

**MX**  
SERIES

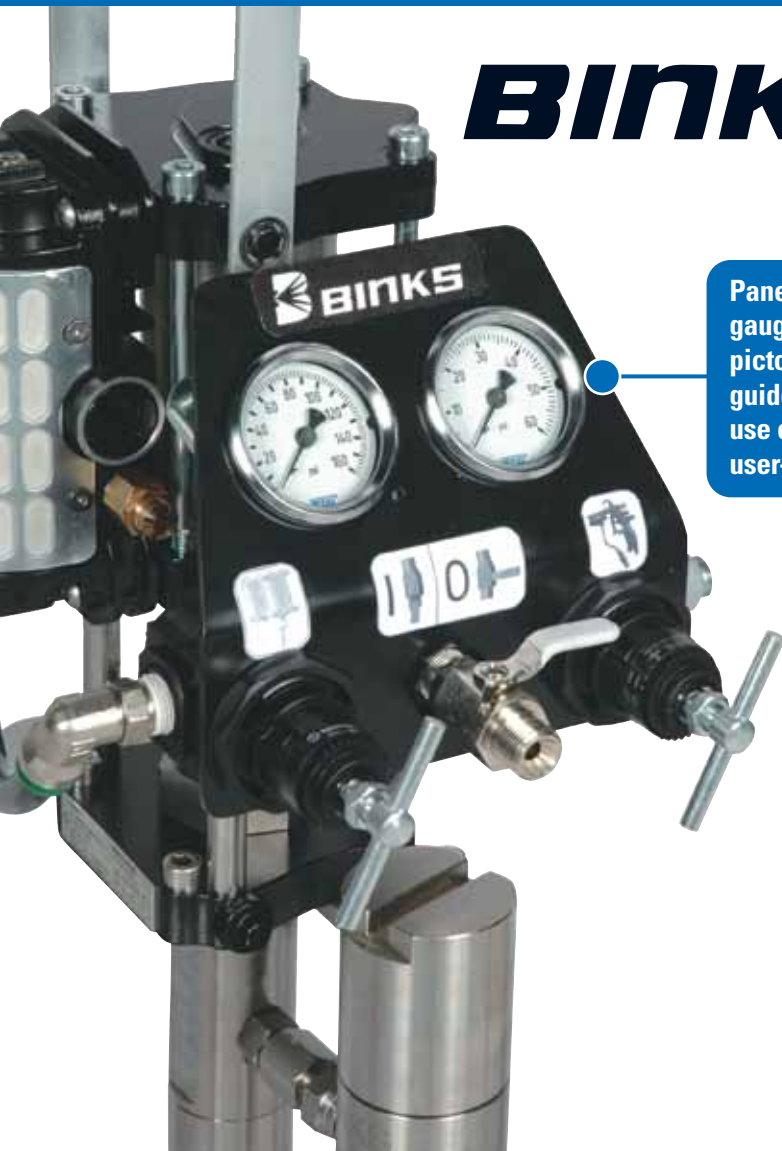
# Piston Pump



BINKS MX SERIES. TAKE IT TO THE MAX.

*Ideal for single gun air assisted airless spray applications  
with thin to medium viscosity materials*

# BINKS **MX** SERIES



Panel mounted gauges and pictorial guides make use easy and user-friendly

The **BINKS MX** pump uses magnetic detent spool valve and quick dump air valve technologies to provide a fast acting, responsive air motor.

Coupled with a durable, hard chrome plated stepped rod fluid section, the **BINKS MX** pump switches over at low pressures. This lets you operate with less atomizing air at your spray gun. This leads to less overspray and reduced coating consumption.

The **BINKS MX** pump is ideal for waterborne or solventborne coatings, from thin to medium viscosities.

The **BINKS MX** pump gives you maximum efficiency, maximum durability, maximum ease-of-use, and maximum versatility.

## **MX** Pump Outfits get you spraying!



MX4-12 Cart mounted outfit



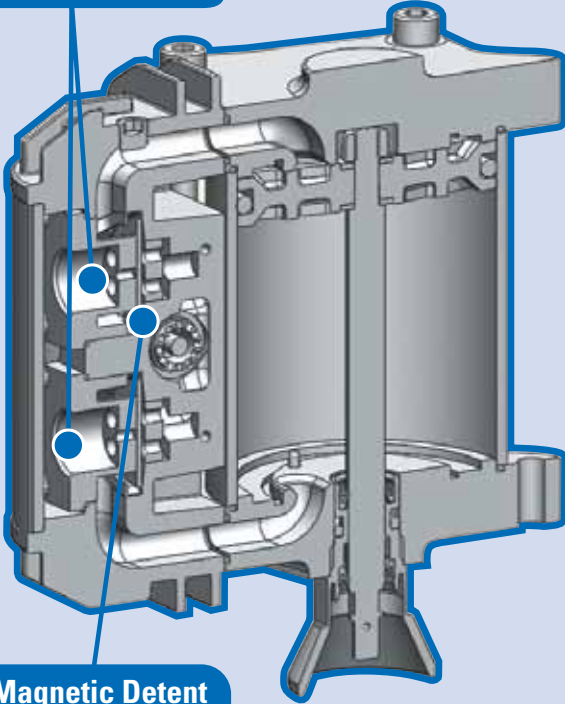
MX4-12 Wall mounted outfit



MX4-32 Tripod mounted outfit

# The **MX** SERIES takes it to the **MAX**!

Quick Dump Valves



Magnetic Detent Spool Valve

## **MAX**imum Efficiency!

- Magnetic Detented Spool Valve design (patent pending) switches over with less energy than traditional spring designs.
- Quick Dump Valve technology exhausts air quickly for a quick pump switchover.
- Go Green! Air Motor switches over at low pressures with very little "wink". Minimize your air assisted airless gun's shaping air to get more of your coating on target and less overspray.

## **MAX**imum Versatility!

- Typical Coatings: Stains, Sealers, Topcoats, Conversion Varnishes, PTSA Catalyzed materials. Waterborne or Solventborne.
- Typical Substrates: Wood Furniture, Cabinets.

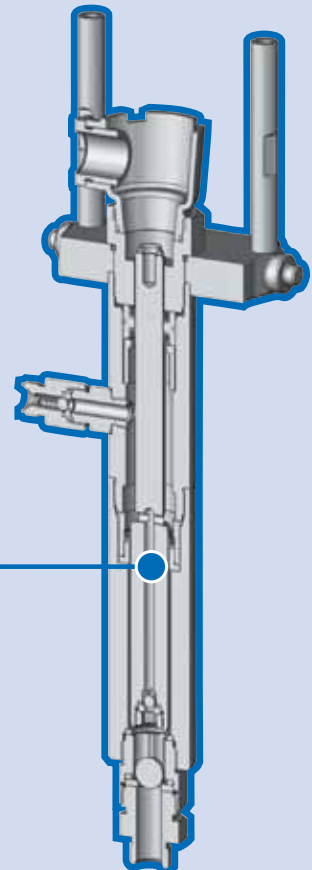
## **MAX**imum Durability!

- Non-Lubricated Spool Valve is stall resistant even with dirty and wet air.
- Balanced stepped rod fluid section with hard chromed surface minimizes wear and maximizes time-between-rebuilds.
- Semi-enclosed throat seal keeps out debris, yet won't contaminate air motor if seal leaks.

## **MAX**imum Ease-of-Use!

- Panel Mounted Air Controls are simple to use.
- Sight glass on upper seal lubricant reservoir enables easy inspection of upper seal integrity.

Balanced, hard chrome plated stepped rod pump



# 0.4 GPM at 60 Cycles/Min 12:1 or 32:1

**Our low pulse design enables lower shaping air pressures for better transfer efficiency.**



Magnetic Detent spool valve (patent pending) and quick dump air valves enable air motor to switch over quickly.

Balanced, stepped rod fluid section with hard chromed surface minimizes wear and maximizes time-between-rebuilds.

	MX4-12	MX4-32
Pressure Ratio	12:1	32:1
Flow Rate at 60 cycles per minute	0.4 GPM (1.5 l/min)	
Displacement per cycle	0.81 oz (24 cm <sup>3</sup> )	
Inlet Fluid Connection	1/2" NPS(m)	
Outlet Fluid Connection (Pump)	3/8" NPS(m) or BSP(m)	
Outlet Fluid Connection (Filter)	1/4" NPS(m) or BSP(m)	
Air Connections	1/4" NPS(m) or 3/8" NPS(m)	
Wetted Materials	Stainless Steel, Hard Chrome, Nylon, PTFE, UHMWPE, WC	
Max Fluid Pressure with included air motor	1,390 psi (96 bar)	3,720 psi (256 bar)
Air Consumption at 20 cycles per minute	2.5 SCFM	7.1 SCFM
Noise	88 dB	92 dB
Max Air Inlet Pressure	116 psi (8 bar)	
Max Recommended Continuous Cycle Rate	Up to 20 Cycles/minute	

**Use the ordering matrix below for *MAX*imum versatility!**

**Choose the pump and options you want.**

For example, MX4-12-1111125 designates a MX4-12 pump with air control, complete gun, U-cup seals, cart mounted, 5-gal siphon, filter, and hoses.

	Fluid Section	Pressure Ratio	Air Control	Spray Gun	Seal	Mounting	Siphon	Outlet Filter	Hose & Whip
<b>MX 4-12</b>	MX4- = 0.4 GPM @ 60 CPM	12- = 12:1	1 = Air Assist	0 = None	1 = U-Cup (UHMWPE)	1 = Cart	0 = None	0 = None	00 = None
				1 = AA1500 Gun with 114-01310 tip and A10 air cap	2 = Packing (PTFE & Leather) 3 = Packing (PTFE)	2 = Wall 3 = Tripod	1 = 5 Gal. 2 = 55 Gal.	1 = 100 Mesh	25 = 25' Fluid Hose w/3' Whip and 28' Air Hose

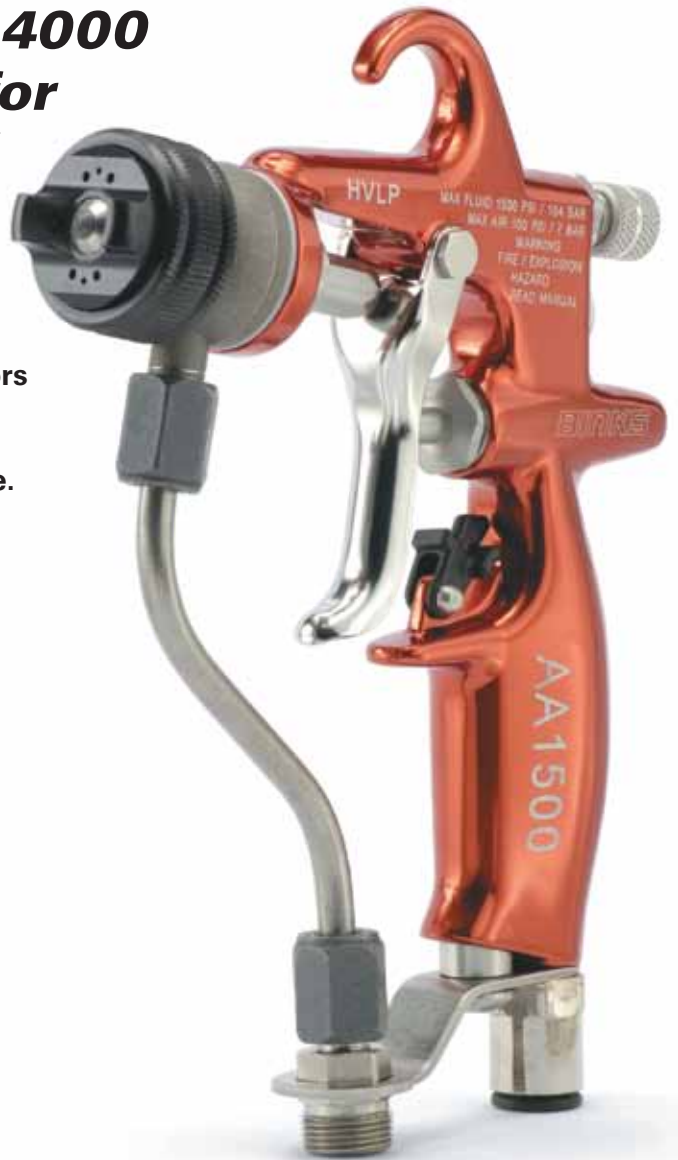
	Fluid Section	Pressure Ratio	Air Control	Spray Gun	Seal	Mounting	Siphon	Outlet Filter	Hose & Whip
<b>MX 4-32</b>	MX4- = 0.4 GPM @ 60 CPM	32- = 32:1	1 = Air Assist	0 = None	1 = U-Cup (UHMWPE)	1 = Cart	0 = None	0 = None	00 = None
				1 = AA4000 Gun with 114-01310 tip and A10 air cap	2 = Packing (PTFE & Leather) 3 = Packing (PTFE)	2 = Wall 3 = Tripod	1 = 5 Gal. 2 = 55 Gal.	1 = 100 Mesh	25 = 25' Fluid Hose and 25' Air Hose

# Choose an AA1500 or AA4000 Air Assisted Airless gun for **MAXimum** performance!

## A superior finish with reduced overspray and VOC emissions.

Binks Air Assisted Airless Spray Guns allow operators to use lower fluid and air pressure than the competition to achieve a superior finish. Cartridge needle and packing set make for quick maintenance. AA1500 and AA4000 guns give you:

- Better transfer efficiency and less overspray
- A softer spray pattern
- Less bounceback
- Lower booth maintenance costs
- Longer life on wear parts



PART NO.	SIZE	FAN WIDTH*
114-00702	.007	1" - 2"
114-00704	.007	2" - 4"
114-00706	.007	4" - 6"
114-00708	.007	6" - 8"
114-00902	.009	1" - 2"
114-00904	.009	2" - 4"
114-00906	.009	4" - 6"
114-00908	.009	6" - 8"
114-00910	.009	8" - 10"
114-00912	.009	10" - 12"
114-01104	.011	2" - 4"
114-01106	.011	4" - 6"
114-01108	.011	6" - 8"
114-01110	.011	8" - 10"
114-01112	.011	10" - 12"
114-01114	.011	12" - 14"
114-01304	.013	2" - 4"
114-01306	.013	4" - 6"
114-01308	.013	6" - 8"
114-01310	.013	8" - 10"
114-01312	.013	10" - 12"
114-01314	.013	12" - 14"
114-01316	.013	14" - 16"
114-01506	.015	4" - 6"
114-01508	.015	6" - 8"
114-01510	.015	8" - 10"
114-01512	.015	10" - 12"
114-01514	.015	12" - 14"
114-01516	.015	14" - 16"
114-01518	.015	16" - 18"

COATING	TYPICAL† VISCOSITY	ORIFICE TIP SIZE	Most appropriate pump to support single gun spraying	
Wash Primer	Very Thin	0.009" or 0.011"	<b>MX 4-12 or MX 4-32</b>	
Dyes	Very Thin	0.009" or 0.011"		
Stains	Very Thin	0.009" or 0.011"		
Solvents	Very Thin	0.009" or 0.011"		
Sealers	Thin	0.013" or 0.015"		
Lacquers	Thin to Medium	0.013" or 0.015"		
Primers	Thin	0.013" or 0.015"		
Ink	Thin	0.013" or 0.015"		
Zinc Chromate	Thin	0.013" or 0.015"		
Synthetics	Medium	0.015" and above		Call to discuss application
Enamels	Medium	0.015" and above		
Varnishes	Medium	0.015" and above		

\*Based on 1,000 psi with water.

†Actual results may vary, depending on material viscosity.

**Always keep genuine Binks Repair Kits and Replacement Parts on hand to keep your **BINKS MX** Pump operating at peak efficiency.**

Repair Kits and Replacement Parts	MX 4-12	MX 4-32
Air Motor Seal Kit (seals only)	0115-010216	0115-010217
Air Motor Repair Kit (seals and wear items)	0115-010214	0115-010215
Seal Kit (UHMWPE U-Cup) (seals only)	0115-010219	
Seal Kit (UHMWPE U-Cup) (seals and wear items)	0115-010220	
Seal Kit (PTFE/Leather Packings) (seals only)	0115-010221	
Repair Kit (PTFE/Leather Packings) (seals and wear items)	0115-010222	
Seal Kit (PTFE Packings) (seals only)	0115-010223	
Repair Kit (PTFE Packings) (seals and wear items)	0115-010224	
Seal Kit (UHMWPE/PTFE) (seals only)	0115-010225	
Pump Rod	0115-010063	
Repair Kit for Regulators	0115-010228	
Throat Seal Lubricant (for Solventborne Coatings)	0114-009433	
Throat Seal Lubricant (for Waterborne Coatings)	0114-014871	

**Full parts sheets are available from Binks for your reference.**  
**Just call toll free: 800-992-4657**

Description	Document Number
MX4-12 Bare Pump Assemblies	77-2906
MX4-32 Bare Pump Assemblies	77-2907
MX4-12 Systems and Operating Instructions	77-2912
MX4-32 Systems and Operating Instructions	77-2913



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