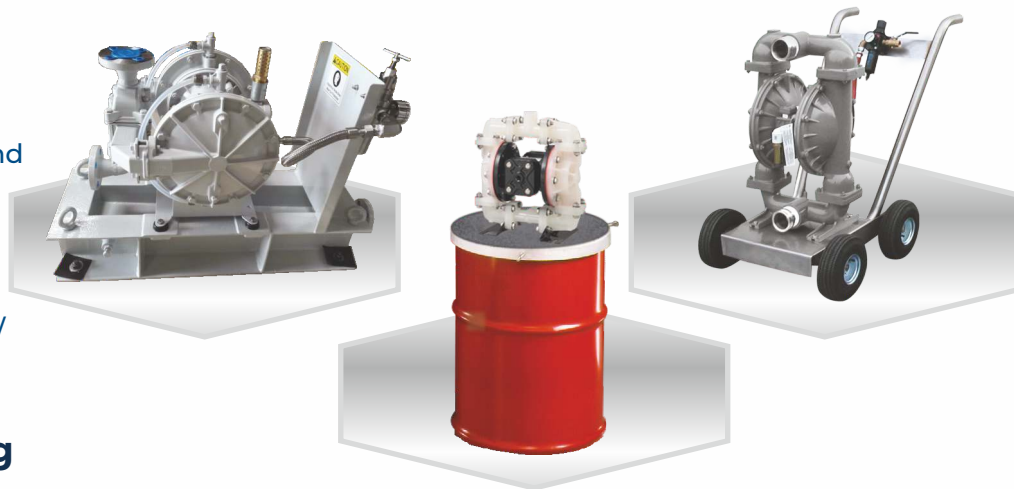




### Pump With Skid/Trolley

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



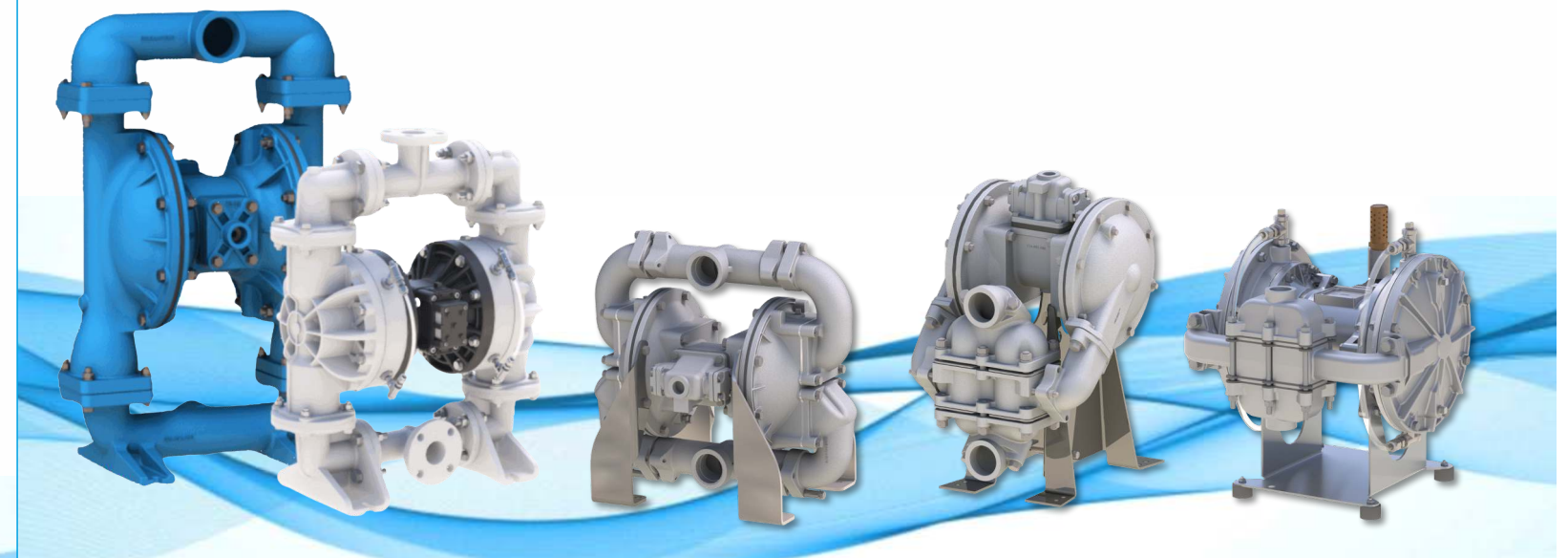
### Certification & Testing

- ◆ Certification and 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

### Right Pump for Right Applications .....



## THE ONLY SMART AODD PUMPS DESIGNED TO OPERATE UNDER THE MOST SEVERE CONDITIONS



Standard  
Metallic and Non-  
Metallic Pumps

Heavy Duty  
Flap Valve

Heavy Duty  
Ball Valve

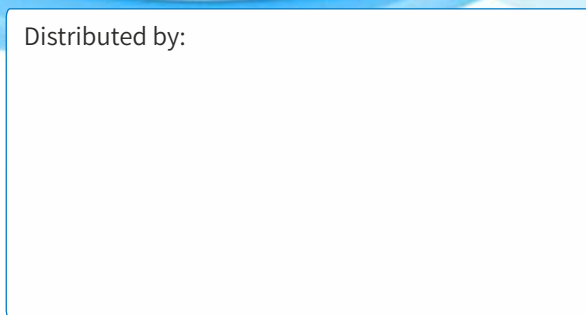
Containment  
Duty



**Corporate Office:**  
Solitaire Corporate Park, S14, 4th Floor, Chakala,  
Andheri East, Mumbai 400093

**Register Office & Plant:**  
**IDEX India Pvt. Ltd.**  
Survey No. 256, GIDC Manjusar, Savli,  
Near Bombardier Circle, Dist Vadodara 391 770 India  
Tel: +91 2667 662 001

Distributed by:



LEADING GLOBAL MANUFACTURER of  
Air Operated Double Diaphragm Pumps



## Introducing Smart AODD pump with leak prevention technology.

Smart Sandpiper AODD Pump resolves some major customer pain points like

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

### Experience Sandpiper 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



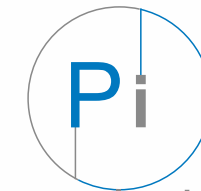
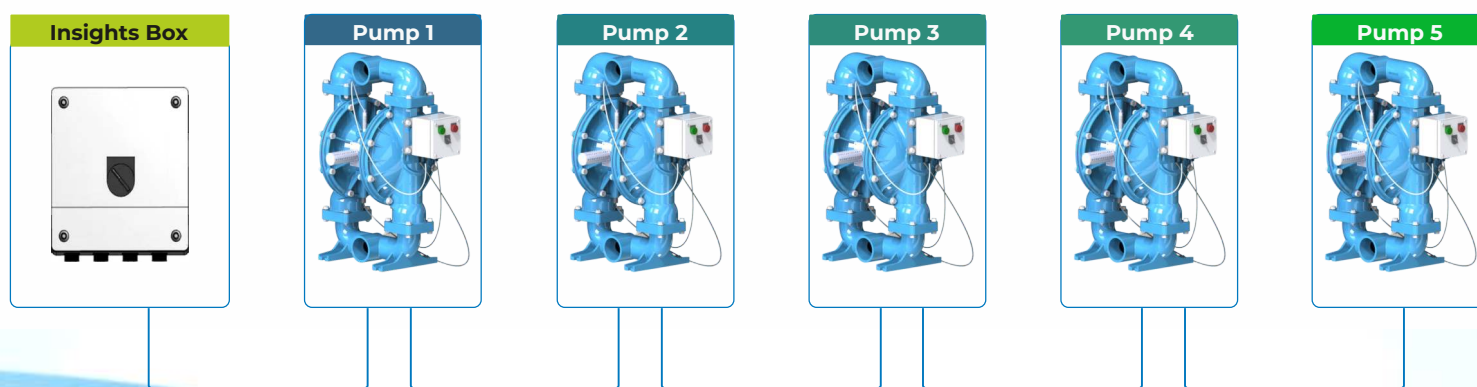
Sandpiper Smart AODD Solution comes in two types as:

#### 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.

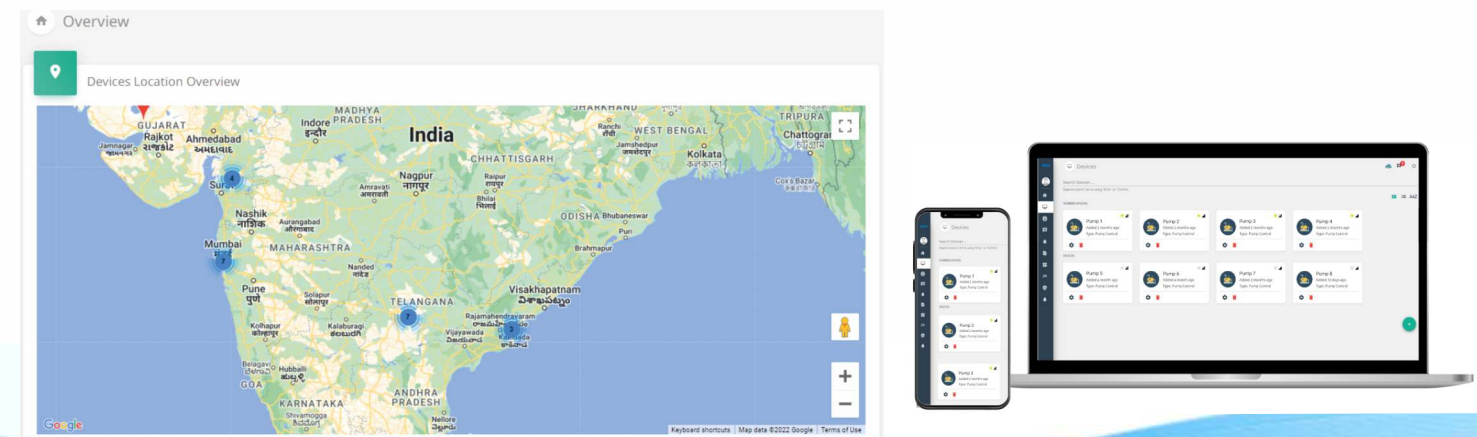


## Pump Insights

**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





## Standard Duty Metallic Pumps

Delivering maximum flow rate and lesser air consumption

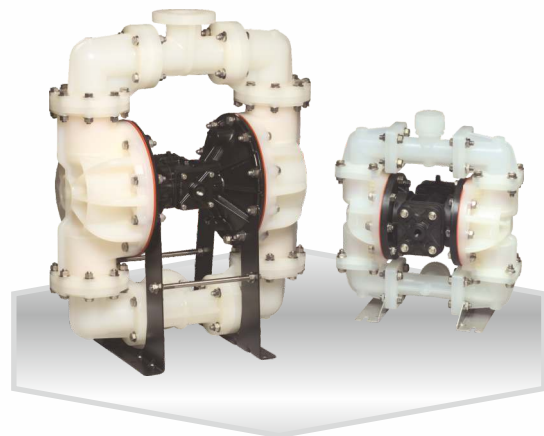
- Robust diaphragm connecting rod
- Crossed drilled directional spool valve
- Top discharge porting eliminates entrained air

Size	1/4" to 3" (6 mm to 75 mm)
Flow	upto 1078 lpm
Solid Handling	1 1/16" to 0.38" (1 to 9.65mm)
Displacement / Stroke	0.0034 to 1.0 gallons (0.011 to 3.79 liters)
Construction	Aluminum, Cast Iron, Stainless Steel, Alloy C
Elastomers	(Diaphragm, Ball Valve and Valve seats) : Nitrile, Neoprene, Santoprene, PTFE, Viton, Hytrel, EPDM

## Standard Duty Non Metallic Pumps

Delivering maximum flow rate and lesser air consumption

- Robust diaphragm connecting rod
- Crossed drilled directional spool valve
- Top discharge porting eliminates entrained air



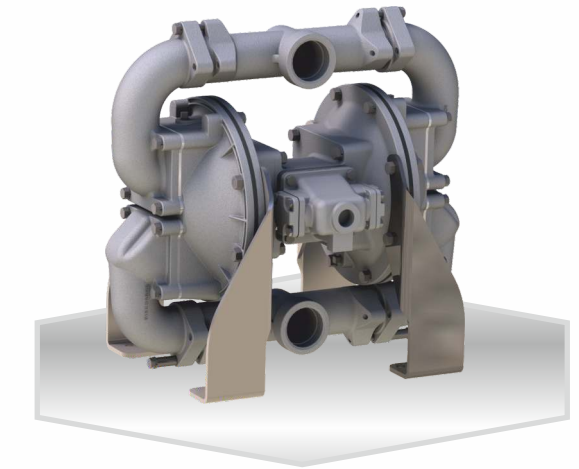
Size	1/4" to 3"
Flow	upto 1060 lpm
Solid Handling	0.03" to 0.75" (1 mm to 19 mm)
Displacement / Stroke	0.01 to 1.0 gallon (0.04 to 8 liters)
Construction	Polypropylene, PVDF, Conductive PP, Conductive PVDF, Conductive Acetal
Elastomers	(Diaphragm, Ball Valve and Valve Seats) : Nitrile, Neoprene, Santoprene, PTFE, Viton, Hytrel, EPDM

## Heavy Duty Flap Valve Pumps

For fluids containing up to line size solids

- Diaphragm wear pad
- Bottom discharge porting
- Stainless steel check valve seats
- Superior suction lift

Size	1" to 4" (25 mm to 102 mm)
Flow	upto 984 lpm
Solid Handling	1" to 3" (25-76mm)
Displacement / Stroke	0.1 to 1.5 gallons (0.38 to 5.7 liters)
Construction	Aluminum, Cast Iron, Stainless Steel, Polypropylene
Elastomers	(Diaphragms and Flaps) : Nitrile, Neoprene, Hytrel, Santoprene, Viton, Hytrel, EPDM, Urethane

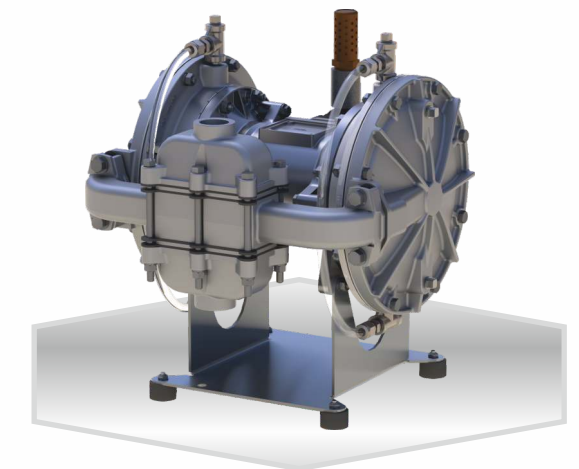


## Containment Duty Pumps

For fluid containment, protecting people, environment and pump

- No lost system fluid
- Visual, electronic and mechanical leak detection is possible
- No costly clean up

Size	1" to 3" (25 mm to 76 mm)
Flow	upto 901 lpm
Solid Handling	0.25" to 0.71" (6-18 mm)
Displacement / Stroke	0.09 to 0.9 gallons (0.34 to 3.4 liters)
Construction	Aluminum, Cast Iron, Stainless Steel, Polypropylene
Elastomers	(Diaphragms and Flaps) : PTFE, Neoprene, Santoprene, Viton



## Heavy Duty Ball Valve Pumps

For fluids containing settling, suspended & floating solids

- Thick manifold and chamber walls
- Heavy duty actuator plungers
- Down and top ported options
- For 1" and 1 1/2", side ported option available
- Weighted ball valve

Size	1" to 4" (25 mm to 102 mm)
Flow	upto 984 lpm
Solid Handling	0.25" to 0.875" (6 - 22mm)
Displacement / Stroke	0.9 to 1.8 Gallons (0.34 to 6.8 Liters)
Construction	Aluminum, Cast Iron, Stainless Steel, Alloy C
Elastomers	(Diaphragm, Ball Valve and Valve seats) : Nitrile, Neoprene, Santoprene, PTFE, Viton, Hytrel, EPDM



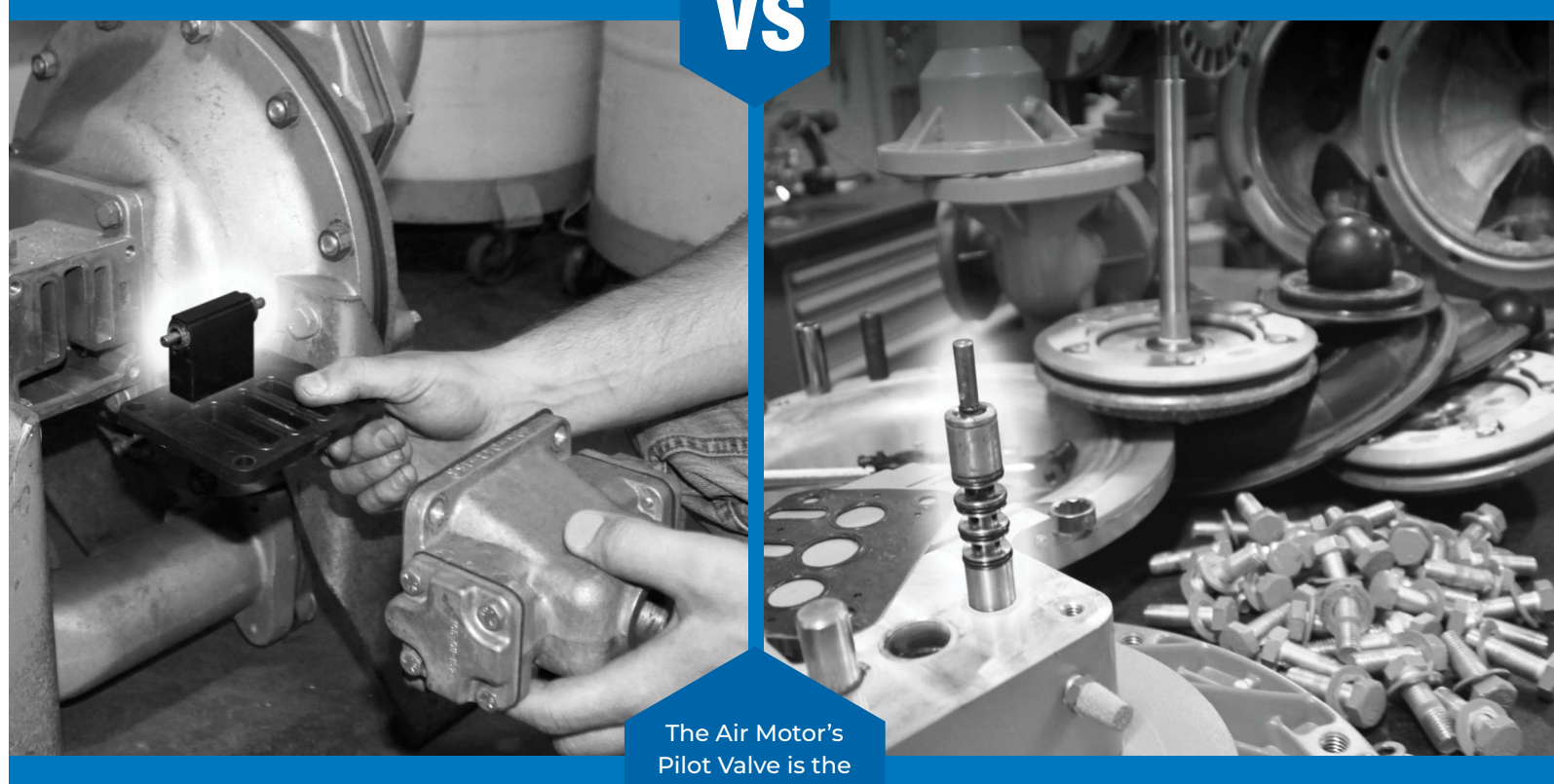
### Features and Benefits of Sandpiper Pumps

- Externally Serviceable Air Distribution System (ESADS+)
- Non Stalling Air Valve - Guarantee
- Abrasion Resistant - Lube Free Air Valve
- All Bolted Construction- Safe, Reliable and Easy Maintenance
- 90-180 Deg Manifold Connection Rotation Possible for Standard Duty Pumps
- Durable - Corrosion Resistant - Diaphragm Connecting Rod Guarantee
- 5 Year Limited Product Warranty

## SANDPIPER'S EXTERNALLY SERVICEABLE AIR DISTRIBUTION SYSTEM (ESADS:PLUS)

SANDPIPER'S Externally Serviceable Air Distribution System (ESADS) allows for quick and easy access to the pilot and spool valves without removing the pump from service, maximizing up time!

## SANDPIPER VS COMPETITION



The Air Motor's Pilot Valve is the Most Often Serviced Part on an AODD Pump



### 5 MINUTES FOR MAINTENANCE / CLEANING

Accomplished in minutes without removing pump from service by removing only 4 bolts



Saves you money by minimizing downtime



### 55 MINUTES OR LONGER FOR MAINTENANCE / CLEANING

The air valve components can only be accessed by removing the pump from service and taking it entirely apart



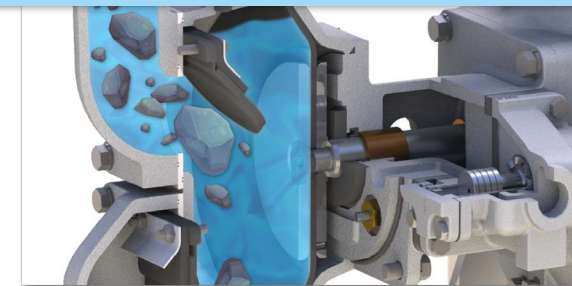
Costs you money due to extended downtime

## SANDPIPER

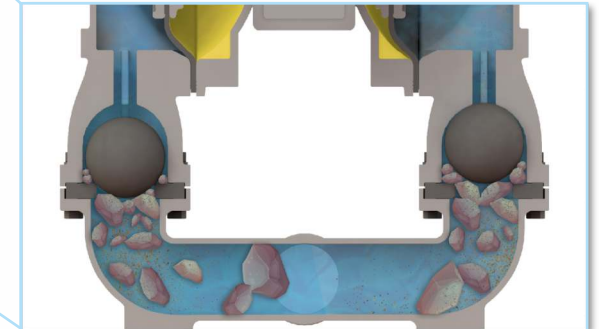


## COMPETITION

### HEAVY DUTY FLAP VALVE PUMP

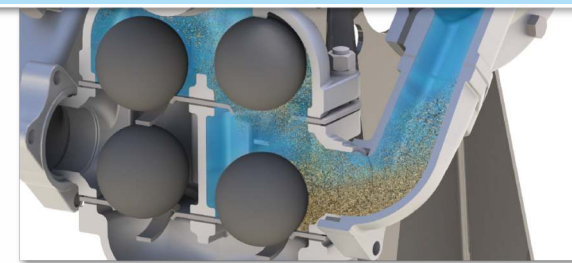


Large solids easily pass through pump

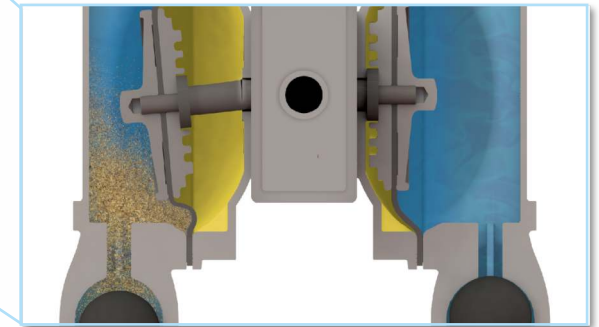


Large solids cannot pass through pump, affecting operation

### HEAVY DUTY BALL VALVE PUMP

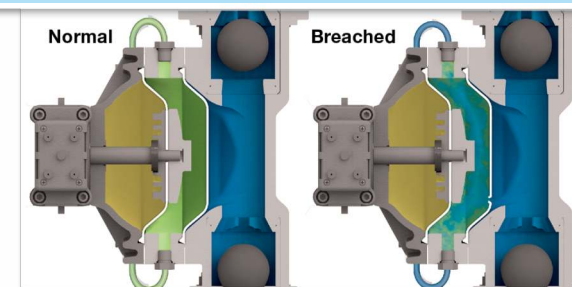


Setting solids easily pass through pump

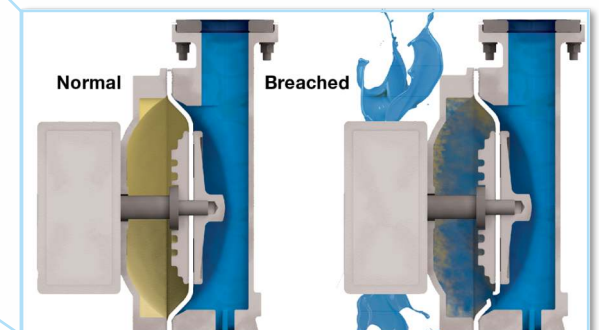


Setting solids collect inside pump, causing damage & affecting operation

### CONTAINMENT DUTY PUMP



Contains fluid when diaphragm becomes breached



Fluid escapes to environment when diaphragm becomes breached.