

# High Pressure Paint Pumps



**MAX**imum Durability, Versatility and Ease of use...

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**Binks MX Pumps are a completely new design in pump technology utilising patented magnetic detents to dramatically enhance smooth pump operation and change-over with no pulse to provide the best "surge free" paint delivery for the perfect finish.**

These MX pumps operate at 12:1, 31:1 and 32:1 ratio's with self adjusting spring loaded packings to extend the pump working life cycle and reduce the need for costly maintenance and downtime. The fluid sections and all wetted parts are constructed from the highest quality Stainless Steel for best fluid compatibility whilst providing a long and durable working life. MX pumps are fitted with an operator friendly control panel and include a quality easy to clean fluid filter as standard for reduced tip blockages.

**MX Pump features include:**

- Magnetic detent (patent) for quick stroke change over with no pulse
- Fully Stainless Steel wetted parts and fluid section
- Anti-stall no ice design
- Large sight glass for visual packing inspection
- Solvent cup keeps packings well lubricated
- Self adjusting spring loaded packings
- Divorced pump design – zero potential for paint to enter air motor
- Durable design for heavy duty long working life
- 5 year pump warranty (workmanship and materials)
- CE marked and fully ATEX approved.

**Quality Passport for Binks MX-Pumps:**

Modular construction – Reduced parts – Easy/Fast maintenance – Guaranteed high performance

- All wetted parts are Stainless Steel – Ideal for use with solvent & water based paints/materials
- Fixed, spring tension packing's – Lower maintenance and reduced running costs
- All valve seats are Tungsten Carbide – Long durable working life
- Piston is ultra-hard Chrome plated – Extra wear resistant and longer packing life
- Stainless Steel fluid filter inc. N.R. Valve – Prevents material blockages at the gun tip
- Pump packing's leather & Teflon (PTFE) mix. with option for pure Teflon (PTFE) or UHMWPE – Covers all Industrial applications
- CE marked and ATEX approved for all applications



Choose the Binks MX Pump Outfit for your application from the chart below:

Binks MX Pump outfit	MX 4/12 D-AL	MX 4/12 C-AL	MX 4/12 W-AL	MX 4/12 DB-AL	MX 4/12 P-AL	MX 4/12 D-AC	MX 4/12 C-AC	MX 4/12 W-AC	MX 4/12 DB-AC	MX 4/12 P-AC	MX 4/32 D-AL	MX 4/32 C-AL	MX 4/32 W-AL	MX 4/32 DB-AL	MX 4/32 P-AL	MX 4/32 D-AC	MX 4/32 C-AC	MX 4/32 W-AC	MX 4/32 DB-AC	MX 4/32 P-AC	MX 12/12 C-AL	MX 12/12 W-AL	MX 12/12 C-AC	MX 12/12 W-AC	MX 12/31 C-AL	MX 12/31 W-AL	MX 12/31 C-AC	MX 12/31 W-AC	
MX 4/12 Bare Pump	●	●	●	●	●	●	●	●	●	●																			
MX 4/32 Bare Pump											●	●	●	●	●	●	●	●	●	●	●								
MX 12/12 Bare Pump																						●	●	●	●				
MX 12/31 Bare Pump																										●	●	●	●
High pressure filter assy St St	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Pail Mounted				●					●				●						●										
Tripod Mounted	●		●		●		●		●		●		●		●		●		●		●								
Cart Mounted		●				●				●			●			●				●			●			●			
Wall Mounted		●					●					●					●				●			●					
Airless controls	●	●	●	●							●	●	●	●							●				●	●			
Air Assisted Airless controls					●	●	●	●	●							●	●	●	●	●				●	●				
St St metal suction pipe/filter	●			●	●				●	●				●	●				●	●	●	●	●	●	●	●	●	●	●
Flexible suction hose assy & filter	●	●				●	●				●	●				●	●				●			●	●				
Gravity Hopper (6 litre)			●					●					●					●											

Binks MX pump outfits are fully assembled, tested and ready to spray – Guns and hoses are NOT supplied with these packages:

## High Pressure Paint Pumps

### MX4/12 – Airless and Air Assisted Airless Packages

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Specification			
Ratio	12:1	Max. Operating Pressure	96 bar (1400 psi)
Max. Inlet Pressure	8.0 bar (120 psi)	Cylinder Diameter	55 mm
Flow Rate Nominal	1.5 l/m	Piston Stroke	75 mm
Flow Rate Max.	4.0 l/m	Air Consumption	120/800 l/min
Volume/Cycle	24 cm <sup>3</sup>		

Mounting types available: Pail/tripod/wall/cart and gravity hopper feed.



MX4/12 D-AC tripod mounted AAA outfit

### MX4/32 – Airless and Air Assisted Airless Packages

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Specification			
Ratio	32:1	Max. Operating Pressure	256 bar (3600 psi)
Max. Inlet Pressure	8.0 bar (120 psi)	Cylinder Diameter	85 mm
Flow Rate Nominal	1.5 l/m	Piston Stroke	75 mm
Flow Rate Max.	4.0 l/m	Air Consumption	120/800 l/min
Volume/Cycle	24 cm <sup>3</sup>		

Mounting types available: Pail/tripod/wall/cart and gravity hopper feed.



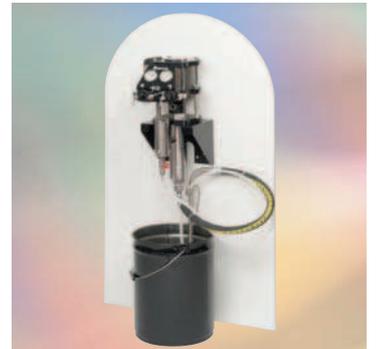
MX4/32 C-AC cart mounted AAA outfit

### MX12/12 – Airless and Air Assisted Airless Packages

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Specification			
Ratio	12:1	Max. Operating Pressure	96 bar (1390 psi)
Max. Inlet Pressure	8.0 bar (120 psi)	Cylinder Diameter	85 mm
Flow Rate Nominal	4.3 l/m	Piston Stroke	75 mm
Flow Rate Max.	12.0 l/m	Air Consumption	147/450 L/min
Volume/Cycle	72 cm <sup>3</sup>		

Mounting types available: Cart and wall.



MX12/12 W-AC wall mounted AAA outfit

### MX12/31 – Airless and Air Assisted Airless Packages

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Specification			
Ratio	31:1	Max. Operating Pressure	248 bar (3597 psi)
Max. Inlet Pressure	8.0 bar (120 psi)	Cylinder Diameter	140 mm
Flow Rate Nominal	4.3 l/m	Piston Stroke	75 mm
Flow Rate Max.	12.0 l/m	Air Consumption	498/850 L/min
Volume/Cycle	72 cm <sup>3</sup>		

Mounting types available: Cart and wall.



MX12/31 C-AC cart mounted AAA outfit

**Guns and hoses are not included in these packages: Select gun/hose packages on page 32.**



**MAXimum Paint Saving, Durability and Ease of use...**

**Binks Raptor MAX Air Assisted & Airless pump/gun outfits**

- Five Year pump warranty
- Magnetic detent design (patent) for quick stroke change over with no pulse
- Stainless Steel system – pump and gun
- Low cost spray tip replacement
- Modular design for reduced maintenance & down time
- Lower cost spares prices
- Self adjusting spring loaded packings
- Large sight glass for visual packing inspection

The Binks Raptor MAX range of tripod, cart and wall mounted Pump and Spray Gun packages feature the ALL NEW Binks Stainless Steel MX Pump line equipped with the ALL NEW Binks AA4400M Air Assisted Airless Spray Gun or Binks A3500 Airless Spray Gun. The Raptor MAX outfits have been designed to provide users with a low cost, robust industrial spray outfit, able to apply a wide range of industrial coatings and providing the very best quality of spray finish.

**Raptor MAX Pump Specification**

MX4/12 Ratio 12:1	4 litre per min max fluid delivery	Max operating pressure 96 bar
MX4/32 Ratio 32:1	4 litre per min max fluid delivery	Max operating pressure 256 bar
MX12/31 Ratio 31:1	12 litre per min max fluid delivery	Max operating pressure 248 bar

For further technical specification details please refer to relevant pump service bulletin

**Five year warranty on workmanship and materials on all Binks MX pumps**

- Raptor MAX Packages include:-** Binks MX Pump – Cart, Wall or Tripod mounted • Air and Fluid controls
- 25 litre Suction Hose (Cart and Wall) • 7.5 metre (25') Air (AAA only) and Fluid Hoses • H.P. Fluid Filter
  - AA4400M or A3500 (2 trigger) Airless Spray Gun and Tip (Tip size to be specified at time of order)
  - Gun mounted Fluid Filter.

Part Number	Mounting type	Technology	Ratio	1 off Gun	Hoses	Fixed tip (inc)
MX-0412T-AAA	Tripod	AAA	12:1	AA4400M	7.5M	Yes
MX-0412C-AAA	Cart	AAA	12:1	AA4400M	7.5M	Yes
MX-0412W-AAA	Wall	AAA	12:1	AA4400M	7.5M	Yes
MX-0412T-A	Tripod	Airless	12:1	A3500	7.5M	Yes
MX-0412C-A	Cart	Airless	12:1	A3500	7.5M	Yes
MX-0412W-A	Wall	Airless	12:1	A3500	7.5M	Yes
MX-0432T-AAA	Tripod	AAA	32:1	AA4400M	7.5M	Yes
MX-0432C-AAA	Cart	AAA	32:1	AA4400M	7.5M	Yes
MX-0432W-AAA	Wall	AAA	32:1	AA4400M	7.5M	Yes
MX-0432T-A	Tripod	Airless	32:1	A3500	7.5M	Yes
MX-0432C-A	Cart	Airless	32:1	A3500	7.5M	Yes
MX-0432W-A	Wall	Airless	32:1	A3500	7.5M	Yes
MX-1231C-AAA	Cart	AAA	31:1	AA4400M	7.5M	Yes
MX-1231W-AAA	Wall	AAA	31:1	AA4400M	7.5M	Yes
MX-1231C-A	Cart	Airless	31:1	A3500	7.5M	Yes
MX-1231W-A	Wall	Airless	31:1	A3500	7.5M	Yes

**Note:** Only these Raptor MAX outfits include guns & hoses as standard.

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Raptor MAX outfits include AA4400M spray gun



MX-0432T-AAA Raptor MAX tripod mounted outfit with gun, tip and hoses



MX-1231C-AAA Raptor MAX cart mounted outfit with gun, tip and hoses



MX-1231W-AAA Raptor MAX wall mounted outfit with gun, tip and hoses

**ST ST High Pressure Heater**

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- Cenelec Approved and CE marked – Approved for "Zone 1 & 2" Hazardous Zone situations
- Tried and tested for Conventional Air Spray, Air Assisted Airless and Airless Spray applications
- Low maintenance with simple operator friendly controls
- Stainless Steel – Suitable for most spray materials
- Size – 420mm (16.5") high X 190mm (7.5") deep X 120mm (4.75") wide
- Temperature range – 16°C to 121°C

Binks High Pressure Stainless Steel Fluid Heaters are fully CENELEC approved and CE marked to provide users with the perfect solution for heated spray applications with operating temperatures from 16°C to 121°C. Specification includes a thermostat and pre-set heat limiter to protect the heating element.

St St Max. WP 5000 psi., 345 Bar – Wall mounting bracket - Part no: 863000



Part no: 830003 – 240V-2kW

# High Pressure Paint Pumps

## BINKS HP Pump Range

- 5 Year Pump Warranty (Workmanship and materials)
- Fully Stainless Steel for use with water and solvent based materials
- Wide Pump Range available – for all markets and applications
- Very Competitively Priced – fast payback
- Tried & Tested design – over many years
- Low Noise levels, Highly efficient and economical air consumption
- Fully Assembled “Ready to Spray”
- “User friendly Controls” – Simple flushing and cleaning
- Manufactured to ISO9000, CE Marked and fully ATEX approved

### Features & Benefits:

- Hard Chromed Stainless Steel Fluid Sections with Self Adjusting Spring Loaded Packings - Reduced pump down time and Maintenance.
- Pump Packings - Leather/Teflon mix as standard (option for Teflon only)
- Tungsten Carbide Seats
- Dump Valve is integral part of Fluid Filter.

The Binks H.P. Range of Airless & Air Assisted Airless Spray outfits have been designed to provide sprayers with a very competitively priced, robust industrial assembly, able to apply a wide range of industrial coatings whilst providing the very best quality of sprayed finish. Outfits are available from 34:1 up to 66:1 ratio with outputs to suit most industrial applications. These Pumps are matched with Binks Airless and Air Assisted Airless Guns to provide the most versatile, robust, purpose outfits available anywhere today. The outfits are available in cart and wall mounting options. The Pumps are complete with a 5 Year Warranty.

**Three Stage Filtration!** - Stainless Steel Fluid Filter on the Pump outlet is included on all models as standard along with a Gun mounted fluid filter and Suction Hose filter.

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## HP6/34

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Pressure Ratio	Volume per Cycle	Free flow capacity	Operating Pressure max.	Air Consumption
34:1	38 cm <sup>3</sup>	6,0 l/Min	272 bar	120 to 1.200 L/Min

Mount type	Cart Pt. No.	Wall Pt. No.
Airless Outfit	0014-0634F-AL	0014-0634W-AL
Air Assisted outfit	0014-0634F-AC	0014-0634W-AC



HP6/34 cart mounted outfit

## HP25/48

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Pressure Ratio	Volume per Cycle	Free flow capacity	Operating Pressure max.	Air Consumption
48:1	150 cm <sup>3</sup>	25,0 l/Min	384 bar	600 to 2.650 L/Min

Mount type	Cart Pt. No.	Wall Pt. No.
Airless Outfit	0014-2548F-AL	0014-2548W-AL



HP25/48 cart mounted outfit

# High Pressure Paint Pumps

## HP6/60

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Pressure Ratio	Volume per Cycle	Free flow capacity	Operating Pressure max.	Air Consumption
60:1	38 cm <sup>3</sup>	6,0 l/Min	390 bar	120 to 1.200 L/Min

Mount type	Cart Pt. No.	Wall Pt. No.
Airless Outfit	0014-0660F-AL	0014-0660W-AL



HP6/60 wall mounted outfit

## HP20/66

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Pressure Ratio	Volume per Cycle	Free flow capacity	Operating Pressure max.	Air Consumption
66:1	115 cm <sup>3</sup>	18,5 l/Min	429 bar	600 to 2.650 L/Min

Mount type	Cart Pt. No.	Wall Pt. No.
Airless Outfit	0014-2066F-AL	0014-2066W-AL



HP20/66 cart mounted outfit

Note: All Binks H.P. Pump outfits exclude Gun & hoses etc. (Except Raptor Max outfits).

### HP Pump Outfit Airless - includes:-

Pump Assembly Includes	HP 6/34	HP 25/48	HP 6/60	HP 20/66
Filter	Type 3	Type 11	Type 11	Type 11
Filter Suction System	59 mm	59 mm	140 mm	140 mm
Pressure Regulator	1/2"	R 1" Combi	R 1" Combi	R 1" Combi
Suction Hose System Cart/Wall	NW 20	NW 25	NW 20	NW 25
Suction Hose System Tripod/Pail	NW 20	-	-	-

### HP Pump Outfit AAA - includes:-

Pump Assy Includes	HP 3/28	HP 6/34
Filter	Type 1	Type 3
Filter Suction System	59 mm	59 mm
Pressure Regulator	AC 3/8"	AC Regulator
Suction Hose System Cart/Wall	NW 13	NW 20
Suction Hose System Tripod/Pail	NW 9	NW 20

### Accessories

HP Outlet Filter Type	Part Number
Type 1	0114-013525
Type 3	0110-009130
Type 11	0114-011760



Suction Hose assembly	Pt. No.
NW 9 Tripod	0114-014682
NW 9 Pail	0114-014684
NW 13	0114-018933
NW 20 Tripod	0110-011726
NW 20 Pail	0114-016023
NW 20 Cart/Wall	0114-014844
NW 25	0114-013563



Air Regulators	Pt. No.
Airless 3/8"	0114-013531
Airless 1/2"	0110-009348
AAA/AC 3/8"	0114-009350
AAA/AC 1/2"	0110-011745
R 1" Combi	0114-016033

Further Accessories available • Repair Kit (Air Motor / Material Pump) • Seal Kit (Air Motor / Material Pump). See the HP Pump Service Bulletin.

### Airless and Air Assisted Airless gun/hose/tip packages

Part number for gun/hose/tip kits - for use with standard Binks MX & HP pump outfits:

<b>AA4400M-75</b>	AA4400M Air Assisted Airless Spray Gun with air cap, tip and 7.5 metre Air/Fluid Hose
<b>A3500-2-75†</b>	A3500 Airless gun with 2 finger trigger with twist tip attachment, tip and 7.5 metre Airless Hose
<b>A3500-4-75†</b>	A3500 Airless gun with 4 finger trigger with twist tip attachment, tip and 7.5 metre Airless Hose
<b>A7500-2-75*</b>	A7500 Airless gun with 2 finger trigger with twist tip attachment (no tip) and 7.5 metre Airless Hose
<b>A7500-4-75*</b>	A7500 Airless gun with 4 finger trigger with twist tip attachment (no tip) and 7.5 metre Airless Hose

†Supplied with tip 9-517-35 \*Order tip separately



Part No: A4400M-75 gun, hose and tip package



Part No: A3500-2-75 gun, hose and twist tip package (inc. tip)



Part No: A7500-2-75 gun, hose and twist tip package (no tip)