

# BINKS MX 12/12 & 12/31

**BINKS®**

*Air operated Air Assisted and Airless reciprocating 2 ball paint pumps*

Binks MX12/12 and MX12/31 Air Assisted Airless & Airless pumps have the pumping power and fluid delivery capacity for all of those heavy duty applications in general industry.



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 and 31:1 ratios delivering 12 litres per minute output (max) 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.

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Magnetic detent (patent) for quick stroke change over with no pulse

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Fully Stainless Steel wetted parts and fluid section

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Anti stall no ice design

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Large sight glass for visual packing inspection

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Solvent cup keeps packings well lubricated

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Self adjusting spring loaded packings

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Divorced pump design – zero potential for paint to enter air motor

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Durable design for heavy duty long working life

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CE marked and fully ATEX approved

## Typical Applications

- Joinery/Furniture & woodworking
- Skips and dumpsters
- Off Road Vehicles
- Metal Fabrications
- Truck/Trailer & Chassis makers
- Aerospace & Aviation
- Plus many others...

## Suitable for these materials

- Solvent OR Waterborne coatings
- Wood-Stains, Lacquers & Varnishes
- Primers, Sealers & Catalysed Lacquers
- Enamels & Polyurethane's
- Plus many others...

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**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 and 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 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 PTFE/UHMWPE mix with options for other types – Covers all Industrial applications
- CE marked and ATEX approved for all applications.

Specifications	MX 12/12	MX 12/31
Ratio	12:1	31:1
Max. Inlet Pressure	8.0 bar (116 psi)	8.0 bar (116 psi)
Flow Rate Nominal	4.3 l/min	4.3 l/min
Flow Rate Max.	12.0 l/min	12.0 l/min
Volume/Cycle	72 cm <sup>3</sup>	72 cm <sup>3</sup>
Max. Operating Pressure	96 bar (1390 psi)	248 bar (3595 psi)
Cylinder Diameter	85 mm	140 mm
Piston Stroke	75 mm	75 mm
Air Consumption @ 20 cycles/min	147 l/min	498 l/min



Easy to use controls



**Example of MX pump part numbering:- MX12/31C-AC means...**

- MX = pump type
- 12 = 12 LPM max flow rate
- 31 = pump ratio
- C = cart mounted
- AC = Air assisted Airless - Air Controls

Binks MX Pump outfit Contents and Part Numbers	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
Bare Pump MX 12/12	▪	▪	▪	▪				
Bare Pump MX 12/31					▪	▪	▪	▪
High Pressure Filter Stainless Steel	▪	▪	▪	▪	▪	▪	▪	▪
Cart Mounted	▪		▪		▪		▪	
Wall Mounted		▪		▪		▪		▪
Airless Controls 3/8"	▪	▪			▪	▪		
Air Assisted Airless Controls 3/8"			▪	▪			▪	▪
Flexible suction hose assy and filter	▪	▪	▪	▪	▪	▪	▪	▪

Binks MX pump outfits are fully assembled, tested and ready to spray – Guns and hoses are NOT supplied with these packages.  
 \*All Airless outfits will be provided with Air Assisted Airless Controls.



**BINKS MX SERIES 5-YEAR WARRANTY**

Binks® warrants to the original end-use purchaser that the Binks branded products “MX” shall not fail under normal use and service due to a defect in material or workmanship within five (5) years from the date of shipment from Binks. Does not include normal wear and tear parts.

For further technical information refer to the Binks MX12/12 & MX12/31 Service Bulletins.

**Sales and Service through our Global Network of Industrial Distributors**

Finishing Brands Locations

- Americas: **USA** ▪ **Mexico** ▪ **Brazil**
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- Pacific Rim: **China** ▪ **Japan** ▪ **Australia**



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