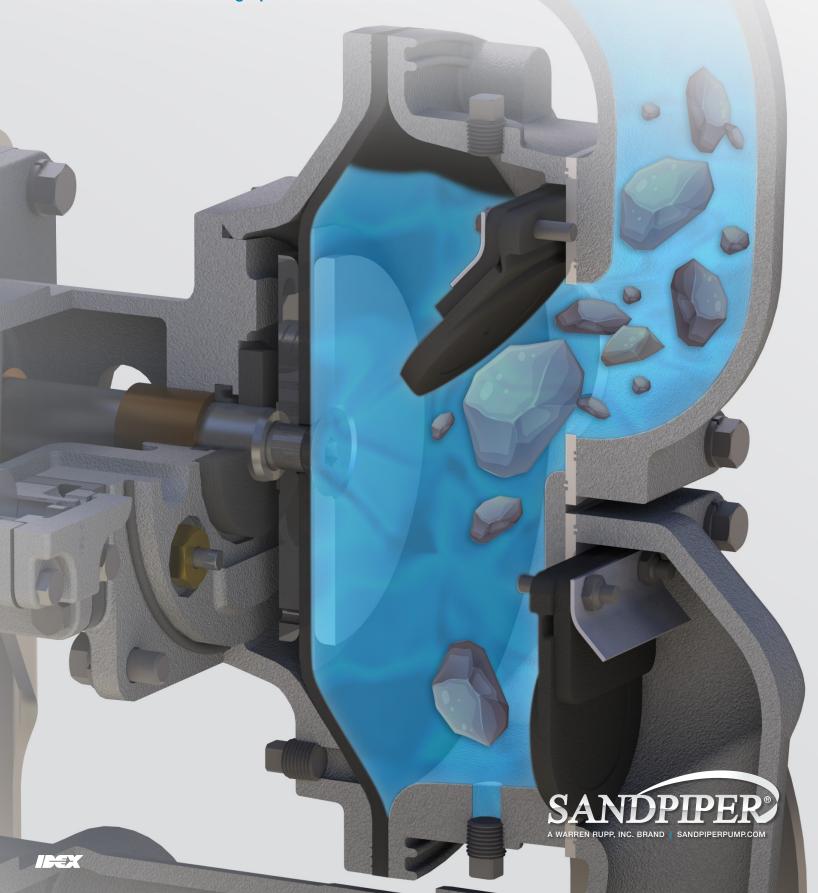
HEAVY DUTYFLAP VALVE PUMPS

SANDPIPER Signature SERIES OUR SIGNATURE ENSURES YOUR SUCCESS

For Fluids Containing up to Line Size Solids



KEY ADVANTAGES OF SANDPIPER

AN IDEAL SOLUTION FOR ABRASIVE SLURRIES, SUSPENDED, NON-SUSPENDED & LINE SIZE S



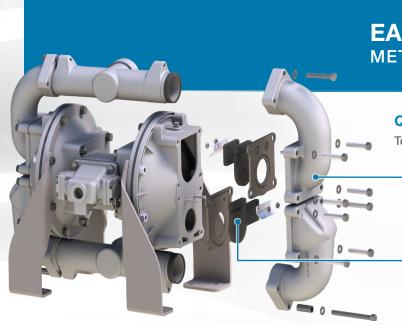
LINE SIZE SOLIDS FLAP VALVE VS. BALL VALVE PUMPS

Flap Check Valve Pumps

Have a large flow area to allow up to line size solids to pass directly through the pump. Additionally, the bottom discharge design helps prevent these solids from settling in the unit.

Ball Check Valve Pumps

Have much less flow area for solids to pass through. Large solids get stuck in the suction manifold and small solids can settle in the outer chamber, affecting pump performance.



EASE OF MAINTENANCE METALLIC PUMPS

Quick Access to Serviceable Components

To help increase productivity and reduce downtime.

Removable Elbows

By removing the bolts that secure the elbows, it allows access to clear simple clogs without disassembling the entire pump.

Flap Check Valves

With the elbows removed, the flap valves can be inspected and / or replaced as needed.

HEAVY DUTY FLAP VALVE PUMPS

E SOLIDS REQUIREMENTS

SUPERIOR SUCTION LIFT FLAP VALVE VS. BALL VALVE PUMPS

Suction Lift Advantage

SANDPIPER's Flap Valve design provides for superior suction lift capabilities up to 24 feet in water. Diaphragm placement and flap valve seating combine to create a unit capable of suction lifts 15% greater than Ball Valve pumps.

These capabilities are from a dry prime, making the SANDPIPER Flap Valve Pump an excellent solution, in situations where limited choices are available for pump priming.



UP TO
24 FT. (7.3M)
SUCTION
FLAP VALVE PUMPS



24 FT. (6.1M) SUCTION BALL VALVE PUMPS

EASE OF MAINTENANCE NON-METALLIC PUMPS

Quick Access to Serviceable Components

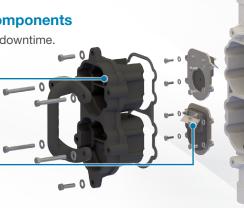
To help increase productivity and reduce downtime.

Remove Clean-Out Cap -

By simply removing six bolts securing the clean-out cap in place, it allows access to clear simple clogs without disassembling the entire pump.

Flap Check Valves -

With the clean-out cap removed, the flap valves can be inspected and / or replaced as needed. Four bolts hold the modular flap valves in place for guick maintenance and repair.





FEATURES & BENEFIT



Thick Manifold & Chamber Walls

Greater wear resistance when pumping solids and solid laden slurries, providing extended service life



Stainless Steel Seats -

Provide long-lasting abrasion resistance and solids handling durability



Robust Diaphragm Connecting Rod

Guaranteed not to bend or break; assures reliable and consistent diaphragm operation



Cross-Drilled Directional Spool Valve

Guarantees the pump will not stall and ensures on/off reliability



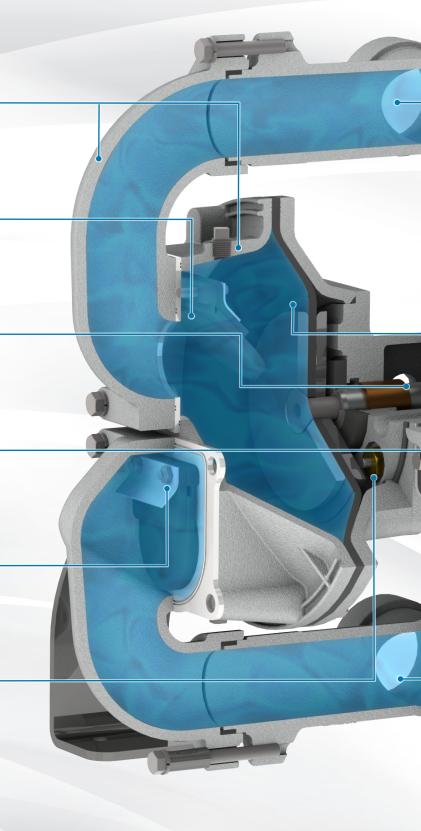
Easy Access To Flap Valves

Check Valve Flaps can be quickly cleaned or replaced without removing the pump from service

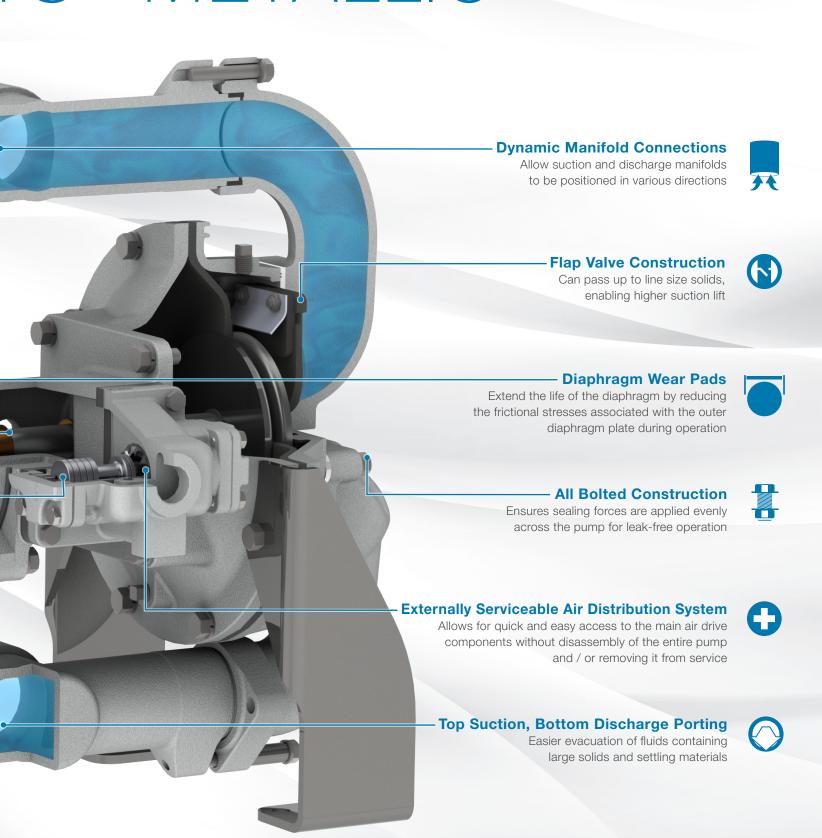


Heavy Duty Actuator Plungers

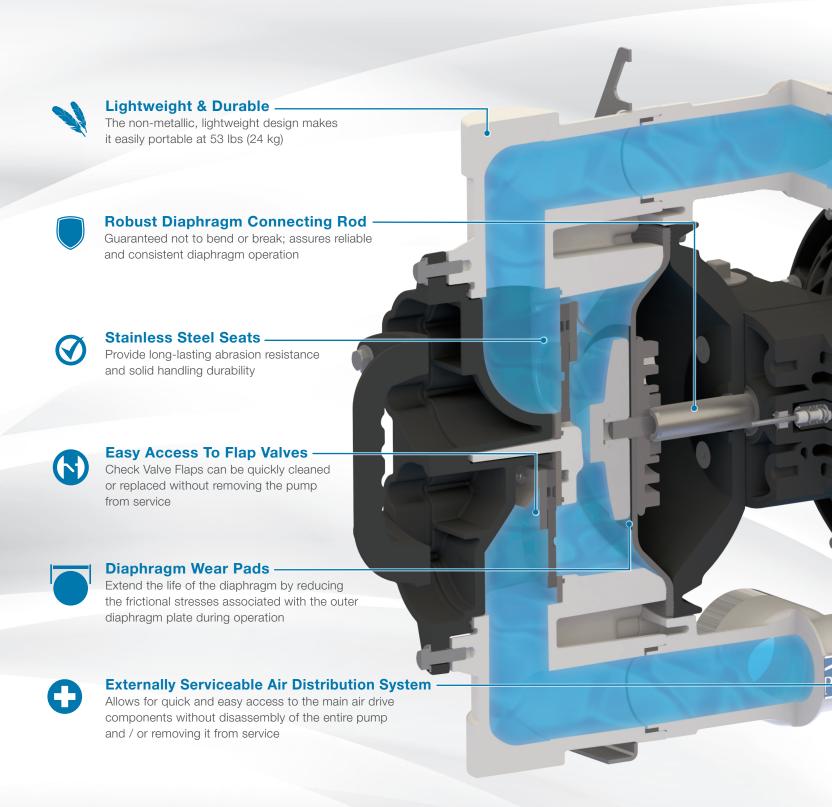
Ensures reliable pilot valve operation



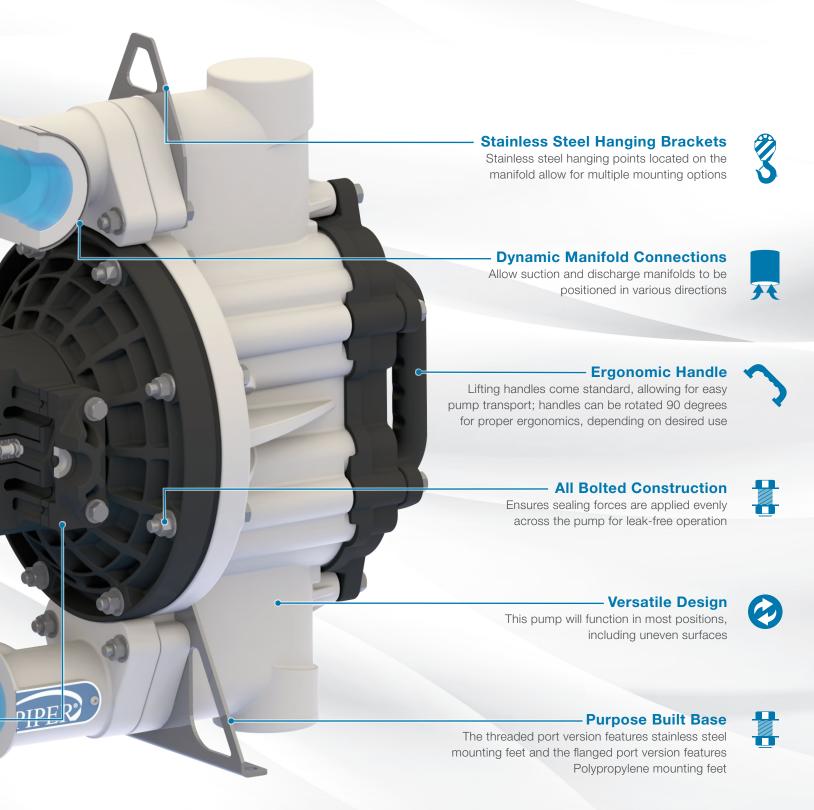
TS - METALLIC



FEATURES & BENEFIT



TS - NON-METALLIC





HEAVY DUTY FLAP VALVE PUMPS - METALLIC & NON-METALLIC

PERFORMANCE & SPECIFICATIONS



Optimized performance without sacrificing proven reliability. These pumps have undergone an engineering EVOLUTION, leveraging trusted and proven product designs to improve their performance by application of advanced engineering methods.

SPECIFICATIONS

METALLIC

SIZES 1 - 4" (25.4 - 101.6mm) **MAX FLOW**

70 - 310 GPM (265 - 1173 LPM)

SOLIDS HANDLING

DISPLACEMENT

0.10 - 1.6 gallon (0.37 - 6.06 liter)

NON-METALLIC

1 - 3" (25.4 - 75mm)

SIZES

MAX FLOW 2" (50mm)

150 GPM (568 LPM)

SOLIDS HANDLING 1.8" (46mm)

DISPLACEMENT 0.50 gallon (1.9 liter)



HDF1 Metallic







MAX FLOW 70 GPM (265 LPM) **MAX PRESSURE** 125 psi (8.6 bar)

DISPLACEMENT

0.10 gallon (.37 liter)



OPTIONS				
Porting	Wet End	Elastomers		Air End
1" NPT / BSP Threaded	Aluminum Stainless Steel	Nitrile (Buna) Neoprene Hytrel® Santoprene®	Fluorocarbon (FKM) EPDM Urethane	Aluminum Cast Iron

Santoprene® is a registered tradename of Exxon Mobil Corp. Hytrel® is a registered trademark of E.I. du Pont de Nemours and Company.



HDF2 Metallic







Up to 2" (50 mm)

MAX FLOW 208 GPM (787 LPM)

MAX PRESSURE 125 psi (8.6 bar)

DISPLACEMENT

0.47 gallon (1.8 liter)



OPTIONS				
Porting	Wet End	Elastomers		Air End
2" NPT / BSP Threaded	Aluminum Cast Iron Stainless Steel	Nitrile (Buna) Neoprene Hytrel [®] Santoprene [®]	Fluorocarbon (FKM) EPDM Urethane	Aluminum Cast Iron

3-4" HDF3-A / 4-A Metallic

€≥ **(€**

SOLIDS HANDLING

MAX FLOW

MAX PRESSURE

DISPLACEMENT

Up to 3" (75 mm)

310 GPM (1,173 LPM) 125 psi (8.6 bar)

1.6 gallon (6.06 liter)

OPTIONS				
Porting	Wet End	Elastomers		Air End
3" ANSI Flange 4" ANSI Flange	Aluminum	Nitrile (Buna) Neoprene Santoprene®	EPDM Urethane	Aluminum





3-4" HDF3-M / 4-M Metallic

€x (€

SOLIDS HANDLING

MAX FLOW

MAX PRESSURE

DISPLACEMENT

Up to 3" (75 mm)

303 GPM (1,147 LPM) 125 psi (8.6 bar)

1.15 gallon (4.35 liter)

OPTIONS				
Porting	Wet End	Elastomers		Air End
3" ANSI Flange 4" ANSI Flange	Cast Iron	Nitrile (Buna) Neoprene Santoprene®	EPDM Urethane	Cast Iron





HD20F Non-Metallic

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SOLIDS HANDLING

MAX FLOW

MAX PRESSURE

DISPLACEMENT

Up to 1.8" (46mm)

150 GPM (568 LPM)

100 psi (7.0 bar)

0.50 gallon (1.9 liter)

OPTIONS				
Porting	Wet End	Elastomers		Air End
2" NPT / BSP Threaded 2" ANSI / DIN Combination Flange	Polypropylene Stainless Steel (Seats only)	Nitrile (Buna) Neoprene Hytrel [®] Santoprene [®]	Fluorocarbon (FKM) EPDM Urethane	Polypropylene





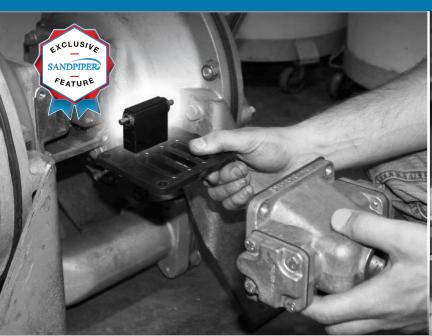
SANDPIPER'S EXTERNALLY SERVICEABLE AIR DISTRIBUTION SYSTEM (ESADS+PLUS)

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

COMPETITORS





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



PARTS & ACCESSORIES

EVERYTHING YOU NEED TO COMPLETE YOUR PUMP SYSTEM

SANDPIPER GENUINE PARTS SERVICE KITS

WET END KITS / AIR END KITS

SANDPIPER is pleased to offer you the trusted Genuine Parts you need, sold in convenient kits or individual parts. Whatever you need to make pump repairs, we have you covered.

Wet End Kits

- Diaphragms
- Flaps
- Seats

Air End Kits

- Gaskets
- O-Rings
- Seals
- Retaining Rings
- · Air Valve Sleeve and Spool
- Pilot Valve Assembly
- Lubricant

AIR FILTER / REGULATORS

RELIABLE FILTER / REGULATORS SPECIFICALLY DEVELOPED FOR AODD PUMPS

- · Adjust and lock to deliver constant air pressure
- Polyurethane bowl offers improved chemical resistance
- Include a durable liquid filled pressure gauge to dampen the effects of pulsation and vibration
- Integral mounting slots eliminate the need for mounting brackets
- Automatic drain removes condensate

TRANQUILIZERS®

PULSATION DAMPENERS / SURGE SUPPRESSORS

- Provide virtually surge-free flow
- Steady pressure
- · Less vibration and noise
- Automatically self-charging and self-venting
- Protect other system components
- · Long-life balanced diaphragm

LIQUID LEVEL CONTROL

AUTOMATIC, FLOAT ACTUATED UNIT OPENS & CLOSES AIR SUPPLY TO YOUR AODD PUMP

- Pneumatic operation requires no electricity
- Adjustable operating range from a few inches to 9 feet (2.7 meters)
- · Simple design is easy to install and operate, with few moving parts
- Reversible operation capable





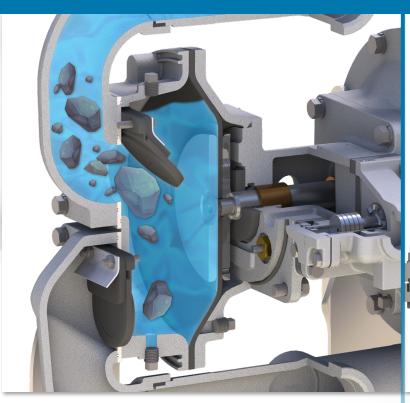
SANDPIPER

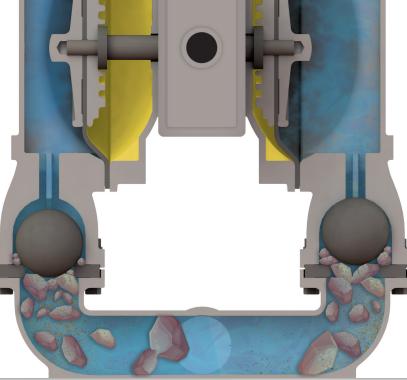
VS

TYPICAL

TOP DISCHARGE BALL VALVE PUMP

HEAVY DUTY FLAP VALVE PUMP





Large Solids Easily Pass Through
The Pump

Large Solids Cannot Pass Through The Pump Affecting Operation



OUR SIGNATURE ENSURES YOUR SUCCESS

SANDPIPER Signature Series AODD pumps are engineered to deliver industry leading durability and performance, even for your most severe applications and environments.



Warren Rupp, Inc. | A Unit of IDEX Corporation 800 North Main Street, Mansfield, OH 44902 USA Phone: 419.524.8388 | Fax: 419.522.7867 SANDPIPERPUMP.COM



Contact Your Local Distributor to Place Your Order:

