Binks

Binks DX200-3

Air Operated 3:1 Diaphragm Pump

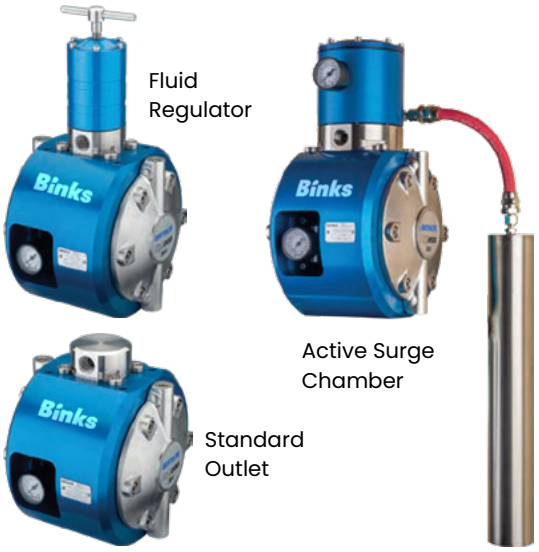
- Higher fluid pressure with constant low pulse flow rates
- Durable construction, low maintenance operation
- Interchangeable outlet options
- Multiple spray gun, system and transfer applications

FLUID HANDLING

Binks DX200-3 Air Operated 3:1 Ratio Diaphragm Pump

The DX200-3 is our new air operated 3:1 ratio, double diaphragm pump. It has been designed to perform in tough spray gun, system or transfer applications.

A cutting-edge feature of this pump is the new Eazi-Swap outlet, which can be quickly configured as a standard outlet or adapted with our manual fluid regulator or active surge chamber options. The outlet can even be changed with the pump on line. This innovation provides the flexibility for connection to systems or direct to spray guns without the expense and complication of external components.



COATING TYPES AND APPLICATIONS

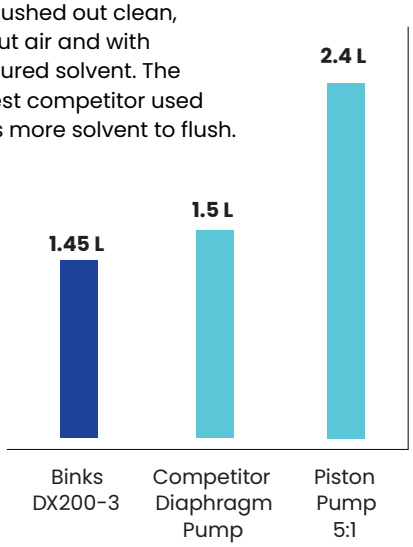
Suitable For:

- Solvent OR Waterborne Coatings
- Primers, Sealers & Catalysed Lacquers
- Moisture-Sensitive Materials
- UV-Cure Coatings
- Abrasive Coatings
- Adhesives & Fillers
- Many others

GENERAL INDUSTRY | WOOD | GLASS | AUTOMOTIVE OEM AND TIER 1 & 2 | CERAMIC

DX200-3 flushes with less

During tests, the DX200-3 was flushed out clean, without air and with measured solvent. The nearest competitor used 50ccs more solvent to flush.



High Performance, Low Running Costs

Consistent fluid delivery over the pressure range. High performance air valve for quick change-over. Leads to high volume of fluid output and lower air consumption than the competition.

Suitable For Piggable Systems

Low internal volume with no 'dead areas' makes the DX200-3 ideal for piggable systems.

Fast & Easy Servicing

Unobstructed access to critical components such as the air valves, diaphragms and check valves allow fast, easy maintenance.

Eazi-Swap Fluid Output

Outlet options can be ordered with the pump or retrofitted in-situe. Fluid outlet can be rotated for front or rear fluid delivery.

Non-Stall & Quiet Running

Non-stall pilot mechanism and integrated muffler provides smooth, quiet running.

Universal Material Compatibility

Stainless Steel fluid passageways handle widest variety of materials.

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Easy to Maintain

Rotatable Eazi-Swap outlet. Change on line between unregulated, regulated or active surge chamber outlets.

High performance valve gives quick change-over, providing superior performance.

"No-Crease" diaphragm design for longer working life. The gentle action ensures low shear of sensitive materials.

Easy access, single module, air valve pilot.

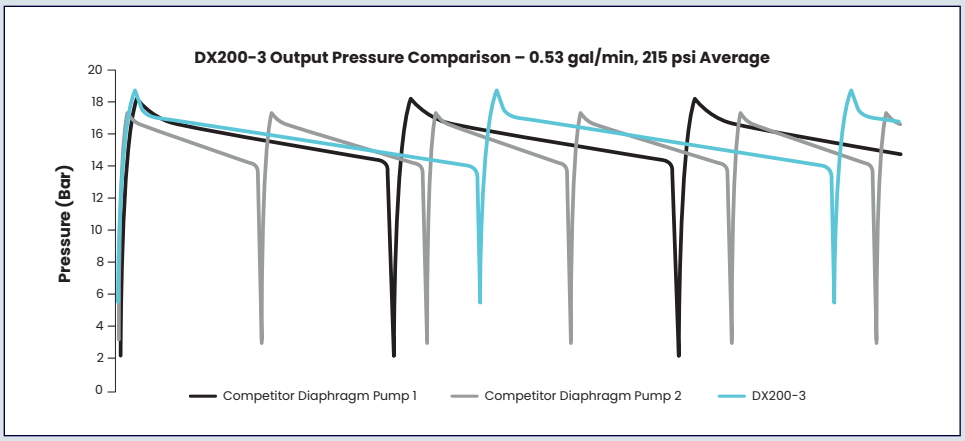
Built-in pump pressure gauge as standard.

Long life check valve with low cost seal, allows for easy preventative maintenance.

Minimal disassembly for fast easy maintenance, even while the pump is still on line.

Outstanding Performance

The DX200-3 was tested at a fluid pressure of 215 psi and a flow rate of 0.53 gallons per minute against the main competition. The DX200-3 had the quickest change-over period and least pressure loss of its rivals.



The 'longer—slower' cycle rate of the DX200-3 moves the same volume of fluid but at a slower cycle rate than its competitors. This means less stress and wear on components, resulting in longer intervals between maintenance inspections.

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Filter Option

DX200-3 can be ordered with a filter (rated up to 305 psi) which can be secured neatly against the pump's wall bracket, saving on installation time. The filter may also be ordered as an accessory item for retro-fitting.

This new inline filter gives superior flushing. Sanitary clamps enable quick disconnection of the filter housing for inspection and cleaning the screen. A bypass valve is included to enable easy priming of the pump. A 100 mesh filter screen is included as standard but alternative mesh sizes are available to suit the application. Sizes range from 15, through to 1250.

Binks DX Series 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. Does not include normal wear and tear parts.

For further technical information refer to the Binks DX200 Diaphragm Pump Service Bulletins.

DX200 PUMP SPECIFICATION (BARE PUMP)	
Ratio	3:1
Max Air Pressure	100 psi (7 bar)
Max Fluid Pressure	305 psi (21 bar)
Nominal Flow Volume/Cycle	0.037 gal (0.14 L)
Fluid Output @60 cycles/min	2.2 gal/min (8.4 l/min)
Max Recommended Continuous Cycle Rate	25 Cycles/min
Max Recommended Intermittent Cycle Rate	40 Cycles/min
Inlet Fluid Connection	1/2" BSPP Female
Outlet Fluid Connection	1/2" BSPP Female
Maximum Dry/Wet Lift (Head)	22.6ft (6.9m)/28.5 ft (8.7m)
Air Inlet	1/4" Universal (BSPP/NPSM) Female
Air Volume/cycle @ 6.9Bar/100psi	0.18 SCFM (47.8 l)
Air Flow @ 10 cycles/min 6.9Bar/100psi	1.69 SCFM (47.8 l)
Air Flow @ 30 cycles/min 6.9Bar/100psi	5.54 SCFM (156.9 l)
Air Quality ISO 8573.1 Class 3.3.2 #	Dirt 5 microns
	Water -20°C @ 100 psi (940 ppm)
	Oil 0.1mg/m^3
	Non Lubricated
Noise Level	79.8 dBA
Weight - Bare Pump	39.4 lbs (17.9 Kg)
Temperature Range	32 - 104 °F (0 - 40 °C)
Dimensions (W x H x D)	7.6" X 10.35" X 10.4" (193mm X 262mm X 264mm)

DX200-3 ORDERING INFORMATION	
DX200-3SN	Pump with no Regulator
DX200-3SM	Pump with Manual Regulator
DX200-3SP	Pump with Active Surge Chamber
DVX-352	Wall Bracket
0115-010186	Cart Mount (also order wall bracket)

ACCESSORIES	
DESCRIPTION	**PART #**
Manual Fluid Regulator	DXK-274
Active Surge Chamber	DXA-SC31P
Active Surge Chamber Air Reservoir	DXA-SCR1.0
Non Regulated Outlet	DXK-279
Fluid Filter	DXA-F6ME100-200-3
1/2" Suction Hose	DXA-S25-13S-me15

FILTER SCREENS	
DESCRIPTION	**PART #**
100 Mesh Kit x 3 (150 Micron)	1194549-K3
200 Mesh Kit x 3 (75 Micron)	194551-K3
60 Mesh Kit x 3 (250 Micron)	194548-K3
30 Mesh Kit x 3 (595 Micron)	194547-K3

Other sizes are available