

BINKS MX SERIES

Air Assist Airless Piston Pumps

FLUID HANDLING



Ideal for air assist airless spray finishing,
supporting 1 to 2 spray guns,
with thin to medium viscosity coatings.



BINKS MX Series

Air Assist Airless Piston Pumps

Binks MX Pumps are a completely new design in air operated pump technology utilizing a patented magnetic detents to provide fast changover with virtually no pulsation. The result is paint, delivery with less pulsation for a more consistent finish.

The MX Medium pressure pumps are available in the ratios of 12:1 and 32:1 with outputs of 0.4 GPM or 1.2 GPM. The MX piston are ceramic coated which is the most durable surface available for resisting wear from abrasive materials.



COATING TYPES AND APPLICATIONS

- Wood-Stains, Lacquers & Varnishes
- Primers and Sealers
- Solvent and Waterborne coatings
- Enamels and Polyurethanes



WOODWORKING



AEROSPACE



AGRICULTURAL AND OFF ROAD




MARINE INDUSTRY



TRUCK AND BUS

BINKS MX SERIES FEATURES

COMPARISON TO MAJOR PUMP MANUFACTURER	STANDARD	COMPETITION*
Long Lasting Ceramic Coated Piston Rods Resists wear from highly abrasive fluids and lasts up to 3X longer than hard chrome	X	NO
Low/No Ice Operate 2.5X longer than the competition	X	NO
Patented Air Valve Technology Enables pump to change over quickly without pulsing	X	NO
Lubricant Free Air Motor and Valve Design Reduces Maintenance and simplifies operation	X	NO
5 Year Limited Warranty 	X	NO

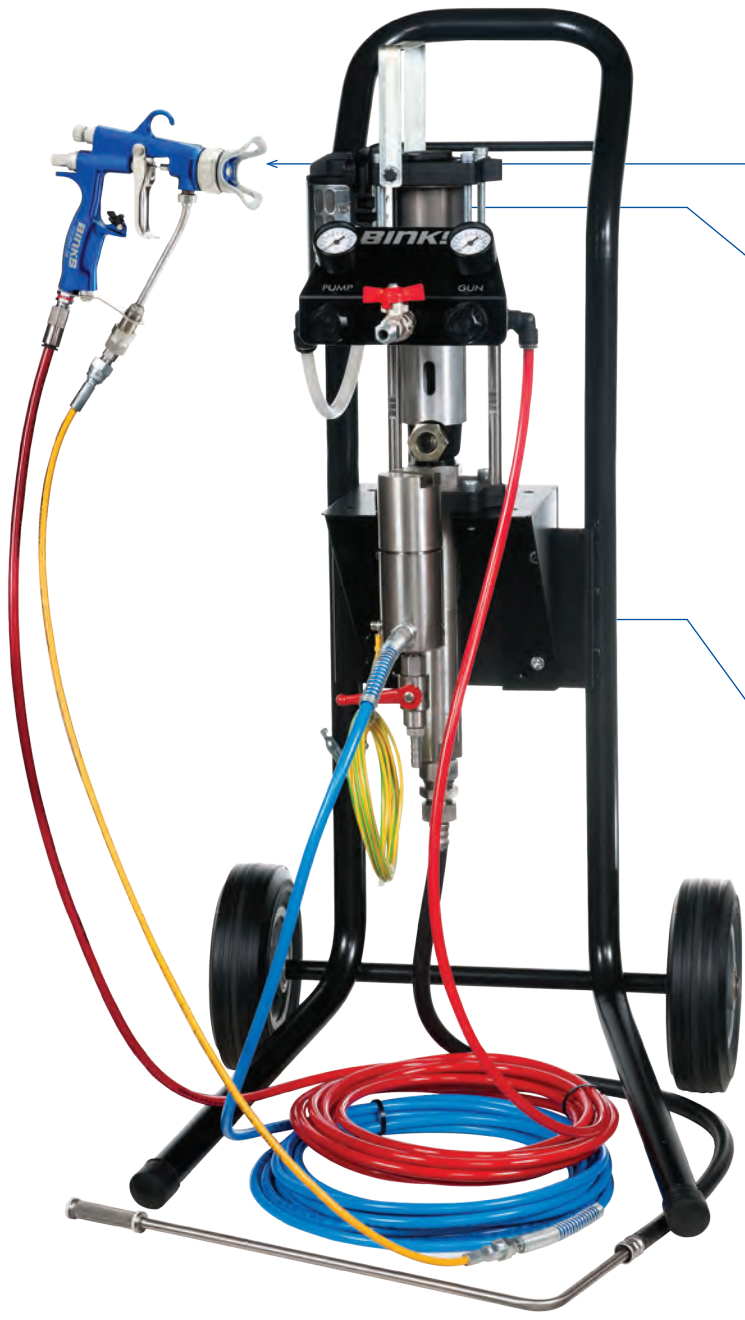
* Comparison to major airless pump manufacturer



MX pumps are designed to operate at longer intervals in between repairs and reduce the overall cost of ownership

BINKS MX Series

Air Assist Airless Piston Pumps



Shown: Binks MX 1231 cart-mount outfit with Trophy AA 1600 gun, 5-gallon siphon, filter, 25" hose

Trophy AA 1600 Air Assist Airless gun

Patented Anti-Stall Magnetic Detent Technology with quick exhaust valves for uninterrupted products

Stainless Steel Housing with Ceramic Coated Piston Rod reduces wear to increase pump life

BINKS MX SERIES FEATURES

PUMP	MX412	MX432	MX1212	MX1231
Ratio	12:1	32:1	12:1	31:1
Max Inlet Pressure	116 psi (8 bar)	116 psi (8 bar)	116 psi (8 bar)	116 psi (8 bar)
Flow Rate at 60 cycles	0.4 gpm	0.4 gpm	1.2 gpm	1.2 gpm
Volume cycle	0.8 oz (24cc)	0.8 oz (24cc)	2.4 oz (71cc)	2.4 oz (71cc)
Max Fluid Pressure	1,390 psi	3,712 psi	1,390 psi	3,596 psi
Air Consumption at 20 cycles/min	2.2 SCFM	5.2 SCFM	5.2 SCFM	17.6 SCFM

PUMP ACCESSORIES AND SPARE PARTS

	MX412	MX432	MX1212	MX1231
Flat Tip gun	1600-HF1310	4400-HF0000	1600-HF1310	4400-HF0000
Twist Tip Gun	1600-HT0613	4400-HT0000	1600-HT0613	4400-HT0000
5 Gallon Siphon	41-17260	41-17260	41-17262	41-17262
55 gallon Siphon	0115-010381	0115-010381	0115-010381	0115-010381
Filter 100 mesh	0115-010326	0115-010326	0115-010326	0115-010326
Filter 200 mesh	0115-010630	0115-010630	0115-010630	0115-010630

Air Motor Spares				
Repair Kit	0115-010214	0115-010215	0115-010215	0115-010301
Seal Kit	0115-010216	0115-010217	0115-010217	0115-010302
Valve Kit	0115-010226	0115-010226	0115-010226	0115-010226
Hardware kit	0115-010213	0115-010213	0115-010213	0115-010300

MX Lite Part Numbers	
MX412UC-OLT0000	MX412UC pump with air control tripod mount
MX412UC-QLT0S25	MX412UC pump with Trophy AA 1600 gun, air control, tripod mount, 5-gal siphon, 25' hose
MX412UC-OLW0000	MX412UC pump with air control wall mount
MX412UC-QLW0S25	MX412UC pump with Trophy AA 1600 gun, air control, wall mount, 5-gal siphon, 25' hose
MX412UC-QLC0S25	MX412UC pump with Trophy AA 1600 gun, air control, cart mount, 5-gal siphon, 25' hose

MX SERIES ORDERING INFORMATION

MX1231 Pump with 1.2 gpm fluid section, 31:1 ratio, U-Cup packing, AA4400M flat tip, Dual Air Control, Cart Mount, Stainless Steel filter, 5 gallon siphon, and 25" hose

A / **B** / **C** / **D** / **E** / **F** / **G** / **H** / **I**
MX 12 | **31** | **UC** | **-T** | **D** | **C** | **1** | **5** | **25**

- A / OUTPUT**
4 = 0.4 gpm
12 = 1.2 gpm
- B / RATIO**
12 = 12:1
31 = 31:1
32 = 32:1

- C / PACKINGS**
PP = PTFE Packings
PU = PTFE/UHMWPE
UC = UHMWPE
 U-Cup Seals

- D / GUN**
O = None
P = Airless 75/Flat Tip
Q = Trophy AA 1600M/Flat Tip
R = Trophy AA 1600M/Twist Tip
T = Trophy AA 4400M/Flat Tip
U = Trophy AA 4400M/Twist Tip

- E / AIR CONTROL**
D = Dual Air Control
- F / MOUNTING**
O = None
C = Cart
T = Tripod
W = Wall

- H / SIPHON**
O = None
S = 5 gallon Siphon
T = 55 gallon Siphon
- I / HOSE**
00 = None
25 = 25' Hose
50 = 50' Hose



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 please refer to the Binks MX manual.



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BINKS DX70 Diaphragm Pumps

FLUID HANDLING



High Performance
Pump Packages With Built
In Fluid Regulator



BINKS DX70

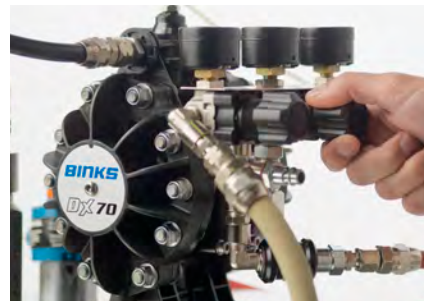
Diaphragm Pumps

The Binks DX70 is the perfect solution for one gun spray applications with faster color changes and quick refills for less production downtime.

Binks DX70 Air Operated 1:1 Ratio Diaphragm Pump

- The pump features a unique diaphragm no-crease shape for a long life. The DX-70 also includes a built in fluid regulator which ensures a constant and virtually pulse free fluid delivery for direct feed to spray guns. This design reduces the cost and complexity of additional fluid regulators or surge chambers.

The “built in” fluid regulator provides easily adjustable surge free paint flow. This feature costs extra on competitive models.



DX70R3-CFG Cart mounted pump with 1.4 gal (6L) gravity bucket feed, filter and three air controls.



DX70R3-WF Wall mounted pump with paint filter and three air controls (*Pail not included*).



DX70R3-TF Tripod mounted pump outfit with three air controls.



DX70R3-PFA Pail mounted pump with agitator, filter and three air controls (*Pail not included*).

- Air Valve provides smooth, quiet and surge free paint delivery up to 34 fl. Oz/min (1000 cc/min)
- Acetal Pump Body with Stainless Steel balls and soft seats allow for universal paint compatibility for solvents and water based materials
- The DX-70 is 1:1 diaphragm pump designed for supply of paints and materials to spray gun and fluid transfer applications.

COATING TYPES AND APPLICATIONS

- Solvent Based Materials
- Water Based Materials
- Stains, Lacquers, Varnishes
- Sealers and Undercoats
- Plus Many others



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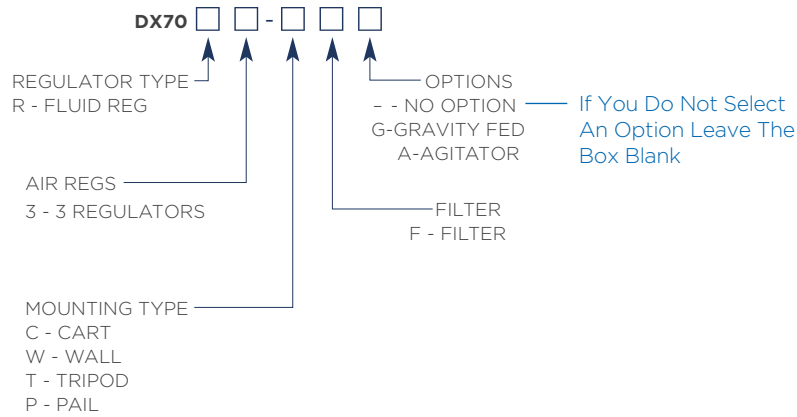
TRUCK AND BUS

BINKS DX70

Diaphragm Pumps

Pump Packages

Pump Package (no gun) part numbers



DESIGN YOUR DX70 PUMP PACKAGE

DX70 PUMP PACKAGE CONTENTS AND PART NUMBERS	DESIGN YOUR DX70 PUMP PACKAGE						
	DX70R3-PF	DX70R3-PFA	DX70R3-CF	DX70R3-CFG	DX70R3-WF	DX70R3-TF	DX70R3-TFG
DX-70 Bare Pump	•	•	•	•	•	•	•
Fluid Regulator	•	•	•	•	•	•	•
Filter Assembly	•	•	•	•	•	•	•
Air Controls 3 Regulators	•	•	•	•	•	•	•
Siphon Hose	•	•	•	•	•	•	•
Agitator		•					
Gravity Feed 1.4 gal (6L) hopper				•			•
Pail Mount	•	•					
Tripod Mount						•	•
Cart Mount			•	•			
Wall Mount					•		

SPARE PARTS

PART NUMBER	DESCRIPTION
DXK-2	Check Valve Kit
DXK-3	Diaphragm Kit
DXK-4	Shaft and Seal Kit
DXK-15	Fluid Regulator Kit
DXA-AC3	Air Control (3 regs)
DXA-FI0ME100	Filter Assembly 100 mesh
VS-58	Filter 100 mesh
VS-58-60	Filter 60 mesh
DXA-DVT	Dump Valve tripod/pail
DXA-DVW	Dump Valve wall/cart
41-3312-S	Agitator

BARE PUMPS

PART NUMBER	FITTINGS	FLUID REGULATOR
DX70R-MM	Male inlet/ Male outlet	Yes
DX70N-FF	Female inlet/ Female outlet	No

Stainless Steel fluid filter with mesh sizes 60 and 100* (*100 mesh supplied as standard).

CE & ATEX approved with Earthing/grounding cable as standard.

All suction pick up tubes include stainless steel strainers.

Unique quick release air, fluid inlet and outlet connections for easy, faster servicing.

Gravity feed outfits include strainer inside the hopper.



PUMP SPECIFICATIONS

DX70 PUMP SPECIFICATION (BARE PUMP)	DESCRIPTION
Pump Ratio	1 to 1
Max Air Pressure	100 psi/7 bar
Nominal Flow Volume/Cycle	0.018 gal (0.07 L)
Fluid Output@60 Cycles/min	1.1 gal/min (4.2 l/min)
Max Recommended Continuous Cycle Rate	10 cycles/min
Max Recommended Intermittent Cycle Rate	30 cycles/min
Inlet Fluid Connection	3/8" Universal (BSPP/NPSM) Male or Female
Outlet Fluid Connection	3/8" Universal (BSPP/NPSM) Male or Female
Maximum Dry/Wet Lift	21.8 feet (6.6 m)
Air Inlet	1/4" (BSPP) Female
Air Volume /cycle@100 psi	0.027 SCFM
Air Volume 10 cycles/min 100 psi/6.9 cycles	0.27 SCFM/min
Air Volume 30 cycles/min 100 psi/6.9 cycles	0.82 SCFM/min
Noise Level	68 dB
Weight	4.9 lbs (2.2 kg)



DX70 READY ASSEMBLED SPRAY OUTFITS INCLUDE SPRAY GUN

OUTFIT NUMBER	PUMP PART NUMBER	MOUNT	TROPHY GUN PART NUMBER
98-3221	DX70R3-PF	Pail	2465-HV1
98-3224	DX70R3-PFA	Pail w/agitator	2465-HV1
98-3226	DX70R3-CF	Cart	2465-HV1
98-3227	DX70R3-TF	Tripod	2465-HV1
98-3228	DX70R3-WF	Wall	2465-HV1

Outfits include Trophy HVLP Spray Gun with 1.0 mm, 1.4 mm, and 1.8 mm set ups, 25' Ergoflex Hose, and 25' Fluid Hose.

98-3224 pail mount with agitator spray package (pail not included)



BINKS DX SERIES PUMP 5-YEAR WARRANTY

BINKS® warrants to the original end-use purchaser that the Binks branded products "DX" 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. Binks DX Series Pump 5-Year Warranty does not include normal wear.

For further technical information please refer to the Binks DX70 Diaphragm Pumps Service Bulletin.