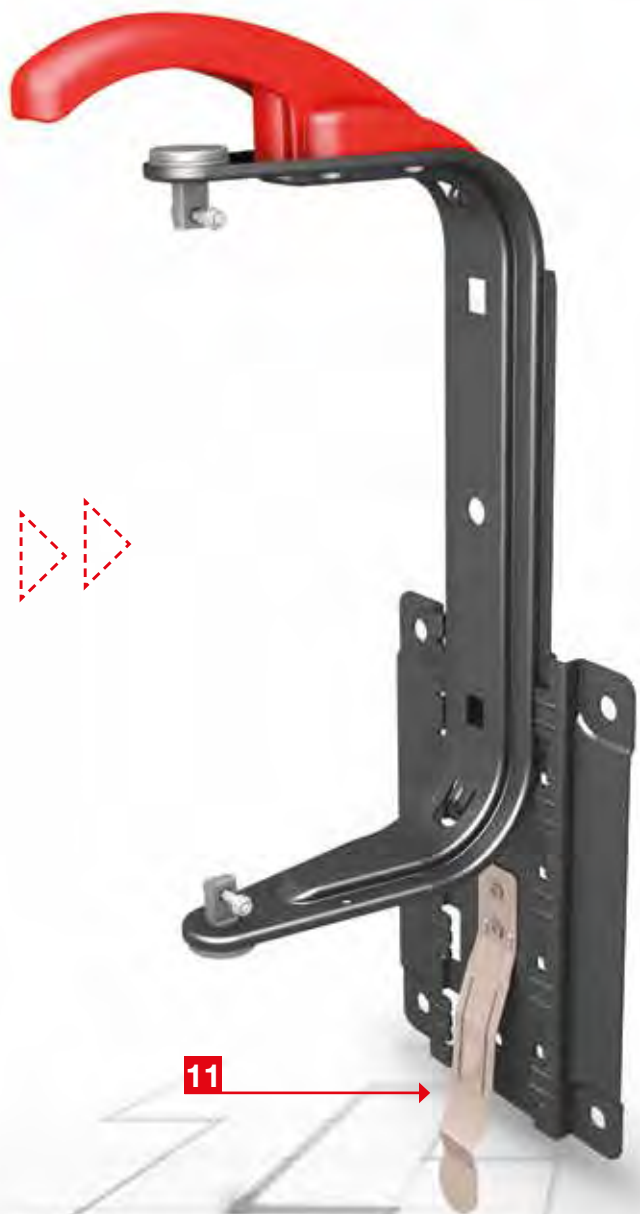
- Electric collector designed for better performances also with high currents.
- Thermal protector against overheating of the rewinded cable mounted in all the models.
- IP44 protection degree provided for all the electrical parts.
- Spring tested for more than 10 working years with the possibility to easily adjust the rewinding force.
- Cable guide with rollers equipped with 4 rollers in each model designed to save the work life of the cable.
- Different options for different needs: rewinding clutch, bayonet bracket and protection cap.



CABLE REEL



TECHNICAL CHARACTERISTICS



Guarantee and quality of the components are our priority!

1 SPRING

Rewinding spring totally protected from the external environment. The spring is subjected to a durability test of 20000 cycles (each cycle corresponds to the complete unwinding and rewinding of the cable) thus simulating an average life of over 10 years. Possibility to intervene to adjust the spring force increasing or decreasing the preload.

2 REWINDING CLUTCH

Optional, devoid of complex and potentially wearing kinematic motions, allows the rewinding of the drum at a safe speed.

3 STOPPING RACK

It has an increased width and reinforcement ribs ensuring greater durability and sturdiness. It offers the possibility to block the cable every 0,5 m allowing the unwinding of the desired length.

4 PAWL

Easy to remove, of increased thickness with reinforcing ribs ensuring high stress resistance and durability.

5 STRUCTURE

Strong and compact made in shockproof material of high mechanical resistance designed to withstand over time.

6 CABLE GUIDE WITH ROLLERS

Sturdy and resistant with reinforced steel interior. Wide width which allows guiding the cable properly for correct rewind. Equipped with 4 rollers, 2 arranged horizontally (above and below) and 2 arranged vertically (left and right) that reduce cable wear.

7 ELECTRIC COLLECTOR

Replaceable in one single piece, it has sliding contacts each provided with 3 sliding lines to reduce the electrical resistance and the heating during operation. Equipped with double earth contact.

8 THERMAL PROTECTOR

Safety system against overheating of the rewinded cable.

9 SIDE CLUTCH

The bracket is equipped with a special clutch which controls the rotation speed on the right and on the left of the cable reels.

10 ADJUSTABLE BRACKET

Adjustable up to 90° per side, constructed with sturdy structure, with fixing slotted holes that facilitate wall mounting.

11 BAYONET BRACKET

A bracket with bayonet type quick coupling is available as optional it allows an easier movement of the cable reels in the various workstations.

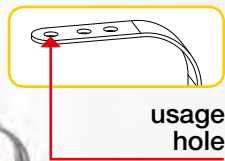
12 PROTECTION CAP

Optional, in NBR synthetic rubber, it protects the cable reels from accidental entrance of foreign bodies through the cable guide.

USE OF **ADJUSTABLE BRACKET**

POSITION

1

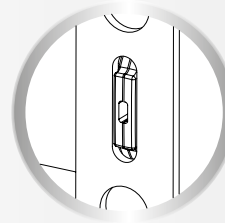
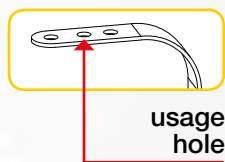


The adjustable bracket of the cable reels may assume various positions:

The **position 1** is particularly suitable for “single” installation on the wall or ceiling. This position allows the rotation of the cable reels around the central axis supported by the bracket, allowing maximum flexibility to the operator in the use of the cable in all directions.

POSITION

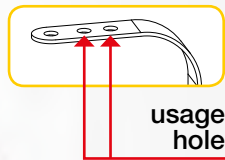
2



The **position 2** is suitable for installation of the cable reels “in series” (ceiling wall/floor or bench) because the rotation is blocked by the bracket that creates an interlocking with the guards of the cable reels.

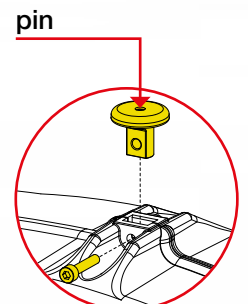
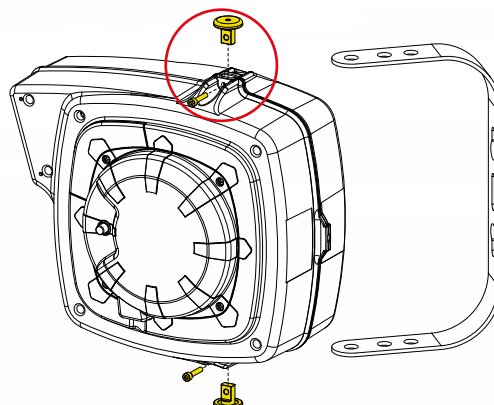
POSITION

3



The **position 3** is suitable for specific installation schemes, that is when the pulling and exit direction of the cable is parallel to the wall where the cable reels is installed.

In order to pass from an installation position to another it is necessary to remove the bracket.



ACCESSORIES

REWINDING CLUTCH

Cable reels series 280 and series 290

can be equipped with a brake acting while rewinding the cable.

This accessory limits the maximum rotation speed making secure even accidental and uncontrolled rewinding.

The version with the clutch, is distinguished from the

“SPEED CONTROL” plate.



PROTECTION CAP

P/N 728115

The protection cap of the cable guide, made of flexible black rubber, **prevents accidental entry of foreign bodies** and ensures to the cable reels the IP45 protection degree. **On request** it can be mounted on the cable reels you want to purchase using the appropriate customized code, see the following pages.

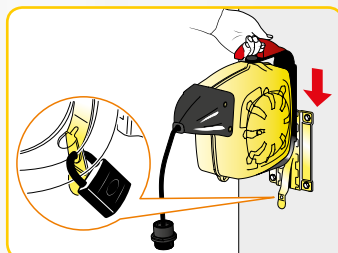


△ For a correct use during the rewinding phase, is important to align the cable with the protection cap's axis.

BAYONET BRACKET

P/N 89003

A bracket with bayonet type quick coupling is available on request: (provided with wall bracket P/N 89001), it allows an easier movement of the cable reels in the various workstations.



To prevent removal or theft of the cable reels it is possible to secure it with a bolt or a lock.

P/N 89001

Wall bracket, to be bought separately in case you want to create multiple points for fitting the cable reels provided with bayonet bracket.

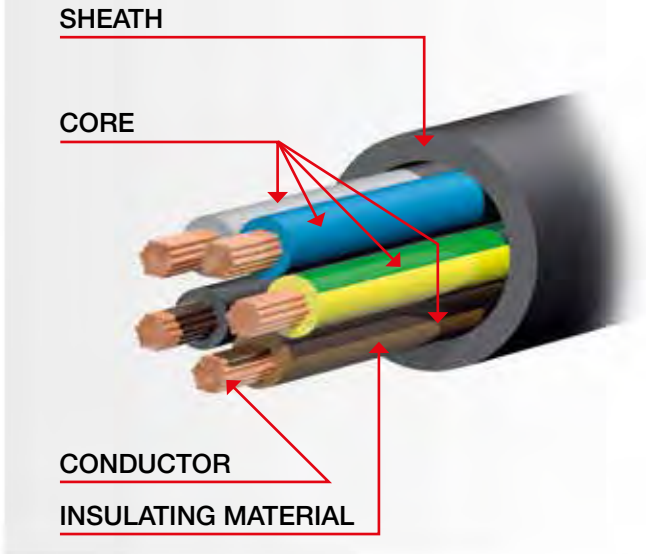


ELECTRICAL CABLES

The denomination “**electrical cable**” indicates a **conductor uniformly insulated or a set of insulated conductors**, each from the others and towards the outside, combined into a single complex complete with protection covering.

THE CABLE IS MADE OF SEVERAL PARTS:

- the **metallic part** for conducting the current consists of a single wire or several stranded wires and their conductor;
- a layer of **insulating material** surrounds the conductor;
- the set of the conductor and its isolation constitutes the cable **core**; each cable may have more cores;
- the **sheath** has a protective function of the cable cores. The sheath in general is always in insulating material.

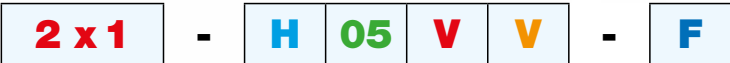


TECHNICAL TABLE READING GUIDE

NUMBER OF CONDUCTORS	Number of conductors uniformly insulated that make up the cross section of the electrical cable.
CONDUCTOR’S CROSS SECTION	Area (in mm²) of the cross section of each conductor.
TYPE OF INSULATING MATERIAL	The type of material (e.g. PVC, natural rubber) acts as a protective covering to the conductor with mechanical or chemical protection function.

The following guidelines have been extracted from the Standard CEI 20-27

EXAMPLE OF POWER CABLE DESIGNATION



Number of conductors and conductor cross section (in mm²)

- 2 x 1** 2 Conductors cable, cross section 1 mm²
- 3G x 1** 3 Conductors, cross section 1 mm² each, one of them with yellow-green insulation
- 4G x 1** 4 Conductors, cross section 1 mm² each, one of them with yellow-green insulation
- 5G x 1** 5 Conductors, cross section 1 mm² each, one of them with yellow-green insulation

Reference Standards

- H** Cable conforming to Harmonized standards CENELEC (HD 22.4 S2)
- A** Cable of national type approved and listed in the supplements to the Harmonized standards CENELEC
- xx - N** Other type of national cable

Voltage rating

- 03** Rated insulation voltage $U_0/U = 300/300V$
- 05** Rated insulation voltage $U_0/U = 300/500V$
- 07** Rated insulation voltage $U_0/U = 450/750V$
- 1** Rated insulation voltage $U_0/U = 0,6/1KV$

Insulation material

- B** Ethylene propylene rubber
- B3** Butyl rubber
- J** Braided fiberglass
- M** Mineral
- N** Polychloroprene (or equivalent material)
- R** Natural rubber or styrene-butadiene rubber
- S** Silicone rubber
- V** Polyvinyl chloride (PVC) commonly used
- X** Cross-linked polyethylene

Non-metallic sheath

- B** Ethylene propylene rubber
- B3** Butyl rubber
- J** Braided fiberglass
- M** Mineral
- N** Polychloroprene (or equivalent material)
- R** Natural rubber or styrene-butadiene rubber
- S** Silicon rubber
- V** Polyvinyl chloride (PVC) commonly used
- X** Cross-linked polyethylene

Conductor form

- F** Flexible conductor of a flexible cable for mobile service
- H** Highly flexible conductor of a flexible cable for mobile service
- K** Flexible conductor of a cable for fixed installation
- R** Rigid conductor, round, stringed
- S** Rigid conductor, sectorial, stringed
- U** Rigid conductor, round, single-wire

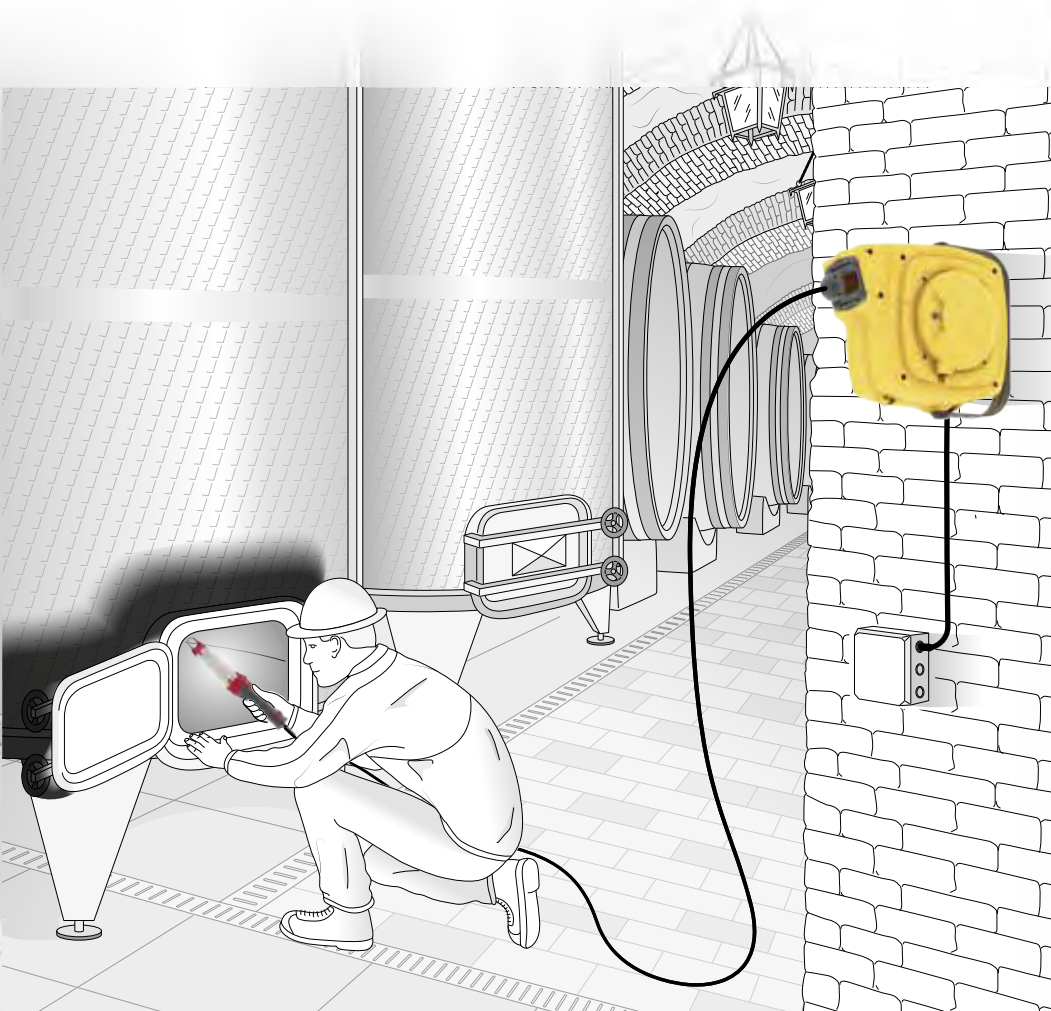




**ADVANCED FLUID
MANAGEMENT SOLUTIONS**



RAASM has produced a wide range of industrial cable reels that can meet the most complex and demanding requests for use fields such as industry, agriculture, petrochemical, mining, aeronautics, shipbuilding, fire departments, automotive, construction, etc.





Cable reels series 280

230 V SINGLE PHASE



without
socket



NUMBER OF CONDUCTORS 2



EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

NUMBER OF CONDUCTORS 3



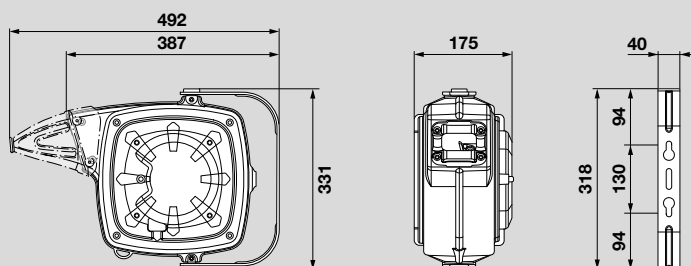
EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

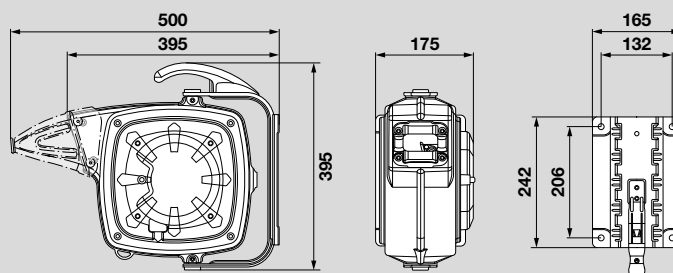
Colour:

☐ STANDARD ☒ RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
6,8 ÷ 7,4	40	440 x 195 x 485

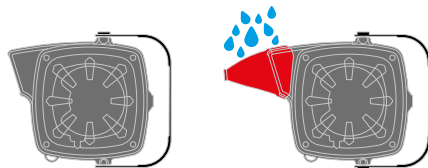
Weight (Kg)	No. packages per pallet	Packaging (mm)
7,0 ÷ 8,8	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

Cable inlet: 1,2 m

Protection degree of electrical parts



IP44 without protection cap IP45 with protection cap

Attention: The system is downgraded depending on the IP valve of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
2210	2	2 x 1 - H05 VV-F	17 + 1 m	0,9 kW	1,4 kW	YES
3210	2	2 x 1 - H07 RN-F	12 + 1 m	0,9 kW	1,4 kW	YES
2215	2	2 x 1,5 - H05 VV-F	15 + 1 m	1,1 kW	2,3 kW	YES
2225	2	2 x 2,5 - H05 VV-F	10 + 1 m	1,9 kW	3,5 kW	YES
2310	3	3G x 1 - H05 VV-F	14 + 1 m	0,9 kW	1,4 kW	YES
3310	3	3G x 1 - H07 RN-F	10 + 1 m	0,9 kW	1,4 kW	YES
2315	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	YES
3315	3	3G x 1,5 - H07 RN-F	9 + 1 m	1,2 kW	2,3 kW	YES
2325	3	3G x 2,5 - H05 VV-F	9 + 1 m	1,9 kW	3,5 kW	YES
3325	3	3G x 2,5 - H07 RN-F	7 + 1 m	1,9 kW	3,5 kW	YES

ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
2210F	2	2 x 1 - H05 VV-F	17 + 1 m	0,9 kW	1,4 kW	YES
3210F	2	2 x 1 - H07 RN-F	12 + 1 m	0,9 kW	1,4 kW	YES
2215F	2	2 x 1,5 - H05 VV-F	15 + 1 m	1,1 kW	2,3 kW	YES
2225F	2	2 x 2,5 - H05 VV-F	10 + 1 m	1,9 kW	3,5 kW	YES
2310F	3	3G x 1 - H05 VV-F	14 + 1 m	0,9 kW	1,4 kW	YES
3310F	3	3G x 1 - H07 RN-F	10 + 1 m	0,9 kW	1,4 kW	YES
2315F	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	YES
3315F	3	3G x 1,5 - H07 RN-F	9 + 1 m	1,2 kW	2,3 kW	YES
2325F	3	3G x 2,5 - H05 VV-F	9 + 1 m	1,9 kW	3,5 kW	YES
3325F	3	3G x 2,5 - H07 RN-F	7 + 1 m	1,9 kW	3,5 kW	YES

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

★ The values are intended with cable completely unwound.

ACCESSORIES



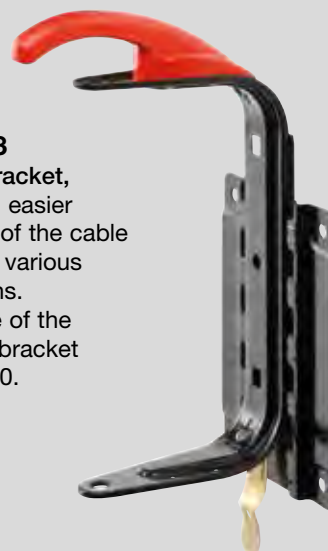
SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



Cable reels series 280 400 V THREE PHASE



without
socket



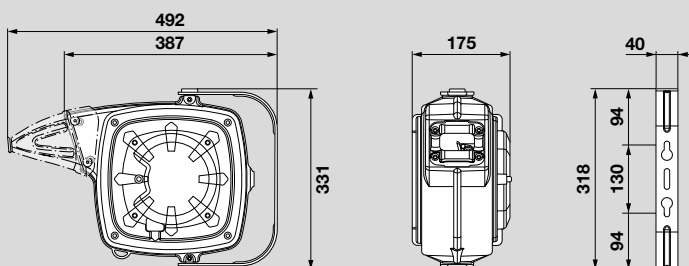
EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

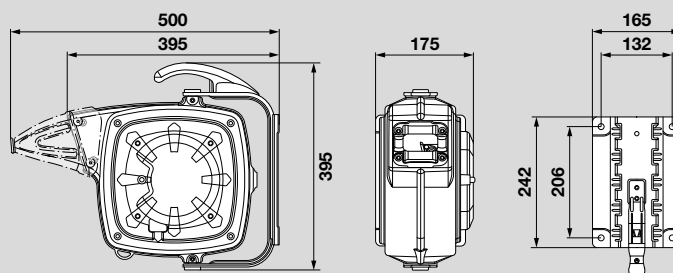
Colour:

☐ STANDARD ☐ RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
6,9 ÷ 7,7	40	440 x 195 x 485

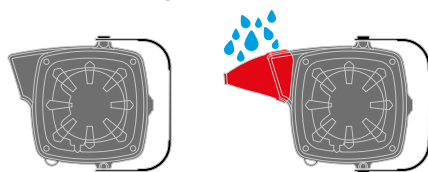
Weight (Kg)	No. packages per pallet	Packaging (mm)
7,3 ÷ 9,3	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

Cable inlet: 1,2 m

Protection degree of electrical parts



IP44 without protection cap IP45 with protection cap

Attention: The system is downgraded depending on the IP valve of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
4410	4	4G x 1 - H05 VV-F	11 + 1 m	1,1 kW	2,3 kW	YES
4415	4	4G x 1,5 - H05 VV-F	10 + 1 m	1,4 kW	4 kW	YES
5415	4	4G x 1,5 - H07 RN-F	8 + 1 m	1,4 kW	4 kW	YES
4425	4	4G x 2,5 - H05 VV-F	8 + 1 m	2 kW	6 kW	YES
5425	4	4G x 2,5 - H07 RN-F	5 + 1 m	2 kW	6 kW	YES
4510	5	5G x 1 - H05 VV-F	11 + 1 m	1 kW	2,3 kW	YES
4517	5	5G x 1,5 - H05 VV-F	8 + 1 m	1,4 kW	4 kW	YES
5515	5	5G x 1,5 - H07 RN-F	7 + 1 m	1,4 kW	4 kW	YES



ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
4410F	4	4G x 1 - H05 VV-F	11 + 1 m	1,1 kW	2,3 kW	YES
4415F	4	4G x 1,5 - H05 VV-F	10 + 1 m	1,4 kW	4 kW	YES
5415F	4	4G x 1,5 - H07 RN-F	8 + 1 m	1,4 kW	4 kW	YES
4425F	4	4G x 2,5 - H05 VV-F	8 + 1 m	2 kW	6 kW	YES
5425F	4	4G x 2,5 - H07 RN-F	5 + 1 m	2 kW	6 kW	YES
4510F	5	5G x 1 - H05 VV-F	11 + 1 m	1 kW	2,3 kW	YES
4517F	5	5G x 1,5 - H05 VV-F	8 + 1 m	1,4 kW	4 kW	YES
5515F	5	5G x 1,5 - H07 RN-F	7 + 1 m	1,4 kW	4 kW	YES

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

★ The values are intended with cable completely unwound.

ACCESSORIES



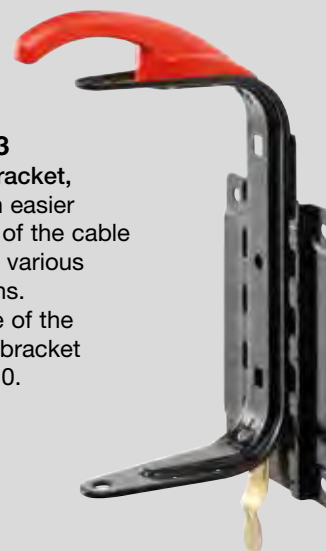
SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



Cable reels series 280

230 V SINGLE PHASE



with one
socket and
Schuko
plug IP44



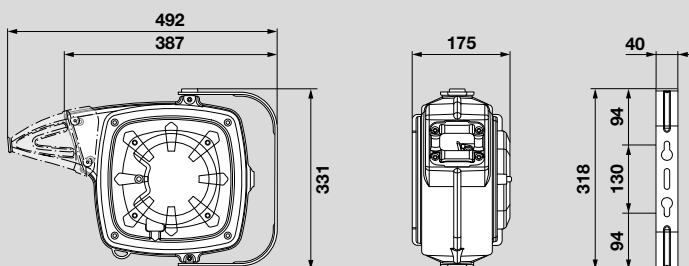
EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

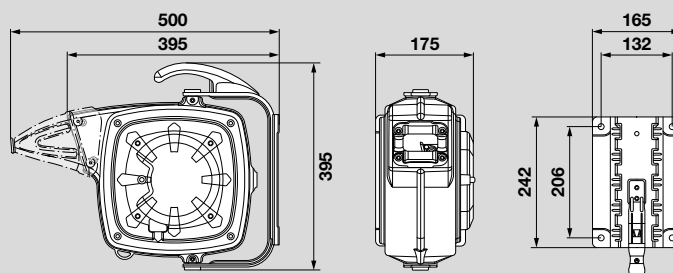
Colour:

☐ STANDARD ☐ RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
6,9	40	440 x 195 x 485

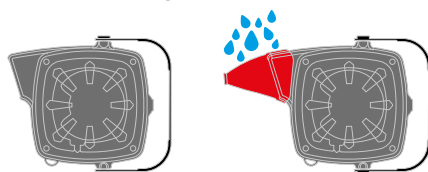
Weight (Kg)	No. packages per pallet	Packaging (mm)
8,2	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

Cable inlet: 1,2 m

Protection degree of electrical parts



IP44 without protection cap

IP45 with protection cap

Attention: The system is downgraded depending on the IP valve of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
2315S	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	YES

ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
2315SF	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	YES

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

★ The values are intended with cable completely unwound.

ACCESSORIES



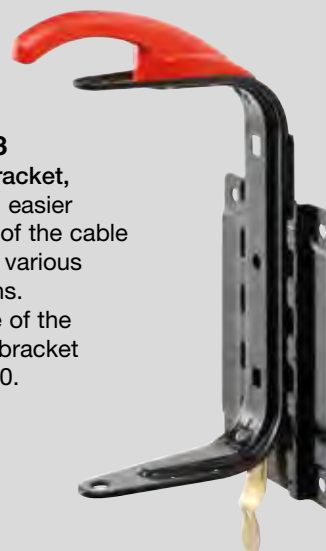
SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



Cable reels series 280

230 V SINGLE PHASE



with triple
socket and
Schuko
plug IP44



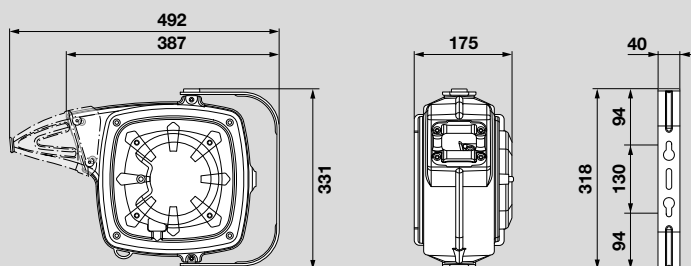
EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

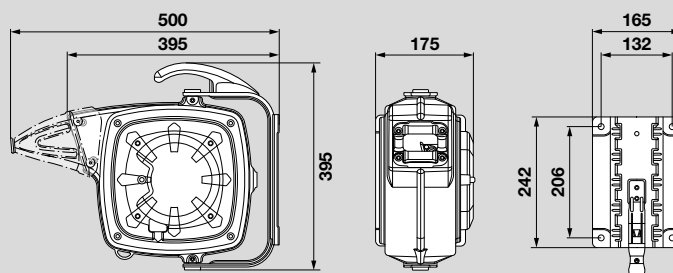
Colour:

☐ STANDARD ☐ RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
7,1	40	440 x 195 x 485

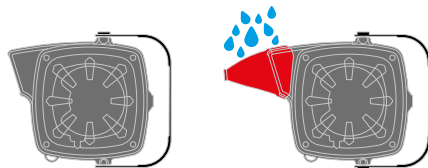
Weight (Kg)	No. packages per pallet	Packaging (mm)
8,4	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

Cable inlet: 1,2 m

Protection degree of electrical parts



IP44 without protection cap

IP45 with protection cap

Attention: The system is downgraded depending on the IP value of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
2315T	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	YES



ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Max. power use (20 °C)		Thermal protector
				Wound (kW)	Unwound (kW) *	
2315TF	3	3G x 1,5 - H05 VV-F	14 + 1 m	1,2 kW	2,3 kW	YES

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

★ The values are intended with cable completely unwound.

ACCESSORIES



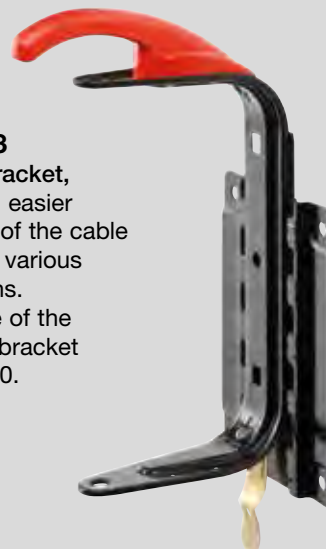
SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



Cable reels series 280 without transformer



with fluorescent
portable lamp
11 W series
F230 - F12 - F24



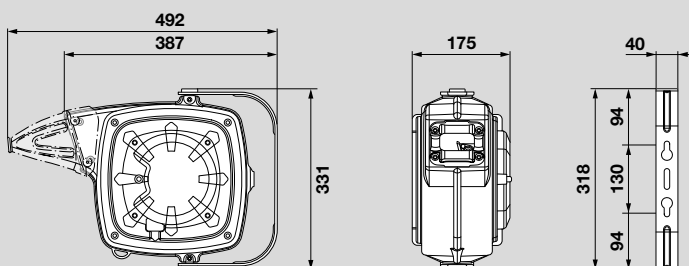
EN 61242 EN 60598

2014/35/EU 2014/30/EU
2011/65/EU EU 874/2012

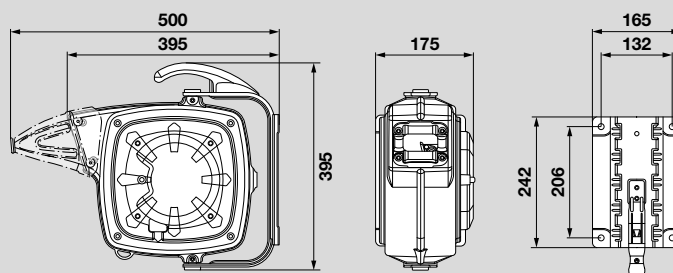
Colour:

☐ STANDARD ☒ RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



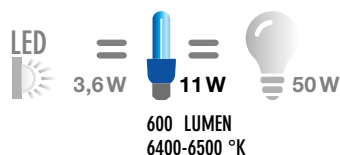
Weight (Kg)	No. packages per pallet	Packaging (mm)
8,0	40	440 x 195 x 485

Weight (Kg)	No. packages per pallet	Packaging (mm)
9,3	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

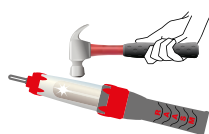
Cable inlet: 1,2 m



Lamp protection degree

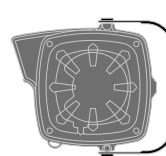


IP65

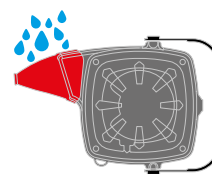


IK09

Protection degree of electrical parts



IP44 without protection cap



IP45 with protection cap

Attention: The system is downgraded depending on the IP value of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Inlet voltage	Lamp (page 32)
2210F23	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC-50 Hz	F230
2210F12	2	2 x 1 - H05 RN-F	14 + 1 m	12 V DC	F12
2210F24	2	2 x 1 - H05 RN-F	14 + 1 m	24 V DC	F24

ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Inlet voltage	Lamp (page 32)
2210F23F	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC-50 Hz	F230
2210F12F	2	2 x 1 - H05 RN-F	14 + 1 m	12 V DC	F12
2210F24F	2	2 x 1 - H05 RN-F	14 + 1 m	24 V DC	F24

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

ACCESSORIES



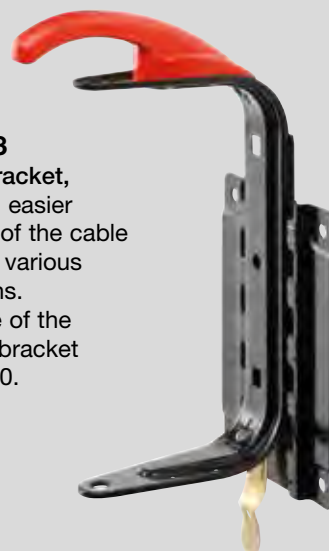
SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.

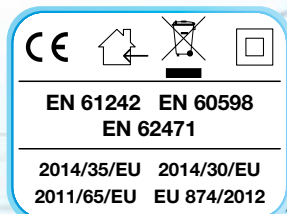


Cable reels series 280

without transformer from 12 V to 24 V AC/DC



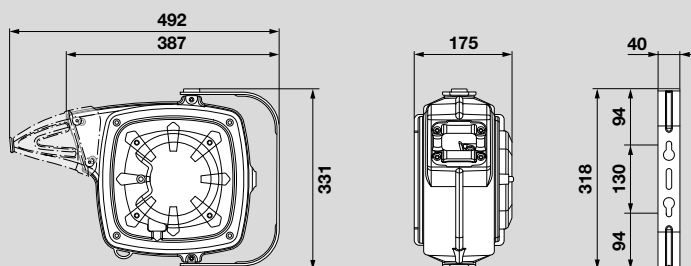
with led
portable lamp
series L1224



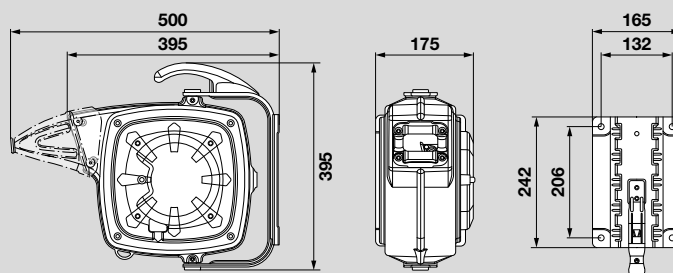
Colour:



Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
7,1	40	440 x 195 x 485

Weight (Kg)	No. packages per pallet	Packaging (mm)
8,4	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

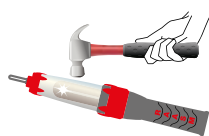
Cable inlet: 1,2 m

LED = 3,6W = 11W = 50W
360 LUMEN
5000 °K

Lamp protection degree

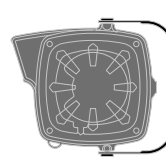


IP65

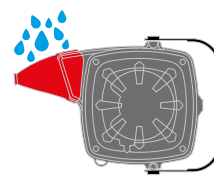


IK09

Protection degree of electrical parts



IP44 without protection cap



IP45 with protection cap

Attention: The system is downgraded depending on the IP value of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Inlet voltage	Lamp (page 33)
2210L	2	2 x 1 - H05 RN-F	14 + 1 m	da 12 V a 24 V AC/DC	L1224

ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Inlet voltage	Lamp (page 33)
2210LF	2	2 x 1 - H05 RN-F	14 + 1 m	da 12 V a 24 V AC/DC	L1224

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

ACCESSORIES



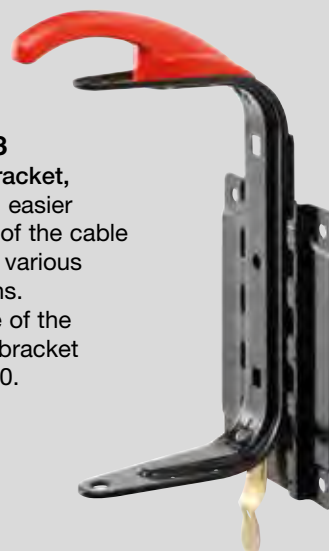
SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003

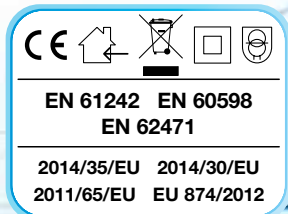
Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



Cable reels series 290 with transformer 230 V



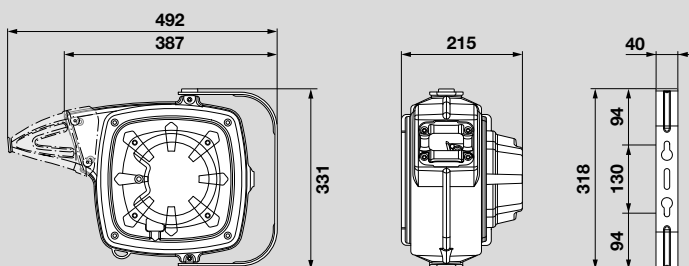
with led
portable lamp
series L1224



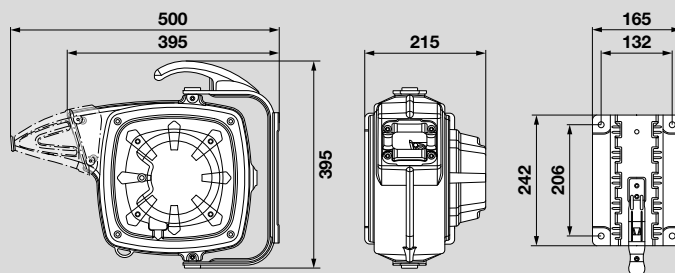
Colour:



Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
9,0	40	440 x 195 x 485

Weight (Kg)	No. packages per pallet	Packaging (mm)
10,4	40	440 x 195 x 485

Usage environment temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

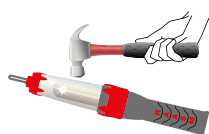
Cable inlet: 1,2 m

LED =  =  = 
3,6W 11W 50W
360 LUMEN
5000 °K

Lamp protection degree

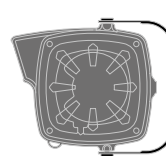


IP65

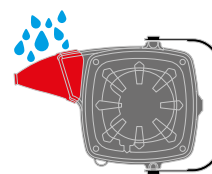


IK09

Protection degree of electrical parts



IP44 without protection cap



IP45 with protection cap

Attention: The system is downgraded depending on the IP value of the connected components.



STANDARD ARTICLES

P/N standard	Number of conductors	Cable type	Cable length (m)	Inlet voltage	Lamp (page 33)
2210TL	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC - 50 Hz	L1224

ARTICLES WITH SPEED CONTROL

P/N with speed control	Number of conductors	Cable type	Cable length (m)	Inlet voltage	Lamp (page 33)
2210TLF	2	2 x 1 - H05 RN-F	14 + 1 m	230 V AC - 50 Hz	L1224

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

ACCESSORIES



SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

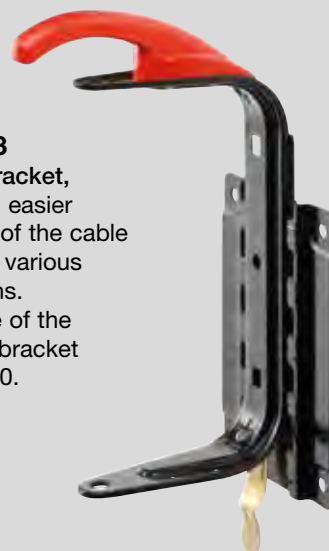


P/N 728115

Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.

P/N 89003

Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



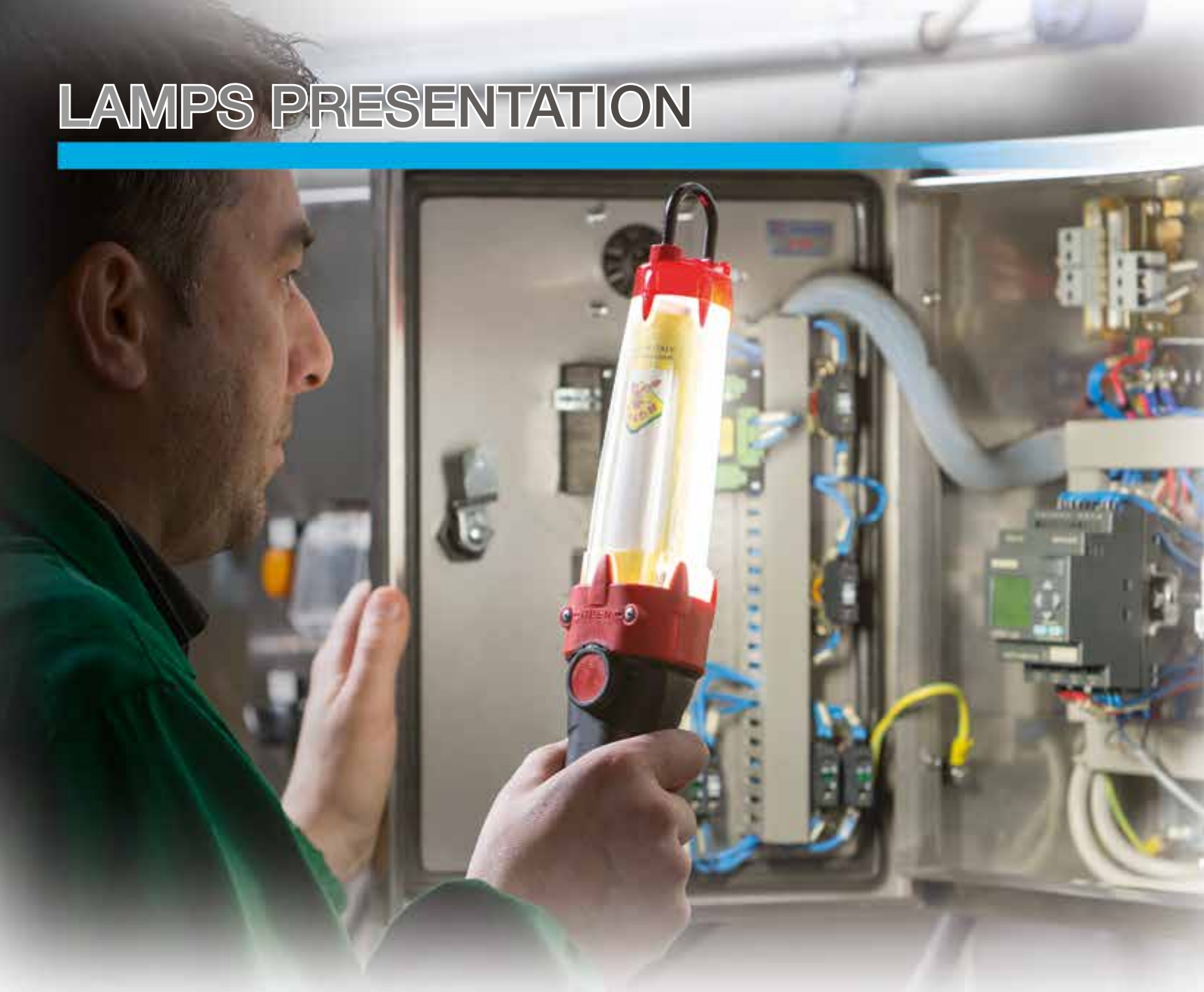
LAMPS

LED LAMP
SERIES L1224

FLUORESCENT
LAMP
SERIES F230 - F12 - F24



LAMPS PRESENTATION



RAASM, portable lamps are strong and ideal for use in many fields of application. The adjustable hook and magnetic support allow their correct positioning in any situation. Depending on the model, they emit yellow or white light without generating heat and guarantee a large area of uniform illumination that ensures a large visual field.

advantages



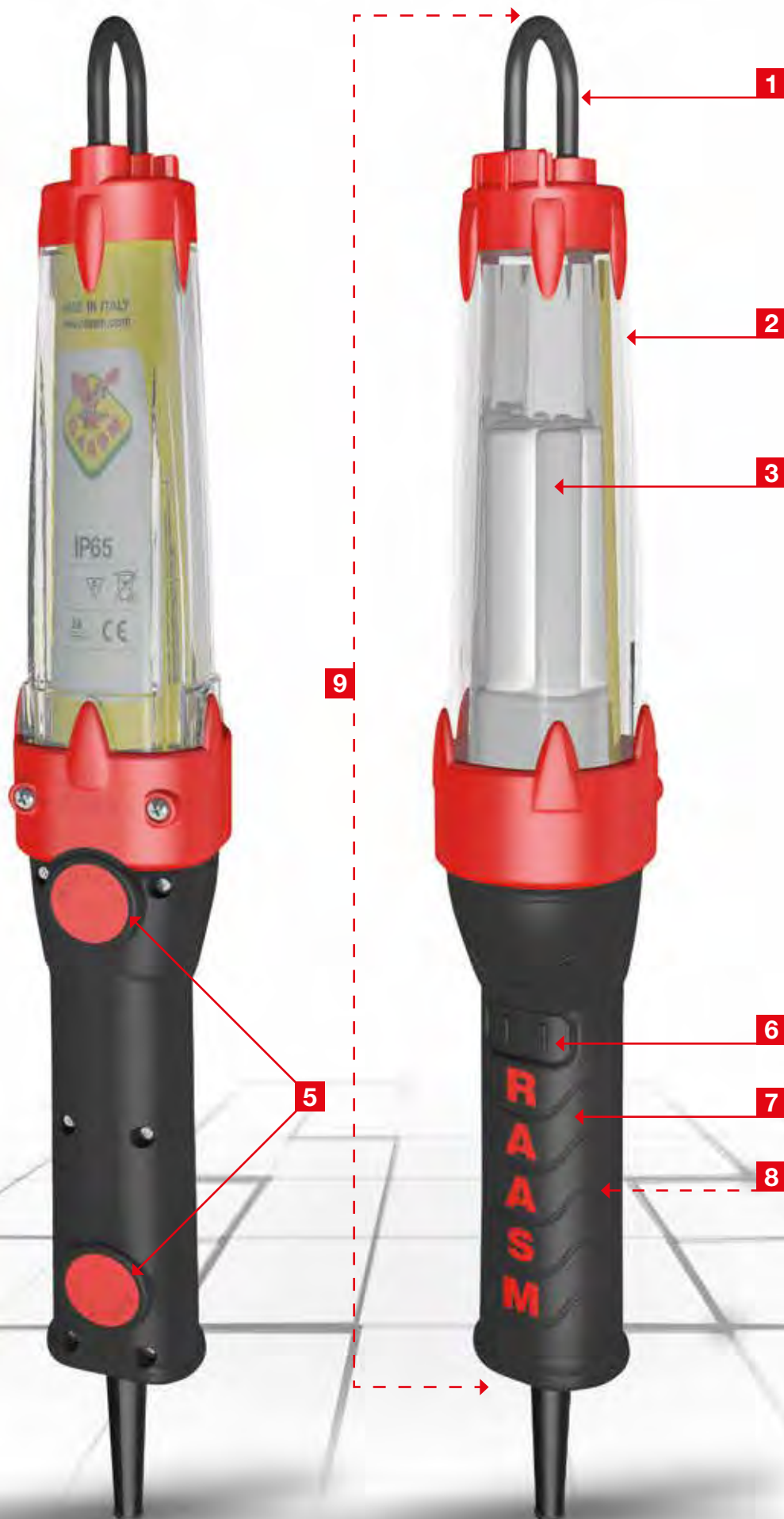
- Longer service life than a classic incandescent light bulb.
- Increased light output.
- Emits light at 5000 °K, comparable with the sun light (led version).
- Light diffuser to make uniform the led's beam.
- Lower heating.
- Lower energy consumption.
- Easy positioning thanks to the swivelling hook and the magnetic support.
- Switch protected from accidental actuation.
- Bicomponent non-slip handgrip.



The model with fluorescent lamp is supplied with light bulb. Fluorescent portable lamp that fits only energy saving light bulbs E27 max 11 W.

WARNING

TECHNICAL CHARACTERISTICS





1 ADJUSTABLE HOOK

360° rotating, with locking loop device, allows to securely hook the lamp to various types of supports. The innovative closed loop system ensures a safe hooking also on moving equipment.

2 TRANSPARENT PROTECTION COVER

In high resistance polymer, it protects the lamp from accidental shocks and against entry of dust, dirt and liquids. Replaceable screen.

3 FLUORESCENT LIGHT BULB 11 W

For voltages from 12 V DC a 24 V DC - 230 V AC - 50 Hz. Series F280 - F12 - F24

4 LED HOLDER UNIT

For voltages from 12 V AC/DC a 24 V AC/DC. It includes 12 white LEDS (5000 °K) for a total of 3,6 W. Easily replaceable. Series L1224



5 MAGNETIC SUPPORT

Integrated in the handgrip, allows the adhesion of the lamp to any surface. This simple and practical device is useful when there are no holds for the hook of the lamp.

6 PROTECTED SWITCH

Incorporated inside the handle grip, it is protected from accidental shocks and against entry of dust, dirt and liquids.

7 HANDGRIP

In anti-skidding bicomponent, it allows a rapid and safe grip of the lamp.

8 PROTECTION FUSE

2 A, electrically protects the lamp from eventual short circuits. In the fluorescent lamp version is user replaceable.

9 PROTECTION DEGREE

IP65 - IK09.



Guarantee and quality of the components are our priority!



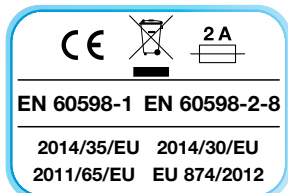
Portable lamp series F230 - F12 - F24 supplied with fluorescent bulb



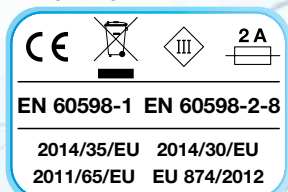
powered by:

- 12 V DC
- 24 V DC
- 230 V AC

SERIES F230



SERIES F12 - F24

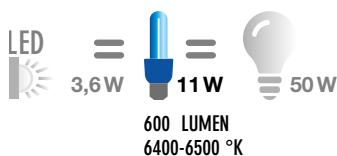


!
Feed the lamp exclusively with the correct voltage. Using it with different voltages irretrievably damages the lamp, and invalidate any warranty.

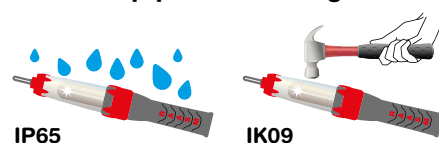


Technical characteristics:

Magnetic support
Transparent replaceable protection cover
Anti-skidding grip



Lamp protection degree



FLUORESCENT PORTABLE LAMP SERIES F230 - F12 - F24

Fluorescent lamp P/N	Power supply voltage	Light bulb coupling	Max power (W)	Lamp protection degree	Light bulb supplied
F230	230 V AC - 50 Hz	E27	11	IP65	P/N 728001
F12	12 V DC	E27	11	IP65	P/N 728002
F24	24 V DC	E27	11	IP65	P/N 728003

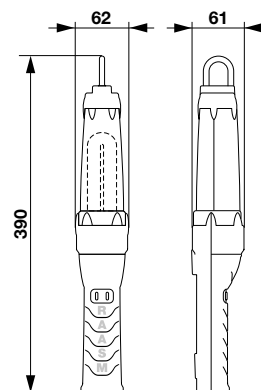
- !** The above-mentioned codes refer to the lamp supplied without cable.
! All the models can be supplied with light bulbs belonging to energetic efficiency class B, A and A+ in accordance with European regulation EU 874/2012. Fluorescent light bulbs can be replaced only with same energetic efficiency class.

LIGHT BULBS AVAILABLE

P/N 728001 Lamp 11 W 230 V AC - 50 Hz
P/N 728002 Lamp 11 W 12 V DC
P/N 728003 Lamp 11 W 24 V DC



Overall dimensions (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
0,6	40	525 x 135 x 80



Portable lamp series L1224 supplied with led holder unit



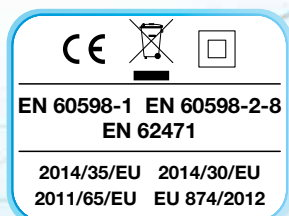
powered by:
12 V ÷ 24 V AC/DC



Feed the lamp exclusively with the correct voltage. Using it with different voltages irretrievably damages the lamp, and invalidate any warranty.

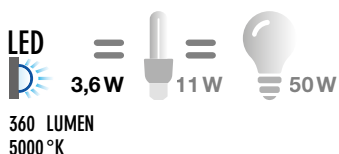


ENERGY
SAVER

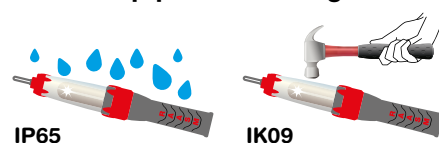


Technical characteristics:

Magnetic support
Transparent replaceable
protection cover
Anti-skidding grip



Lamp protection degree



LED PORTABLE LAMP SERIES L1224

Led lamp P/N	Power supply voltage	N° of leds	Led holder unit power (W)	Lamp protection degree	Led holder unit
L1224	12 ÷ 24 V AC/DC	12	3,6	IP65	P/N 728005

⚠ All the models can be supplied with light bulbs belonging to energetic efficiency class A, A+ and A++ in accordance with European regulation EU 874/2012.

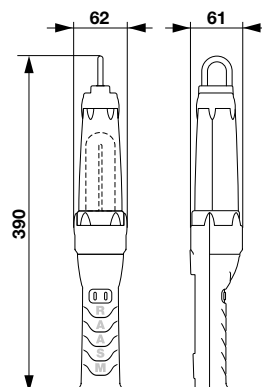
LED HOLDER UNIT

P/N 728005

Kit led holder unit, with 12 leds each of 0,3 W.
Led holder unit cannot be replaced
by others available in the market.



Overall dimensions (mm)



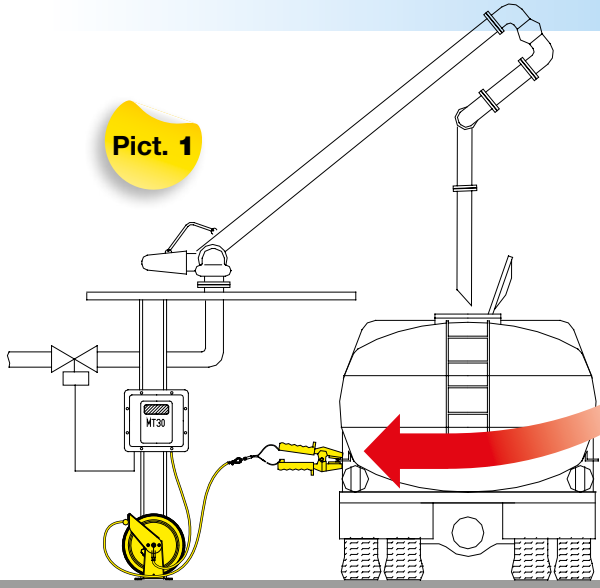
Weight (Kg)	No. packages per pallet	Packaging (mm)
0,6	40	525 x 135 x 80

EARTHING CABLE REELS



PRESENTATION

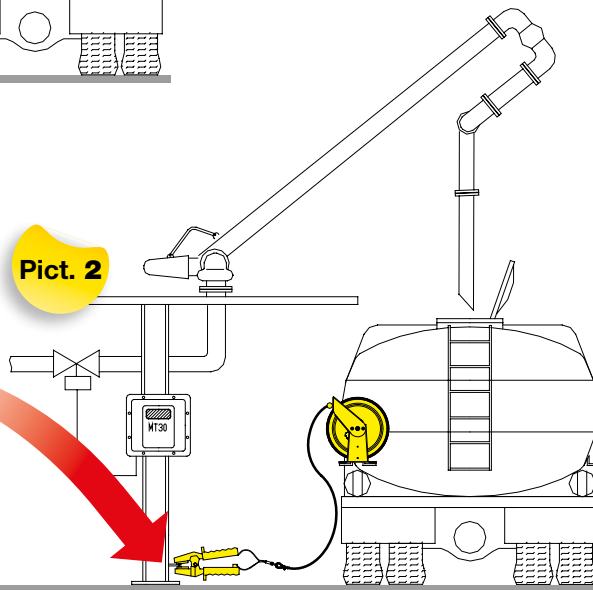
Pict. 1



FUNCTIONIONING:

The assigned operator, before performing the transfer of the fluids, must connect the clamp on the end of the cable to the proper connecting plate obligatorily foreseen on all portable tanks (pict. 1).

Pict. 2



ALTERNATIVE:

The cable reels can be installed on the mobile tank and the pliers connected to the appropriate ground plate (pict. 2).

The cable reels series 350 is marked according to ATEX directive, category 3 (zone 2). The anti-deflagration pliers, standard on some models, can be placed instead in a potentially explosive area (zone 1) as indicated in the relative marking.

The cable reels easily meets the need to ground the tanks containing flammable liquids during the operations of transfer in order to avoid the accumulation of dangerous electrostatic charges.

APPLICATION FIELDS

Deposits and refineries, aviation, tank trucks, naval





Cable reels series 280

earthing



covered in
shockproof
plastic material



CE

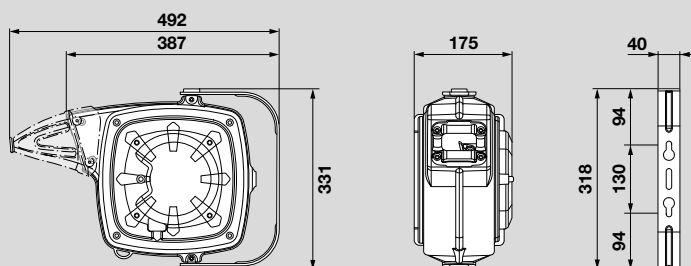
EN 61242

2014/35/EU 2014/30/EU
2011/65/EU

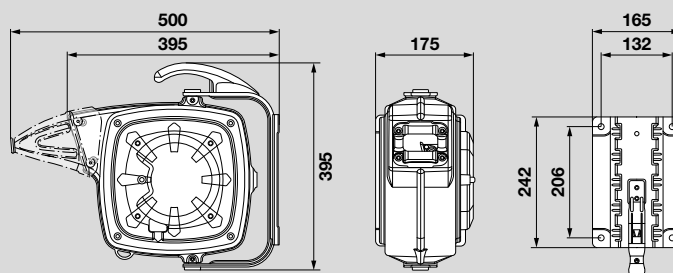
Colour:

☐ STANDARD ☒ RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
5,0 ÷ 9,0	40	440 x 195 x 485

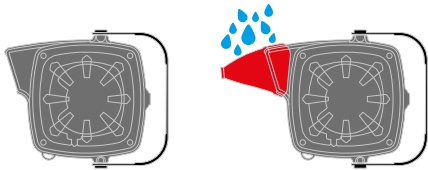
Weight (Kg)	No. packages per pallet	Packaging (mm)
6,3 ÷ 10,3	40	440 x 195 x 485

Usage environment
temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable

Cable inlet: 1,2 m

Protection degree of electrical parts



IP44 without protection cap IP45 with protection cap

Attention: The system is downgraded depending on the IP valve of the connected components.

EARTHING PLIERS

100 A



P/N 735111

50 A



P/N 735112

10 A



ANTI-DEFLAGRATION



STANDARD ARTICLES					
P/N standard	Number of conductors	Cable type	Cable length (m)	Cable inlet (m)	Earthing pliers
1065	1	1 x 6 - H07 V-K	15 + 1	1,2	without
1161	1	1 x 16 - H07 V-K	10 + 1	1,2	without
1065P	1	1 x 6 - H07 V-K	15 + 1	1,2	P/N 735112
1161P	1	1 x 16 - H07 V-K	10 + 1	1,2	P/N 735111
1064P	1	1 x 6 - PUR	14,5	1,2	anti-deflagration 10 A

ARTICLES WITH SPEED CONTROL					
P/N with speed control	Number of conductors	Cable type	Cable length (m)	Cable inlet (m)	Earthing pliers
1065F	1	1 x 6 - H07 V-K	15 + 1	1,2	without
1161F	1	1 x 16 - H07 V-K	10 + 1	1,2	without
1065PF	1	1 x 6 - H07 V-K	15 + 1	1,2	P/N 735112
1161PF	1	1 x 16 - H07 V-K	10 + 1	1,2	P/N 735111
1064PF	1	1 x 6 - PUR	14,5	1,2	anti-deflagration 10 A

⚠ The following codes are considered devoid of accessories: protection cap - bayonet bracket.

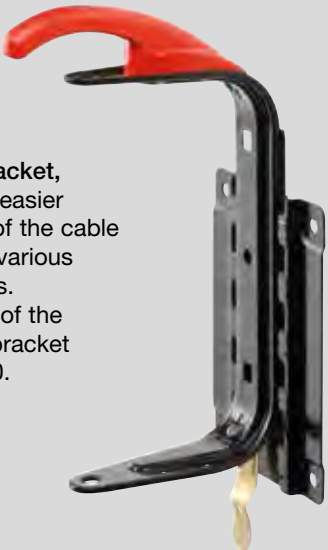
ACCESSORIES



SPEED CONTROL
The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.



P/N 728115
Protection cap, made of oil resistant rubber is useful against the accidental entry of water or foreign objects inside the cable reels.



P/N 89003
Bayonet bracket, it allows an easier movement of the cable reels in the various workstations. For the use of the adjustable bracket see page 10.



Cable reels series 350 earthing



open with
painted steel
drum



In accordance with directive



Colour:



Usage environment
temperature: $-5 \div +40^{\circ}\text{C}$

Fixing bracket: Fixed

Cable inlet: 1,2 m

EARTHING PLIERS

100 A



P/N 735111

50 A



P/N 735112

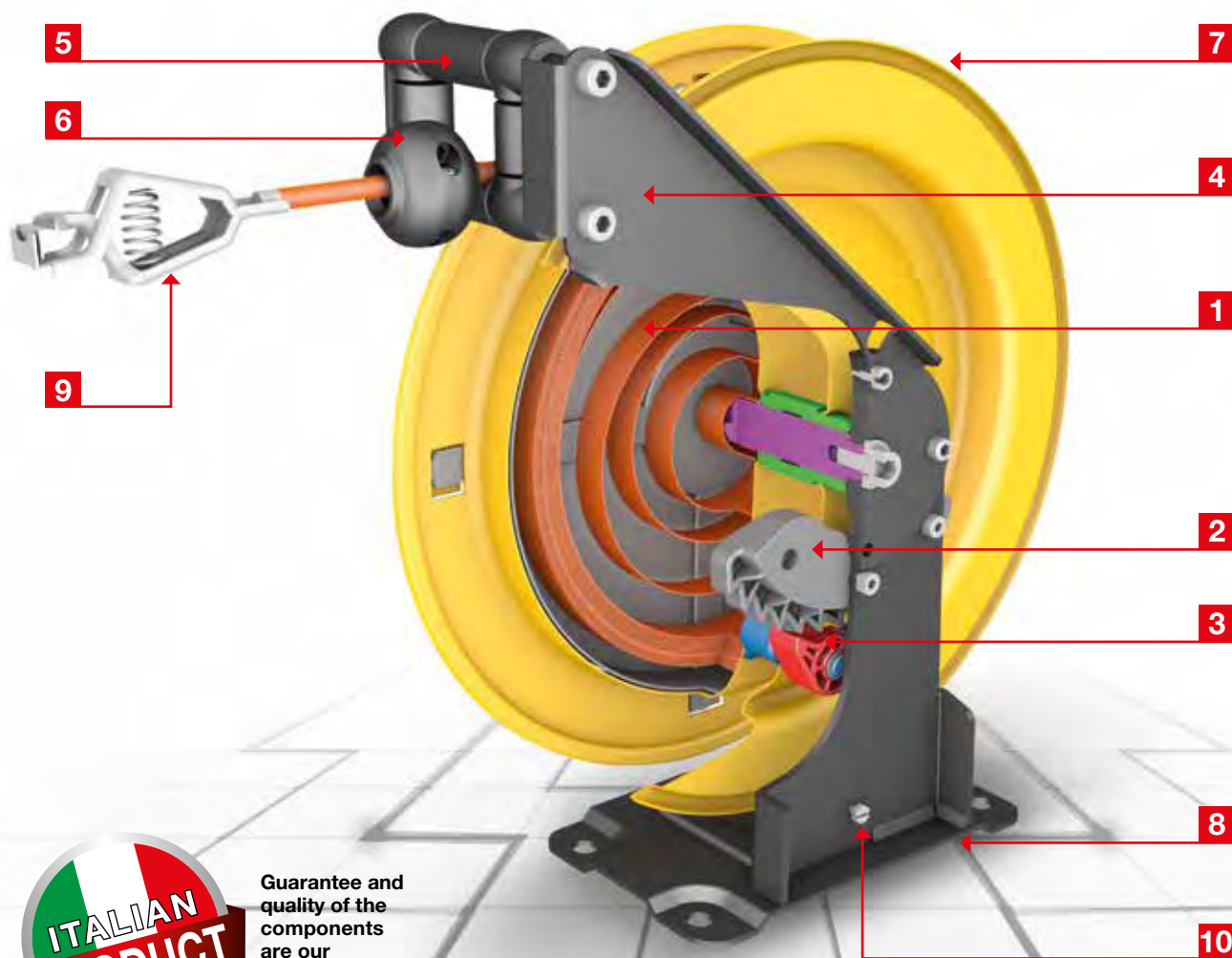
10 A



ANTI-DEFLAGRATION

STANDARD ARTICLES

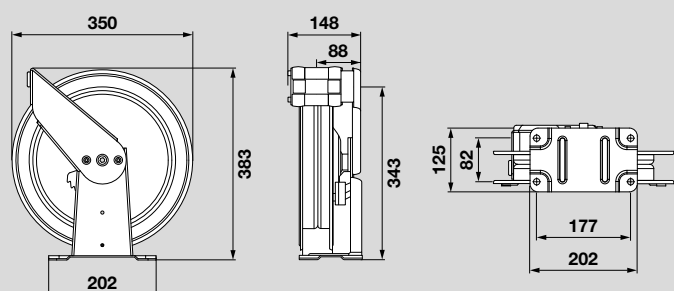
P/N standard	Number of conductors	Cable type	Conducting cable material	Conducting cable insulation	Cable length (m)	Earthing pliers
735000	1	without cable	max cable capacity 30 m - cross section 16 mm ²			without
735131.60141	1	1 x 6	Copper	PUR	14,5	anti-deflagration 10 A
735131.60261	1	1 x 6	Copper	PUR	26	anti-deflagration 10 A
735131.60152	1	1 x 6	Copper	PUR	15	P/N 735112
735131.60252	1	1 x 6	Copper	PUR	25	P/N 735112
735141.60152	1	1 x 7	Steel	PVC	15	P/N 735112
735141.60252	1	1 x 7	Steel	PVC	25	P/N 735112



Guarantee and quality of the components are our priority!

- | | | |
|--|--|--|
| <p>1 REWINDING SPRING
With constant force fully closed and protected.</p> <p>2 STOP RACK
Allows the blocking of the cable to the wanted measure.</p> <p>3 PAWL
Of increased thickness with reinforcement ribs to ensure high resistance to stresses. Actuated by a spring in stainless steel.</p> | <p>4 MULTI POSITION ARMS
To facilitate the release of the cable according to the installation of the cable reels.</p> <p>5 SELF-LUBRICATING CABLE GUIDE ROLLERS
Wide omnidirectional nozzle.</p> <p>6 CABLE CLAMP PAD
Adjustable.</p> | <p>7 CABLE REELS DRUM
Sturdy and practical with ribs and rounded edges.</p> <p>8 HOOKING BRACKET
It is provided with four slotted holes that allow easy and safe installation.</p> <p>9 EARTHING PLIERS
To eliminate the accumulation of electrostatic energy.</p> <p>10 EARTHING CONNECTION</p> |
|--|--|--|

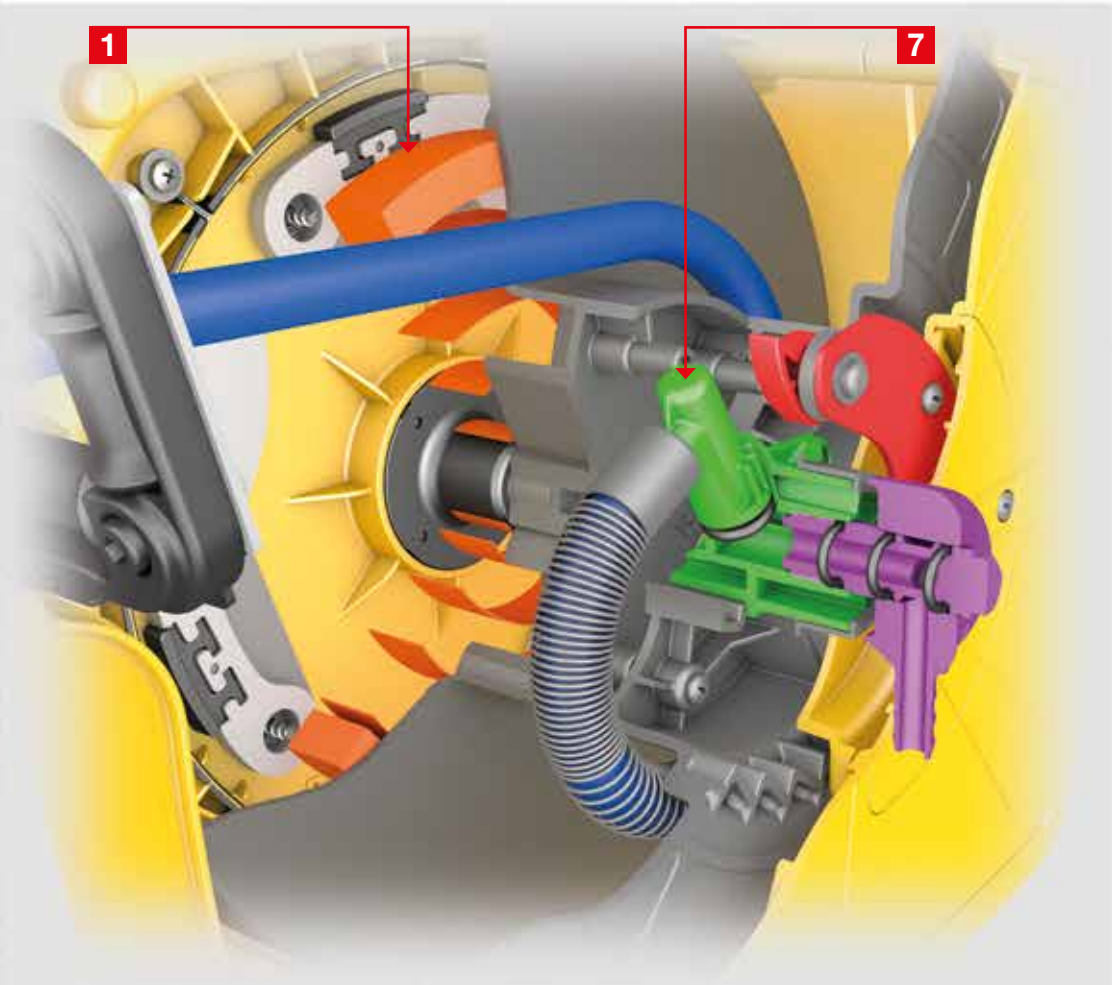
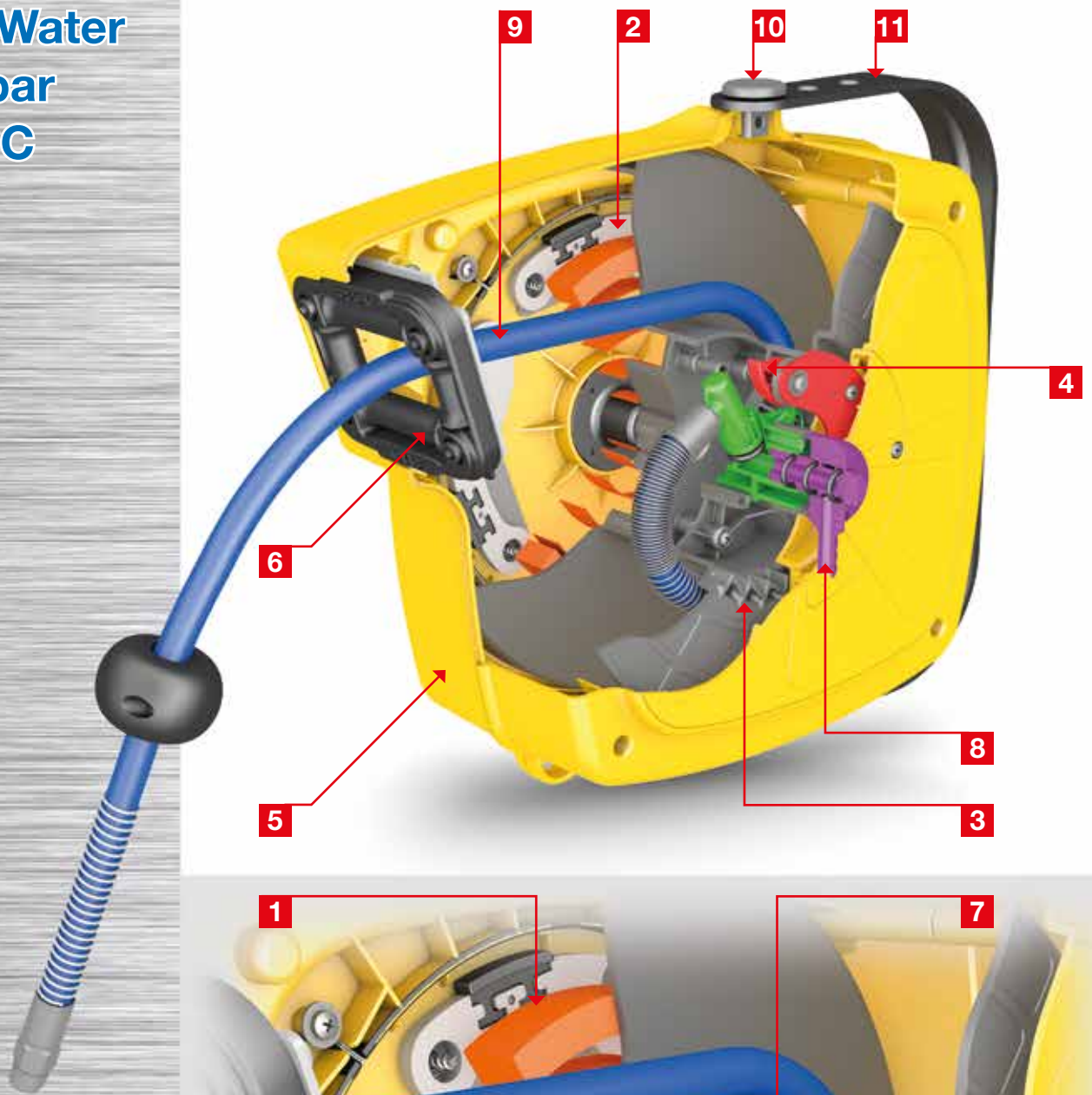
Overall dimensions STANDARD (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
12,3 ÷ 14,1	36	390 x 188 x 403

HOSE REELS

Air-Water
20 bar
40 °C



TECHNICAL CHARACTERISTICS



Guarantee and quality of the components are our priority!

1 SPRING

Rewinding spring totally protected from the external environment. The spring is subjected to a durability test of 20000 cycles (each cycle corresponds to the complete unwinding and rewinding of the hose) thus simulating an average life of over 10 years. Possibility to intervene to adjust the spring force increasing or decreasing the preload.

2 REWINDING CLUTCH

Optional, devoid of complex and potentially wearing kinematic motions, allows the rewinding of the drum at a safe speed.

3 STOPPING RACK

It has an increased width and reinforcement ribs ensuring greater durability and sturdiness.

4 PAWL

Of increased thickness with reinforcing ribs ensuring high stress resistance and durability.

5 STRUCTURE

Strong and compact made of highly resistant shockproof material mechanical, designed to withstand over time.

6 HOSE GUIDE WITH ROLLERS

Sturdy and resistant with reinforced steel interior. Wide width which allows to guide properly the hose for correct rewind. Equipped with 4 rollers, 2 arranged horizontally (above and below) and 2 arranged vertically (left and right) that reduce hose wear.

7 FITTINGS AND CENTRAL PIN

Built in suitable material to withstand harsh products (Delrin®) and with passages dimensioned so as to avoid flow resistance.

8 ENTRY ARTICULATION

With internal passage properly sized to the used pipes. The 90° fitting can be oriented in eight different positions, 45° equitably spaced to facilitate the connection of the inlet hose (supplied).

9 HOSE

Polyurethane hose with hose stop pad and outlet articulation that ease the use of the pneumatic equipment (inflating guns, screwers, etc.) to which it is connected. Two metal coils positioned at either end of the hose are a safe reinforcement to its structure.

10 SIDE CLUTCH

The bracket is equipped with a special clutch that controls the rotational speed on the right and on the left of the hose reels.

11 ADJUSTABLE BRACKET

Adjustable up to 90° per side, of a sturdy structure with loop fixing holes that facilitate wall mounting.

12 BAYONET BRACKET

The bracket with bayonet type quick coupling is available as optional and it allows an easier movement of the hose reels in the various workstations.



Hose reels series 280

Air-Water - 20 bar - 40 °C



enclosed in
shockproof
plastic
material



Colour:

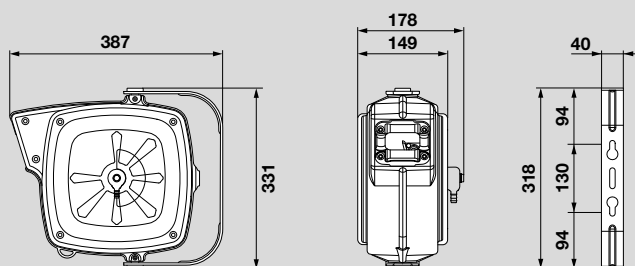


STANDARD

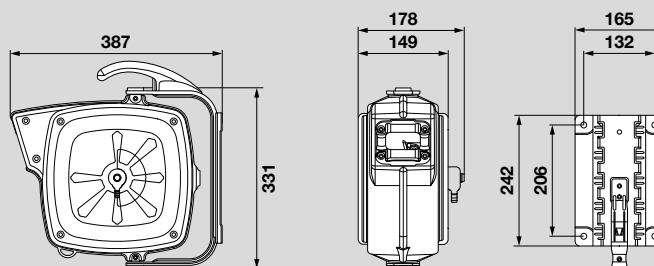


RAL 1004

Overall dimensions STANDARD (mm)



Overall dimensions WITH BRACKET (mm)



Weight (Kg)	No. packages per pallet	Packaging (mm)
6,0 ÷ 7,9	40	470 x 260 x 490

Weight (Kg)	No. packages per pallet	Packaging (mm)
7,3 ÷ 9,2	40	470 x 260 x 490

Usage environment
temperature: -5 ÷ +40 °C

Fixing bracket:
Fixed-Adjustable



STANDARD ARTICLES				
P/N standard	Hose length and ø	Coupling		Hose working temperature min/max
		inlet	outlet	
92808.101	10 m - 8 x 12 mm (971.110)	G 3/8" (m)	G 1/4" (m)	-15 ÷ +65 °C
92808.102	14 m - 8 x 12 mm (971.114)	G 3/8" (m)	G 1/4" (m)	-15 ÷ +65 °C
92808.105	8+1 m - 10 x 14,5 mm (972.109)	G 3/8" (m)	G 3/8" (m)	-15 ÷ +65 °C

ARTICLES WITH SPEED CONTROL				
P/N with speed control	Hose length and ø	Coupling		Hose working temperature min/max
		inlet	outlet	
92848.101	10 m - 8 x 12 mm (971.110)	G 3/8" (m)	G 1/4" (m)	-15 ÷ +65 °C
92848.102	14 m - 8 x 12 mm (971.114)	G 3/8" (m)	G 1/4" (m)	-15 ÷ +65 °C
92848.105	8+1 m - 10 x 14,5 mm (972.109)	G 3/8" (m)	G 3/8" (m)	-15 ÷ +65 °C

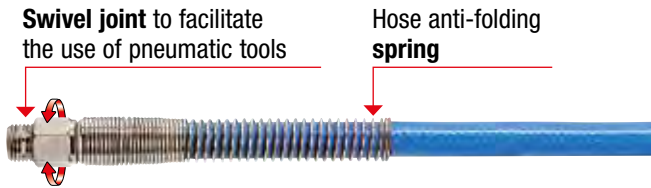
⚠ The following codes are considered devoid of bayonet bracket.

EQUIPPED WITH:

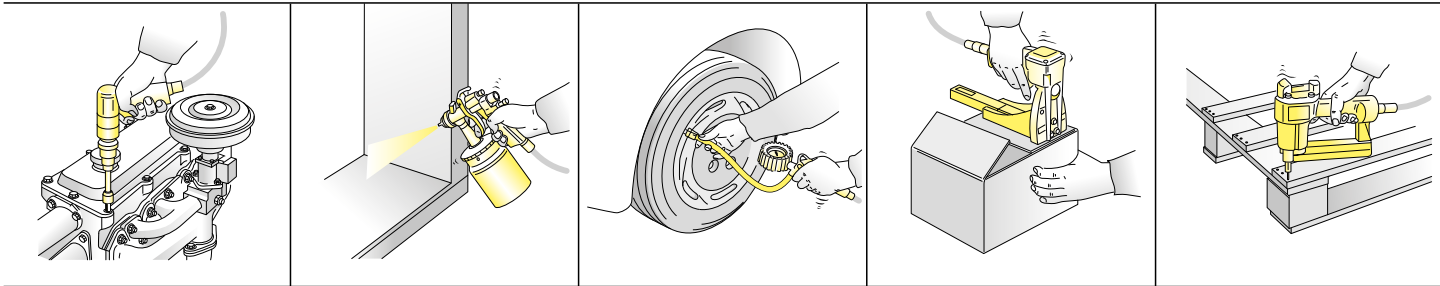
- hose outlet with swivel joint
- polyurethane hose (blue) with protection spring on fittings
- galvanized steel fittings
- brass joint
- seals in Viton®
- length in entrance 1,5 m



OUTPUT HOSE DETAIL



some examples of use



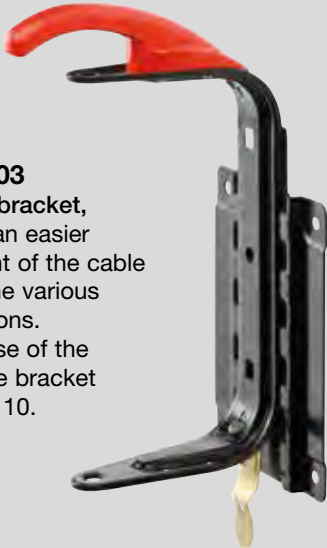
ACCESSORIES



SPEED CONTROL

The version equipped with a clutch that allows a cable rewinding at a controlled rate, is characterized by the plate.

P/N 89003
Bayonet bracket,
it allows an easier
movement of the cable
reels in the various
workstations.
For the use of the
adjustable bracket
see page 10.



P/N 89001
Wall bracket,
to buy
separately
in case you want
to create multiple
points for fitting
the hose reel
provided with
bayonet bracket.





SPECIFIC TESTS AND OVERALL TESTING



The spare parts catalogue advantages

With a complete, intuitive and competitive catalogue the cable reels maintenance is every day easier and more profitable.

strength points



LONG-TERM QUALITY

The availability of spare parts kits extends the product's lifetime, improving the investment over time.



IMMEDIATE MAINTENANCE, AT THE WORKING SITE

Kits are easy to install, they don't need the presence of specialized technicians and they can be used at the working place.



SIMPLE AND EFFICIENT

The already available spare parts kits simplify the purchase procedure and make the stock more efficient.



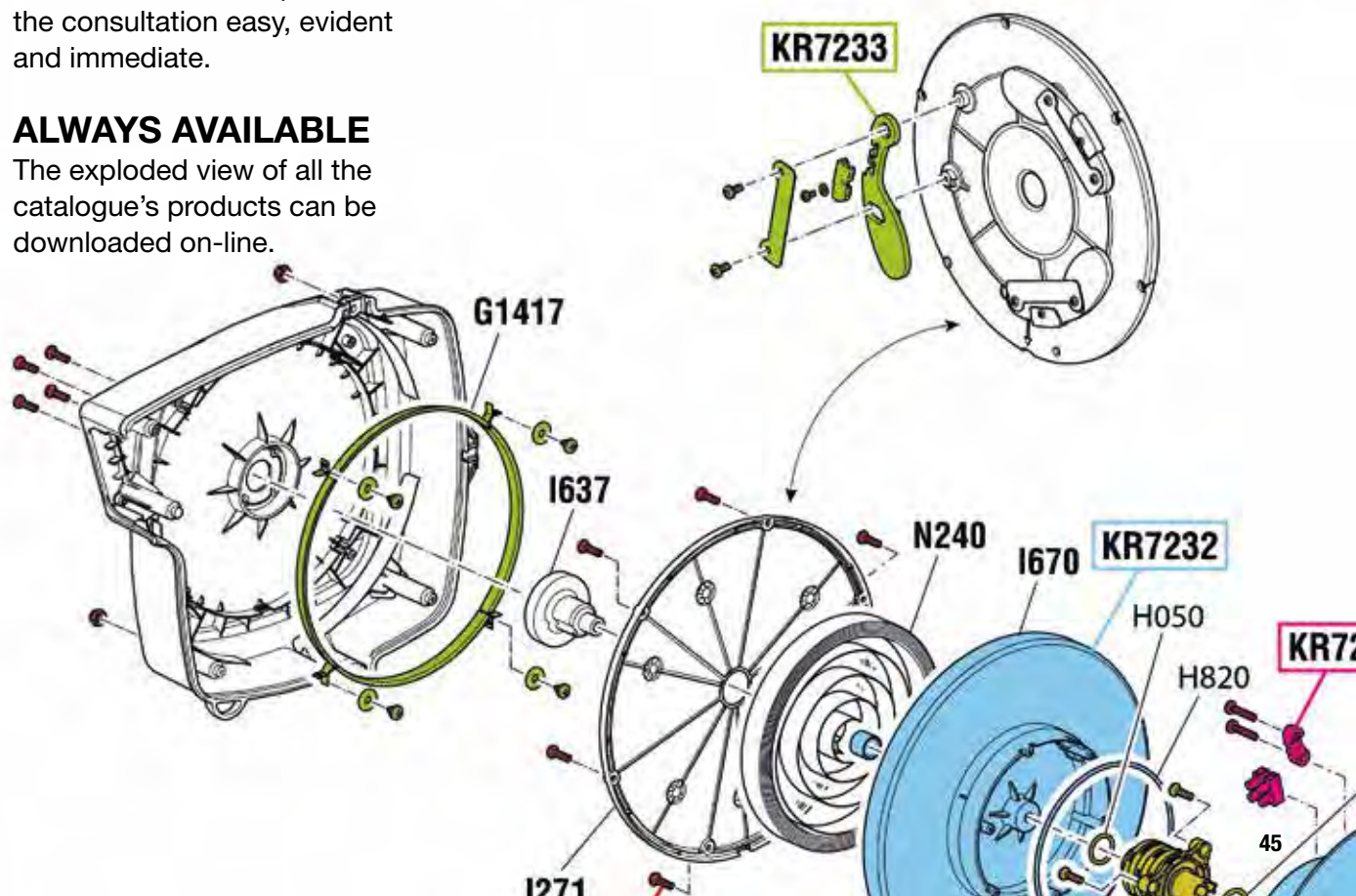
POWER TO THE COLOURS

The colours in the exploded view make the consultation easy, evident and immediate.



ALWAYS AVAILABLE

The exploded view of all the catalogue's products can be downloaded on-line.



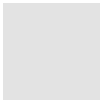
PRODUCT CUSTOMIZATION



RAASM offers the opportunity to order the products of its production in **2 different colours**. The customer **without the constraints of minimum quantity, nor additional costs**, can request the colour **choosing from the proposed range**. This customization concerns only the colour and **does not include**: instruction booklets, labels, brands, etc. **Delivery times for the colour that is not standard may vary**. Different colours, in addition to those available or other customizations, must be valued each time and will be bound to minimum quantities and additional costs.

AVAILABLE COLOURS

The products for which a customized colour is not specified, are supplied with standard grey colour as per catalogue

STANDARD COLOUR	AVAILABLE COLOURS
RAL 7035 	RAL 1004 

To order an item with a **different colour from the standard**, it is necessary to add the suffix:
/C2 for yellow colour **Ral 1004**

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THREE WORDS TO DESCRIBE RAASM

■ Technology

The starting point for the entire production cycle is the research and development of cutting-edge new solutions which lead to the development of **high quality products, fully produced in Italy.**



■ Quality

The quality of our product manufacturing has always been our absolute priority. To reach this goal rigorous testing accompanies every phase of the manufacturing process.



■ Functionality

RAASM offers the most complete range of lubrication products suited to many sectors. Our aim is to always be available to provide solutions to our customers.

