



Award



Industry Outlook

awarded **Blagdon Pump** as
one of the **best**
metering pumps in 2023

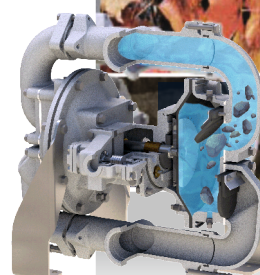
Right Pump
for Right Applications

Heavy Duty Flap

NUTS, BOLTS & SCREWS

ROCKS, TWIGS & LEAVES

RAGS



High Pressure

FLOATING SOLIDS

PEA GRAVEL

SAND & SLURRIES



PROVEN
PERFORMANCE
RELIABLE PUMPING
SOLUTIONS

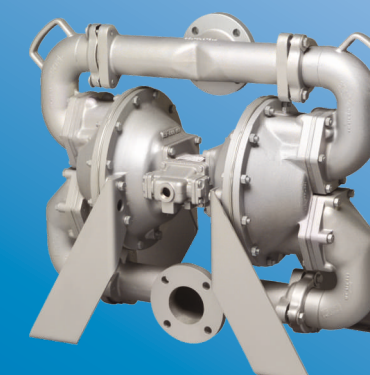
Metallic Pump (Ball Valve)



Non Metallic Pump (Ball Valve)



Metallic Pump (Flap Valve)



High Pressure Pump



50 YEARS OF EXPERTISE
in manufacturing specialist pumps
for extreme environmental conditions



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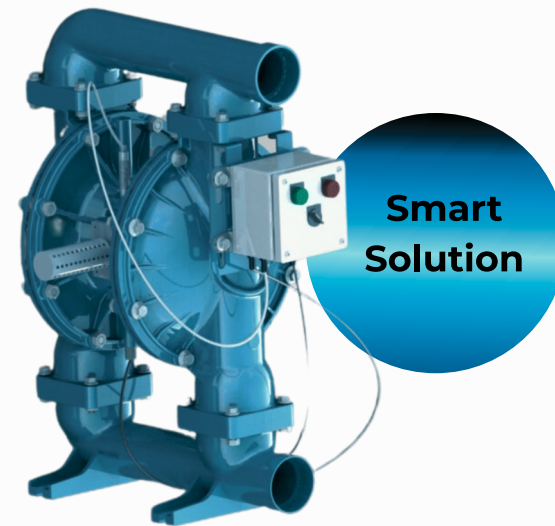
Introducing Smart AODD pump with leak prevention technology.

Smart Blagdon AODD Pump resolves some major customer pain points like

- Air valve failure
- Air valve clogging
- Cleaning of chambers after failure of diaphragm.

Experience Blagdon Smart solution

- To reduce wastage of high valued material
- To eliminate spillage or leakage of media
- To eliminate cleaning cost of pump & surrounding
- 50% Reduction in maintenance time
- 50% Reduction in maintenance cost
- Detect dead head condition & dry run condition



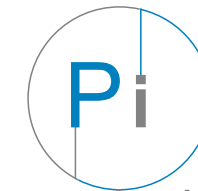
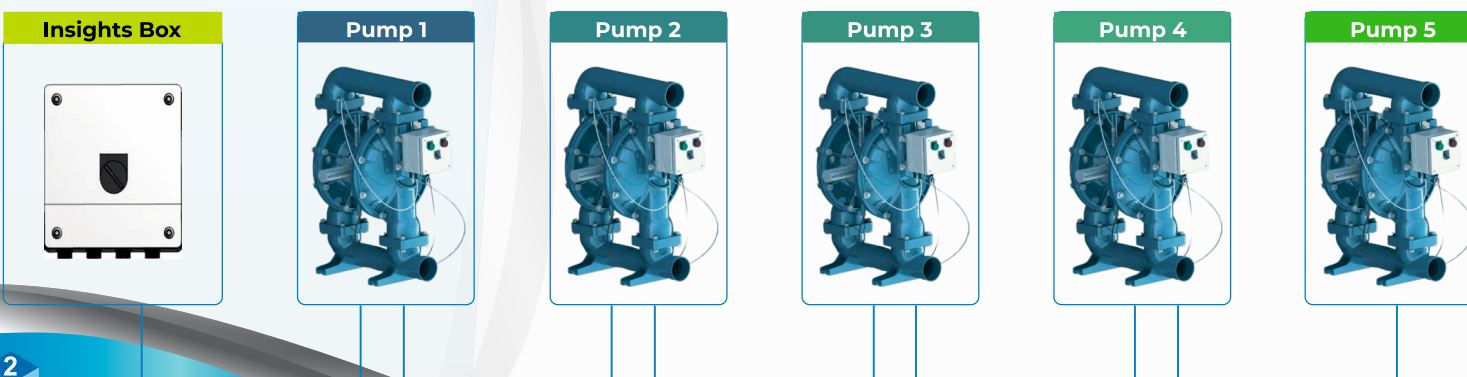
Blagdon Smart AODD Solution comes in two types as:

1. Premium Leak Detection

Pump with this solution comes with pre-fitted leak sensors connected to Node Box mounted on the pump along with solenoid valve at the air inlet line. The leak sensors continuously monitor both left and right diaphragm of the pump and instantly provide signal to solenoid valve to trip the pump in case any diaphragm rupture is detected. There is local indication available on the node box for healthy and faulty status.

2. Pump Insight Leak Detection

In addition to the premium leak detection, this also provides real time pump monitoring, choke detection, dry run detection, configurable features, health monitoring and pump analysis through pump insights application. It comes with pre-fitted leak and stroke sensors connected to Node Box mounted on the pump along with solenoid valve at the air inlet line. The Node box gets connected to the separately installed Insights box through RS-485 communication wire. This solution provides SMS and email alerts for any abnormality like diaphragm rupture, choke detection, dry run detection.



Pump Insights

PUMP INSIGHTS, a cloud based Industrial IOT application, is developed for monitoring of all IDEX INDIA pump solutions and is a part of IDEX INDIA IOT solution, **COGNITOsmartINSIGHTS**.

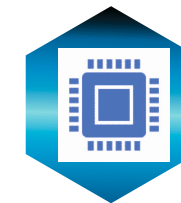
PUMP INSIGHTS helps you to connect, monitor and analyses your pump remotely and enables you to make better and faster decision to optimize your pump performance and improve overall process efficiency.



A web - based application, can be accessed anytime, anywhere



Help you remotely monitor critical applications.



Real-time updates for all your installed pumps



Executive readable automated reports



Connect, Monitor and analyze your pumps remotely



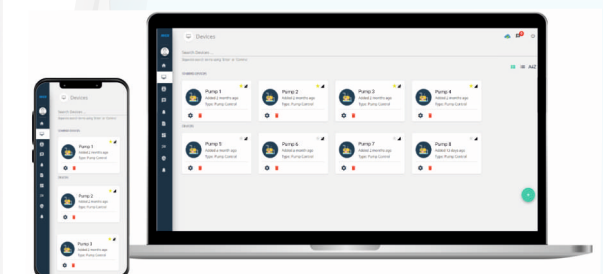
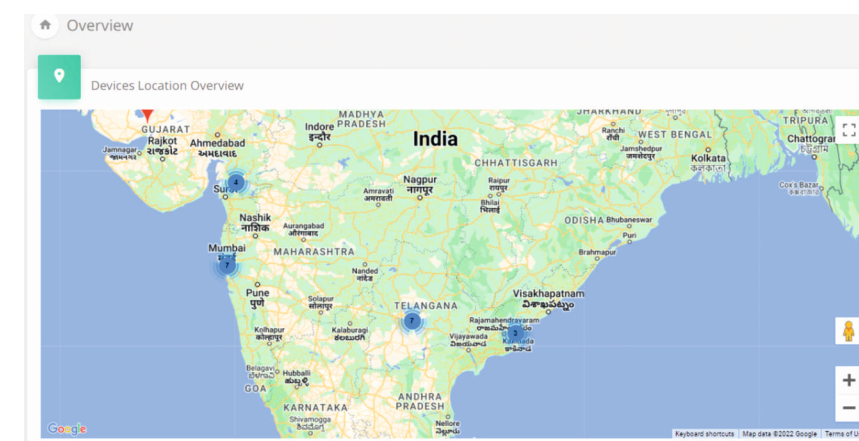
Enables you to make better and faster decision to optimize your pumps performance



Creates an instant alert for abnormalities



Achieves increased operational efficiency & productivity



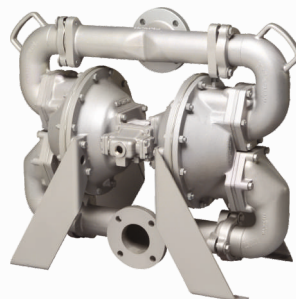
Metallic Pumps (Ball Valve)



Pump Type	METALLIC PUMPS (BALL VALVE)						
Dimension	1"	1"	1 1/2"	1 1/2"	2"	2"	3"
Model	B25	B25	B40	B40	B50	B50	X75
MOC	Aluminium	Stainless Steel	Aluminium	Stainless Steel	Aluminium	Stainless Steel	Aluminium
Shipping Weights	16 kg. (35.3 lbs.)	25 kg. (55.1 lbs.)	22 kg. (48.5 lbs.)	46 kg. (101.4 lbs.)	38 kg. (83.8 lbs.)	95.5 kg. (210.5 lbs.)	92 kg. (202.8 lbs.)
Max. Delivery	180 ltrs/min (48 gal/min)		320 ltrs/min (85 gal/min)		530 ltrs/min (140 gal/min)		998 ltrs/min (264 gal/min)
Max. Working pressure	8.6 bar (125 PSI)		8.6 bar (125 PSI)		8.6 bar (125 PSI)		8.6 bar (125 PSI)
Max. Solid Particle Size	3mm (0.12")		6 mm (0.24")		6 mm (0.24")		10 mm (0.39")
Air Inlet	3/8" BSP(F) / NPT		3/8" BSP(F) / NPT		3/4" BSP(F) / NPT		1/2" BSP / NPT
Temperature limits	Determined by Elastomers		Determined by Elastomers		Determined by Elastomers		Determined by Elastomers
Suction lift(Dry)	6.1 m (20')		6.1 m (20')		6.1 m (20')		5.5 m. (18')
Suction lift(Wet)	7.6 m (24.9')		7.6 m (24.9')		7.6 m (24.9')		N/A
Fluid Inlet/Outlet	1" BSP(F) / NPT		1 1/2" BSP(F) / NPT		2" BSP(F) / NPT		3" ANSI Flange
Shipping Dimensions	400 x 300 x 470 mm (15.8" x 11.8" x 18.5")		500 x 350 x 600 mm (19.7" x 13.8" x 23.6")		540 x 350 x 750 mm (12.3" x 13.8" x 29.5")		533 x 965 x 939 mm. (21" x 38" x 37")

Features:

- Material options suitable for a wide range of applications
- Simple construction, easy to maintain
- Self-priming, ideal for emptying containers
- Bolted construction for greater integrity
- Weighted valve balls for high S.G. and viscous fluids
- Reliable pneumatic air valve



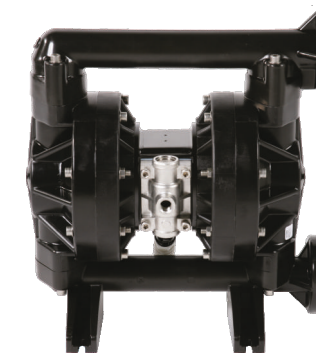
Metallic Pumps (Flap Valve)

Pump Type	METALLIC PUMPS (FLAP VALVE)				
Dimension	1"	1"	2"	2"	3"
Model	X25	X25	X50	X50	X75
MOC	Aluminium	Stainless Steel	Aluminium	Stainless Steel	Aluminium
Shipping Weights	21 kg. (46.3 lbs.)	36 kg. (79.4 lbs.)	39 kg. (86 lbs.)	76 kg. (167.6 lbs.)	92 kg. (202.8 lbs.)
Max. Delivery	265 ltrs/min (70 gal/min)		530 ltrs/min (140 gal/min)		998 ltrs/min (264 gal/min)
Max. Working pressure	8.6 bar (125 PSI)		8.6 bar (125 PSI)		8.6 bar (125 PSI)
Max. Solid Particle Size	25 mm. (0.98")		50 mm. (1.97")		10 mm. (0.39")
Air Inlet	1/2" BSP / NPT		3/4" BSP(F) / NPT		1/2" BSP / NPT
Temperature limits	Determined by Elastomers		Determined by Elastomers		Determined by Elastomers
Suction lift(Dry)	5.8 m. (19')		7.3 m. (24')		5.5 m. (18')
Fluid Inlet/Outlet	1" BSP(F) / NPT		2" BSP(F) / NPT		3" ANSI Flange
Shipping Dimensions	381 x 457 x 482 mm. (15" x 18" x 19")		406 x 584 x 584 mm. (16" x 23" x 23")		533 x 965 x 939 mm. (21" x 38" x 37")

Features:

- Bottom discharge ported for efficient solids handling
- Air valve will not stall in mid-position
- Air valve designed for in-line maintenance
- Bolted construction for greater integrity
- Robust construction

Non-Metallic Pumps (Ball Valve)



Pump Type	NON METALLIC PUMPS (BALL VALVE)					
Dimension	1/4 "	1/4 "	1"	1"	1"	1"
Model	B06	B06	B25	B25	B25	B25
MOC	Polypropylene	PVDF	Polypropylene/ Aluminium	PVDF/ Aluminium	Polypropylene/ Stainless Steel	PVDF/ Stainless Steel
Shipping Weights	1.7 kg. (3.8 lbs.)	1.9 kg. (4.2 lbs.)	13.5 kg. (29.8 lbs.)	18 kg. (39.7 lbs.)	18 kg. (39.7 lbs.)	20 kg. (44.1 lbs.)
Max. Delivery	16 ltrs/min (4.3 gal/min)		152 ltrs/min (40 gal/min)			
Max. Working pressure	5 bar (73 PSI)		8 bar (116 PSI)			
Max. Solid Particle Size	1 mm (0.04")		3 mm. (0.12")			
Air Inlet	1/4" BSP(F) / NPT		3/8" BSP(F) / NPT			
Temperature limits	Determined by Elastomers		Determined by Elastomers			
Suction lift(Dry)	1.5 m (4.9')		6.1 m. (20')			
Suction lift(Wet)	4.1 m (13.5')		7.6 m. (24.9')			
Fluid Inlet/Outlet	1/4" BSP(F) / NPT		1" ANSI #150 Flanged RF			
Shipping Dimensions	240 x 180 x 200 mm. (9.5" x 7.1" x 7.9")		440 x 260 x 470 mm. (17.3" x 10.2" x18.5")			
Dimension	2"	2"	2"	2"	3"	3"
Model	B50	B50	B50	B50	B75	B75
MOC	Polypropylene/ Aluminium	PVDF/ Aluminium	Polypropylene/ Stainless Steel	PVDF/ Stainless Steel	Polypropylene	PVDF
Shipping Weights	39.5 kg. (87.1 lbs.)	50.5 kg. (111.3 lbs.)	50.5 kg. (111.3 lbs.)	70 kg. (154.3 lbs.)	105 kg. (231.5 lbs.)	143 kg. (315.3 lbs.)
Max. Delivery	530 ltrs/min (140 gal/min)		901 ltrs/min (238 gal/min)			
Max. Working pressure	8.6 bar (125 PSI)		7 bar (102 PSI)			
Max. Solid Particle Size	6 mm. (0.24")		18 mm. (0.71")			
Air Inlet	3/4" BSP(F) / NPT		3/4" BSP(F) / NPT			
Temperature limits	Determined by Elastomers		Determined by Elastomers			
Suction lift(Dry)	6.1 m. (20')		5.1 m. (16.8')			
Suction lift(Wet)	7.6 m. (24.9')		N/A			
Fluid Inlet/Outlet	2" ANSI #150 Flanged RF		3" ANSI Flange			
Shipping Dimensions	630 x 380 x 670 mm. (24.8" x 15" x 26.4")		558 x 965 x 1219 mm. (22" x 38" x 48")			

Features:

- Simple construction, easy to maintain
- Self priming, ideal for emptying containers
- Bolted construction for safety
- Low break out pressure requirement
- Reliable pneumatic air valve system

High Pressure Pump



Pump Type	HIGH PRESSURE PUMP			
Dimension	1"		2"	
Model	B25		B50	
MOC	Aluminium	Stainless Steel/Aluminium	Aluminium	Stainless Steel/Aluminium
Shipping Weights	24.5 kg. (54 lbs.)	33 kg. (72.8 lbs.)	52 kg. (114.6 lbs.)	78 kg. (172 lbs.)
Max. Delivery	125 ltrs/min (33 gal/min)		350 ltrs/min (92 gal/min)	
Max. Working pressure	16 bar (232 PSI)		16 bar (232 PSI)	
Max. Solid Particle Size	3 mm. (0.12")		6 mm. (0.24")	
Air Inlet	3/8" BSP(F) / NPT		3/4" BSP(F) / NPT	
Temperature limits	Determined by Elastomers		Determined by Elastomers	
Suction lift(Dry)	6 m. (20')		6.1 m. (20')	
Suction lift(Wet)	7.6 m. (24.9')		7.6 m. (24.9')	
Fluid Inlet/Outlet	1" BSP / NPT		2" BSP / NPT	
Shipping Dimensions	480 x 320 x 480 mm. (18.9" x 12.6" x 18.9")		850 x 450 x 800 mm. (33.5" x 17.7" x 31.5")	

Features:

- Robust construction, easy to maintain
- Can easily handle viscous, high SG and high head applications
- Smooth action, less vibration and wear
- Bolted construction for greater integrity
- Reliable pneumatic air valve
- Stalls against closed head without damage
- Re-start on demand

Pump With (Skid/Trolley)

- Custom Engineered base
- Special materials and Skid / Trolley design possible
- Pump and Skid assembly from India
- One stop shop for pump & related accessories



Certification & (Testing)

- Performance Test
- Hydrostatic Test
- Mechanical Run Test
- PMI and NDT Test
- Certificate of Compliance
- Material Test Report
- Custom Coating / Custom Name Plate
- Certified Drawings
- Additional Test or Certifications upon request
- All Test Compliant to ANS110.6 Standard

Air Valve Differentiation

No Separate Pilot Valve

What it does for you

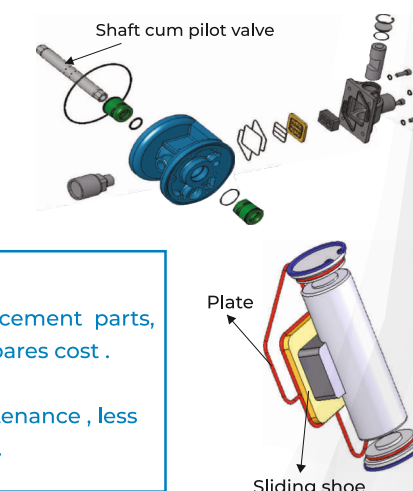
No separate Pilot Valve on pump (Shaft also acts as Pilot)
No dynamic 'O' Ring on an Air Valve assembly .
Sealing is by two flat surfaces of shoe on plate.

Why it is important

No additional part in the pump
Better sealing.
No air leak or stalling due to worn

Benefits

Less Replacement parts,
Saves in spares cost .
Less maintenance , less
downtime.



Vertically Mounted Air Valve

What it does for you

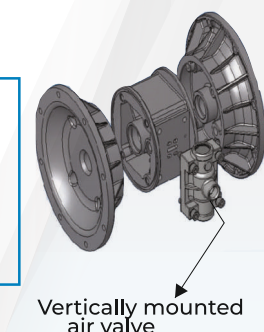
Vertical Orientation

Why it is important

The air valve/shoe does not centre when idle. By gravity it will fall down

Benefits

Guarantees startup
without stalling



SS316L Air Valve

What it does for you

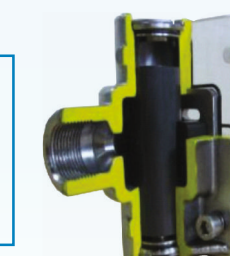
SS316L Air valve body as standard

Why it is important

Corrosion Resistant.
Air valve body is protected in place of diaphragm rupture

Benefits

No replacement cost.
Low maintenance cost



Lip Seal instead of O-Rings

What it does for you

Replaces Rubber O-Rings with Lip Seals with specially formulated material with high wear resistance properties

Why it is important

Improved sealing and wear properties, (up to 6 x longer than competition and still testing continues...!!!).

Benefits

Low maintenance
Low ownership cost

