

# Binks DX200-3

Air operated 3:1 diaphragm pump

**FLUID HANDLING**



Higher fluid pressure with constant low pulse flow rates

Durable construction, low maintenance operation

Interchangeable outlet options

Multiple spray gun, system and transfer applications



## 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 in-situe. 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 These Materials:

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



### 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

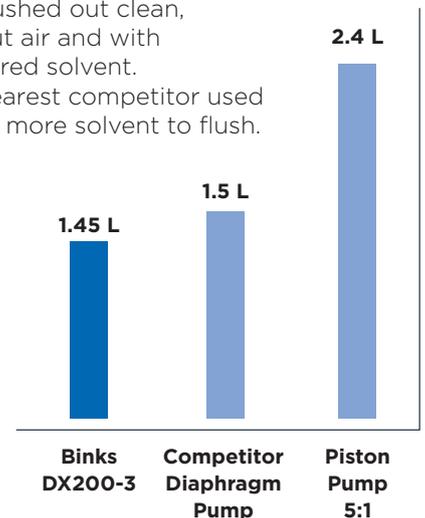
Stainless Steel fluid passageways handle widest variety of materials.



### DX200-3 Flushes with less

During tests, the DX200-3 was flushed out clean, without air and with measured solvent.

The nearest competitor used 50cc's more solvent to flush.



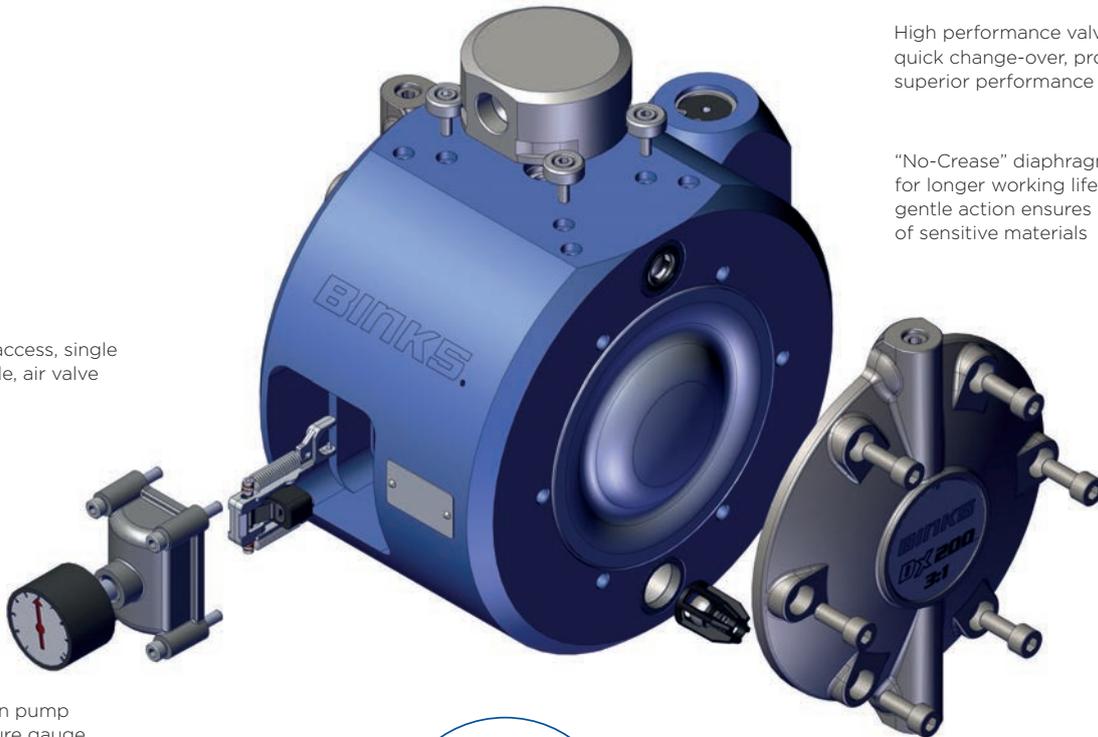
## Easy To Maintain

Rotatable Eazi-Swap outlet.  
Change in-situ 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.

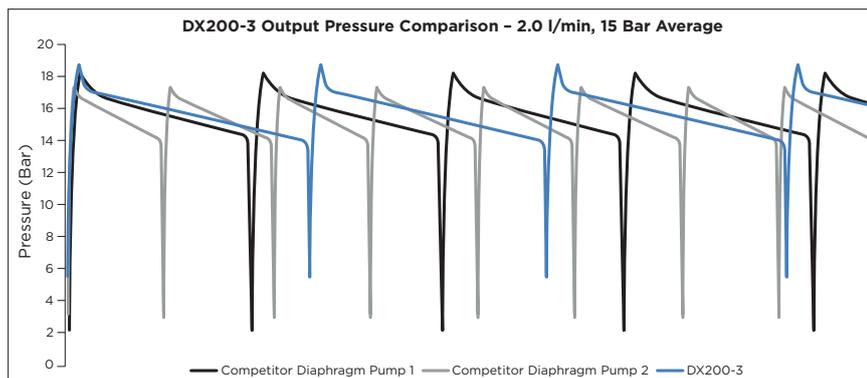


Minimal disassembly for fast  
easy maintenance. Even while  
the pump is still in situ

## Outstanding Performance

The DX200-3 was tested at a  
fluid pressure of 15 bar and a  
flow rate of 2 litres 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.

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

## Pump Outfits

Save on costs and installation time by purchasing an Outfit. Our DX200-3 Outfits come complete with air regulators and suction hoses, plus a choice of mounting options and fluid outlets. The DX200-3 is also available as a Bare pump.

## Fluid Filter Option

DX200-3 can be ordered with a filter (rated up to 21 bar) 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 retrofitting. 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.

## Mounting Options

DX200-3 can be supplied straight from the factory with either a wall mount bracket or a cart.

## DX200 PUMP SPECIFICATION (BARE PUMP)

Ratio	3:1
Max Air Pressure	7.0 bar (100 psi)
Max Fluid Pressure	21 bar (305 psi)
Nominal Flow Volume / Cycle	0.14 Litres (0.037 US Gall)
Fluid Output @ 60 Cycles/Min	8.4 Litres / min (2.2 US Gall /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)	6.9 m (22.6 ft) / 8.7 m (28.5 ft)
Air Inlet	1/4" Universal (BSPP/NPSM) Female
Air Volume / cycle @ 6.9Bar/100psi	5.0l (0.18 SCFM)
Air Flow @ 10 cycles / min 6.9Bar/100psi	47.8l (1.69 SCFM)
Air Flow @ 30 cycles / min 6.9Bar/100psi	156.9l (5.54 SCFM)
Air Quality ISO 8573.1 Class 3.3.2 #	Dirt 5 microns
	Water -20°C @ 7 Bar (940 ppm)
	Oil 0.1mg/m <sup>3</sup>
	Non Lubricated
Noise Level	79.8 dBA
Weight - Bare Pump	17.9 Kg (39.4 lbs)
Temperature Range	0 - 40 °C (32 - 104 °F)
Dimensions (W x H x D)	193mm (7.6") x 262mm (10.35") x 264mm (10.4")

## DX200-3 ORDERING INFORMATION

Bare Pump		Outfit (No Gun & Hoses)			
DX200-3S A - B		DX200-3S A 1 - C D			
A	Outlet Option	B	Air Regulators		
N	= No Regulator	= No Regulator	Unregulated N/A on outfits		
M	= With Manual Regulator	1	= 1 Regulator		
P	= Active Surge Chamber		DX200-3SN or SM only		
C	Mounting Type	D	Options		
W	= Wall	= No Option	Unregulated N/A on outfits		
C	= Cart	F	= Filter		

## FILTER SCREENS

Description	Part Number
100 Mesh Kit x 3 (150 Micron)	194549-K3
100 Mesh Kit x 12 (150 Micron)	194549-K12
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

## ACCESSORIES

Description	Part Number
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-S13-ME15



## 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.



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