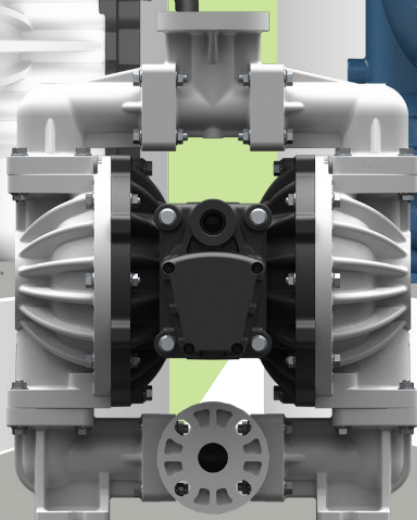
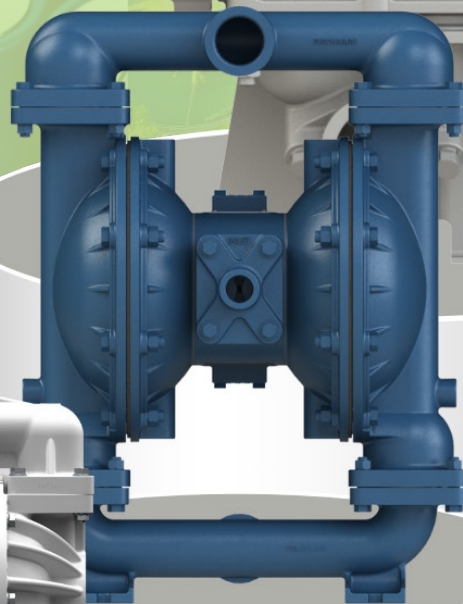
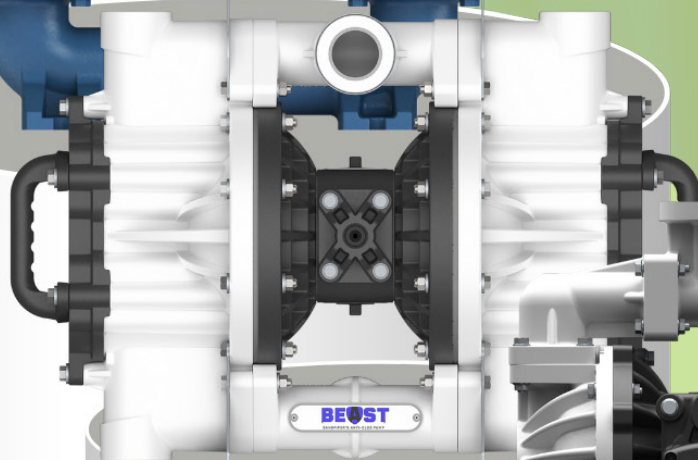
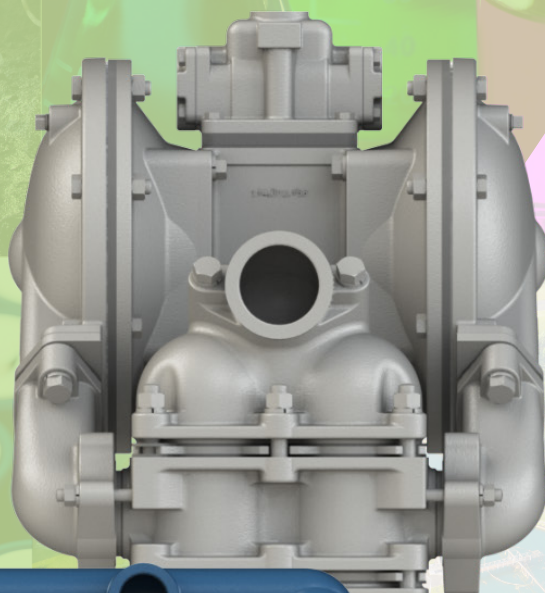
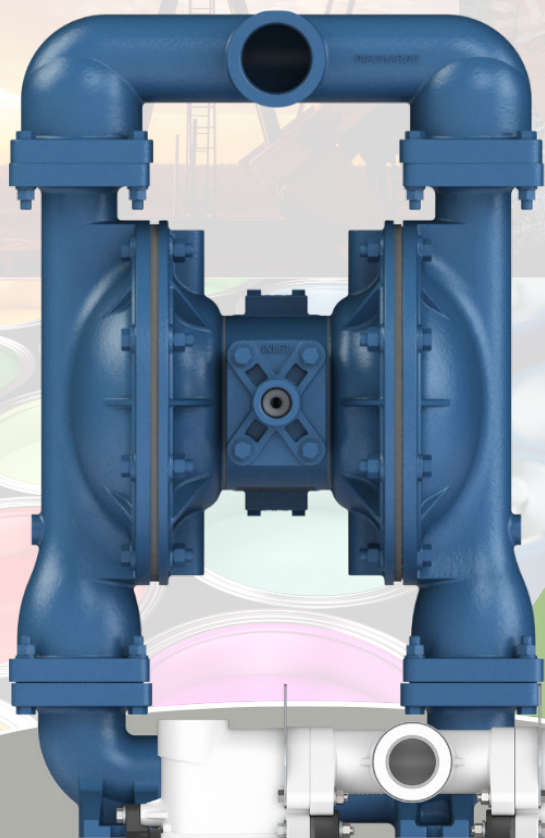


SANDPIPER®

A WARREN RUPP, INC. BRAND | SANDPIPERPUMP.COM

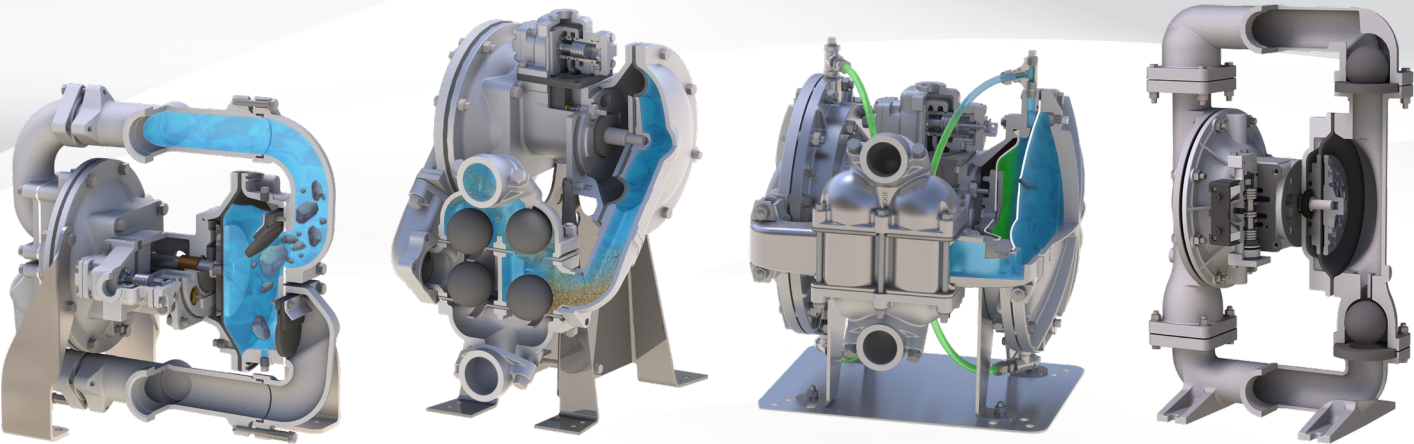


When only the best will do, select SANDPIPER.

PRODUCT CATALOG

With a rich history of over 55 years in delivering exceptional Air Operated Double Diaphragm pumping solutions and unparalleled expertise, SANDPIPER has established itself as the best-in-class leader in tackling your toughest and most demanding pumping challenges.

When only the best will do, select SANDPIPER.



Heavy Duty
Flap Valve

For fluids containing
up to line size solids.

Heavy Duty
Ball Valve

For fluids containing
settling, suspended
& floating solids.

Containment Duty
Ball Valve

The only complete line of
AODD pumps featuring
superior fluid containment;
protecting your people,
environment and pump.

Standard Duty
Ball Valve

These versatile and
mobile pumps have
the best-in-class flow
rates and the lowest air
consumption available.

TABLE OF CONTENTS

- 2-11 Why SANDPIPER?
- 12-17 Standard Duty
- 18-21 Heavy Duty
- 22-23 Containment Duty
- 24-27 Oil & Gas
- 28-34 FDA Sanitary
- 35-37 Submersibles, UL & High Pressure
- 38-46 Accessories & Genuine Parts

VISIT OUR
WEBSITE



To accommodate the digital landscape, we have refined the catalog information to a more concise format. All pertinent details removed from this catalog are available on our website. Click the QR code to visit www.sandpiperpump.com.

OUR SIGNATURE ENSURES YOUR SUCCESS

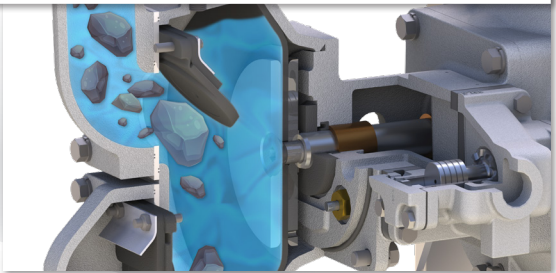
SANDPIPER Signature Series AODD pumps are engineered to deliver industry leading durability and performance, even for your most severe applications and environments

SANDPIPER

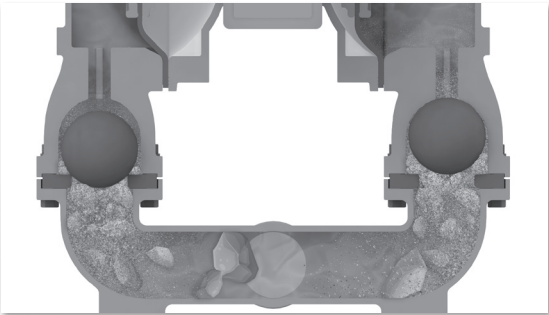
VS

COMPETITION

HEAVY DUTY FLAP VALVE PUMP

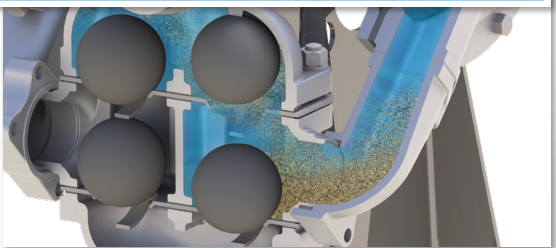


Large solids easily pass through pump

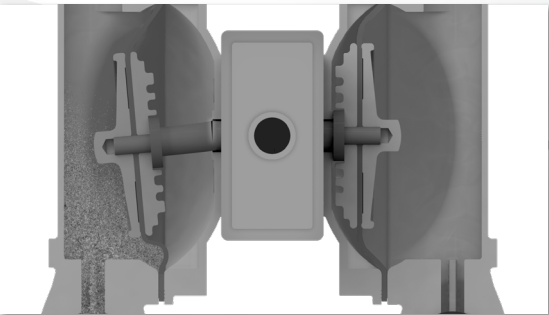


Large solids cannot pass through pump, affecting operation

HEAVY DUTY BALL VALVE PUMP

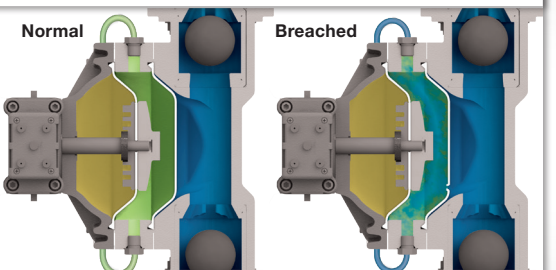


Settling solids easily pass through pump

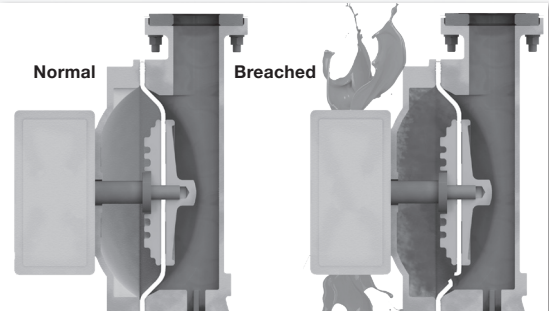


Settling solids collect inside pump,
causing damage & affecting operation

CONTAINMENT DUTY PUMP

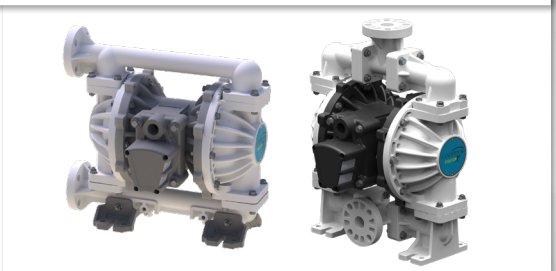


Contains fluid when diaphragm becomes breached



Fluid escapes to environment when diaphragm becomes breached.

STANDARD DUTY



Overall Highest Performance, Efficiency & Serviceability Available



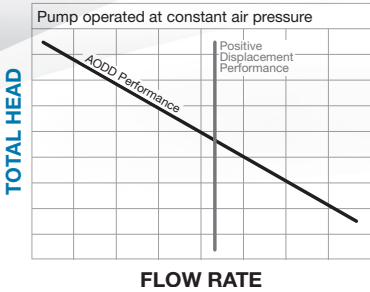
Lower Performance, Efficiency, Reliability & Serviceability

WHY CHOOSE AODD PUMPS

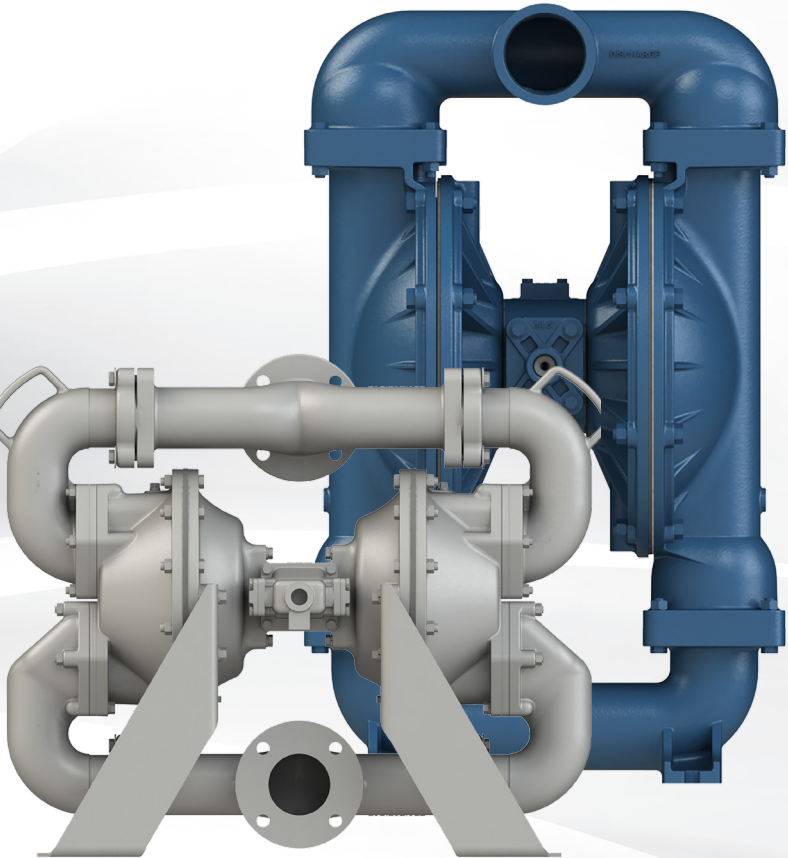
Performing in the most challenging applications, AODD pumps deliver unique benefits that are unrivaled by other pump technologies

AODD pumps are air (or natural gas) operated displacement type pumps which uniquely differ from all other positive displacement pumps. As a result of air pressure acting on the entire surface of the diaphragm, the diaphragm is in a balanced condition while pumping. This measurably extends diaphragm life over that of mechanically operated diaphragm pumps. Because compressed air is limited, the maximum pressure developed by the pump is also safely limited. Thus, AODD pumps are appropriately selected for on-demand intermittent requirements.

Unique Performance

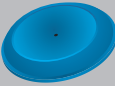









Although the AODD pump is a positive displacement type of pump, it is actually a hybrid and defies strict classification. While its pressure versus capacity characteristics resemble those of a centrifugal pump, it is best defined as a sealless, non (or semi) positive displacement pump.



Features & Benefits

-  Dry-run without damaging the pump or system
-  Pumps solid laden fluids without pump or product damage
-  Self-priming, works in suction lift applications
-  Deadheads safely, with no pump or product damage
-  Shear sensitive, does not shear or separate product being pumped
-  No electricity required, and can be fully grounded
-  Low initial purchase price compared to other technologies
-  Submersible, can be submerged completely without safety or performance issues
-  Sealless design, no expensive mechanical seals or packing are required
-  Variable flow and head pressures, without sophisticated controls
-  Optional bottom discharge porting depending on fluid characteristics

AODD VS. OTHERS	 AODD	Kinetic Centrifugal	Positive Displacement					 EODD
		 Centrifugal	 Lobe	 Gear	 Progressive (Screw)	 Peristaltic (Hose)	 Piston/Plunger	
Variable Flow & Head Control <i>(inherently adjustable)</i>	✓	✓	!	!	!	!	!	!
Deadheads Safely <i>(at zero energy consumption)</i>	✓	!	!	!	!	!	!	!
Dry-Running	✓	✗	✗	✗	✗	✗	✗	✓
Dry-Priming <i>(lift installations)</i>	✓	✗	✗	✓	✗	✗	!	!
No Installation Alignment Required	✓	✗	✗	✗	✗	✗	✗	✗
No Electrical Installation Required	✓	✗	✗	✗	✗	✗	✗	✗
Portability	✓	✓	!	!	!	✓	!	!
Submersible	✓	!	✗	✗	✗	✗	✗	✗
Sealless <i>(no packing or mechanical seals)</i>	✓	!	!	!	!	✓	!	✓
No Slip <i>(thin liquids)</i>	✓	✓	!	!	!	✓	!	✓
Cavitation Tolerance <i>(low NPSHa)</i>	✓	✗	!	!	✓	!	!	✓
Low Shear & Degradation	✓	✗	✓	✓	!	!	!	✓

✓ = Suitable ! = Limitations ✗ = Not Recommended

AODD PUMP RESOURCES TO KEEP YOUR SYSTEMS OPERATING AT PEAK PERFORMANCE




Visit the Resources Page


OPERATION & INSTALLATION


Fixed, mounted or portable SANDPIPER pumps are designed to perform in the most difficult conditions

Installation Versatility

All installations are run-dry capable. Electricity and heat generation are not required for optimum performance.

-  **Suction Lift**
- Self-priming
 - High vacuum capable
 - Max lift of 32' (9.8m)







-  **Flooded Suction**
- Preferred for viscous fluids
 - Most common application
 - Screened inlet option

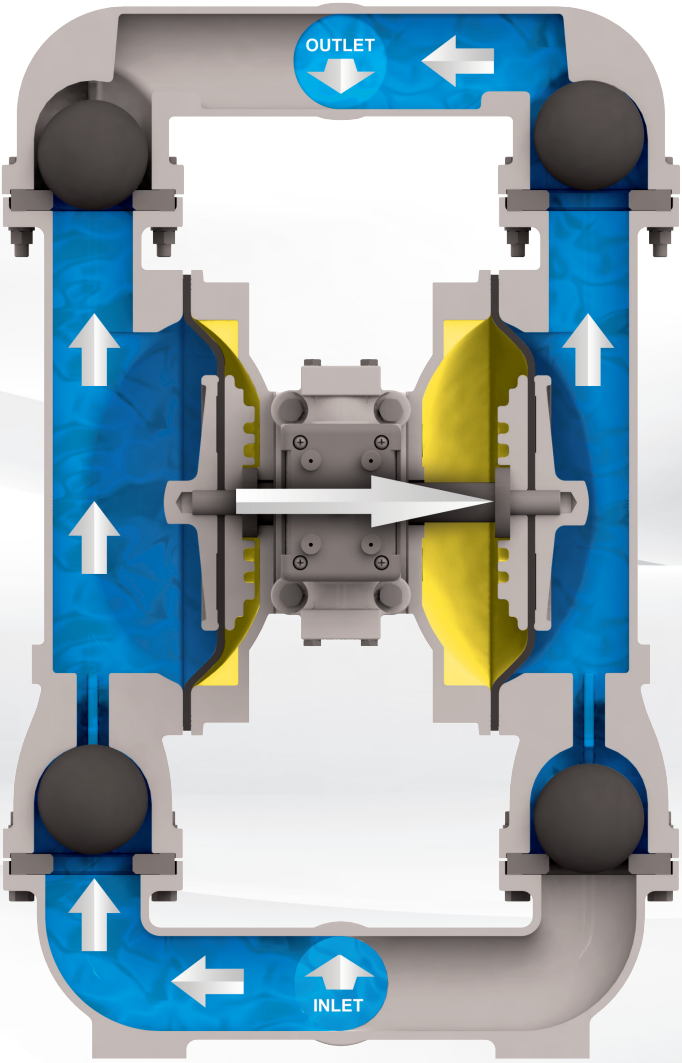
-  **Submerged**
- Capable of full submersion
 - Screened inlet option

NOTE: Consult your distributor or service manual for proper materials of construction and installation for your application.

THE SANDPIPER ADVANTAGE

With over 50 years of pumping expertise, we provide application driven pumping solutions

-  **All Bolted Construction**
Superior reliability is defined by our all bolted pump construction that allows for instant part alignment, uniform torquing of seals, and high pressure capabilities
-  **Various Power Sources**
SANDPIPER pumps operate at optimum performance using compressed air, but we also have pumps available for running off of your local reserve of natural gas
-  **Tested Quality**
SANDPIPER pumps are 100% wet tested after final assembly to ensure proper functionality; Testing includes, but is not limited to, deadheading, priming, and sealing
-  **Superior Performance**
For Flap Valve pumps the hinge pads exert positive pressure on the flaps allowing the pump to operate in virtually any position, helping deliver superior suction lift and flow rates
-  **Guaranteed Connecting Rod**
Our durable, corrosion resistant 416 (Martensitic) and/or 316 (Austenitic) Stainless Steel diaphragm connecting rod is guaranteed not to yield under tension, compression, or bending
-  **ESADS+Plus Air Valve**
Externally Serviceable Air Distribution System



ROBUST DIAPHRAGM CONNECTING ROD
Guaranteed not to yield under tension, compression, or bending.



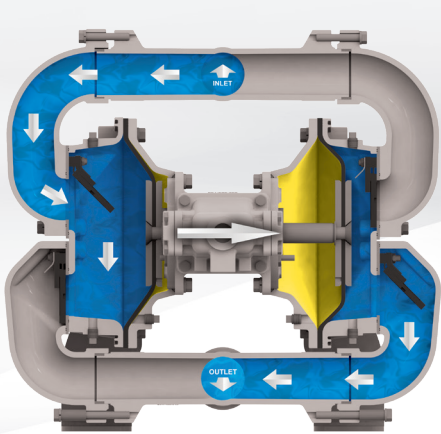
5 YEAR LIMITED PRODUCT WARRANTY
5 Year Guarantee for defects in material or workmanship.



ESADS+PLUS AIR DISTRIBUTION SYSTEM
Allows for quick and easy access to the pilot and spool valves.

EXCLUSIVE PUMP CONFIGURATIONS

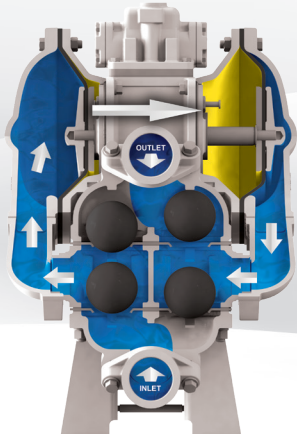
With the broadest range of configurations, SANDPIPER has the best solutions for your pumping needs.



HEAVY DUTY FLAP VALVE

Unique features for this configuration include:

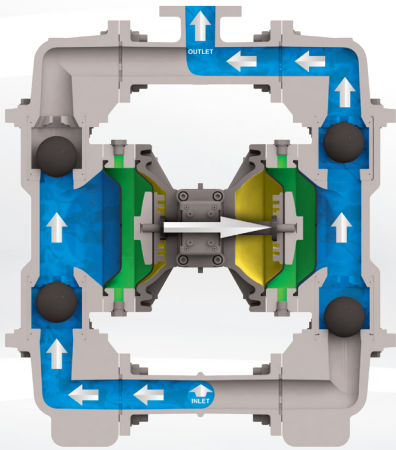
- Pumps up to line size solids
- Bottom discharge porting, discharges settling solids
- Superior suction lift of up to 24 ft.
- Easy access to serviceable components
- Thick manifold and chamber walls
- Diaphragm wear pads extend service life



HEAVY DUTY BALL VALVE

Unique features for this configuration include:

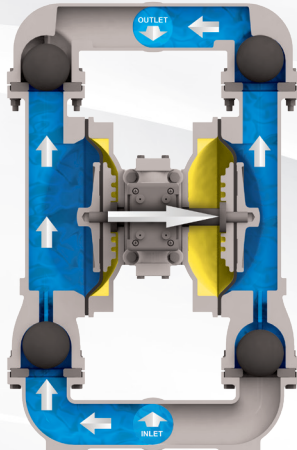
- Down ported option, discharges settling solids
- Weighted check balls for handling viscous fluids
- Top ported option, discharges floating solids, suspended solids or entrained gases
- Side ported option for use in confined spaces
- Thick manifold and chamber walls
- Diaphragm wear pads extend service life



CONTAINMENT DUTY BALL VALVE

Unique features for this configuration include:

- Containment chamber with leak detection
- Hydraulically balanced / coupled pumping and driver diaphragm assemblies
- Solids range +.25" (6mm) to .71" (18mm)
- Dry primes up to 18' of water
- prevent compressed air from entering pumped fluid in the event of a diaphragm failure



STANDARD DUTY BALL VALVE

Unique features for this configuration include:

- Solids range +.03" (1mm) to .71" (18mm)
- Dry primes up to 20' of water
- ESADS+ Air Distribution System

ENGINEERING CAPABILITIES

No matter the circumstances, we provide custom engineered solutions to maximize the productivity of all processes

Quality Assurance

To complete the pump assembly process, the following tests are run to ensure a quality built product:

1. Dry Cycled Test

- Checked for rhythmic cycling
- Checked for abnormal vibrations
- Checked for motion abnormalities

2. Wet Cycled Test

- Checked for dry priming
- Checked for cycling characteristics
- Checked for abnormal noise levels

3. Vacuum Characteristics Test

4. Dead Head Characteristics Test

- Checked for maximum fluid pressure
- Checked for leakage
- Checked for valving bypass

5. Visual Inspection

- Hardware checked
- Mating surfaces checked
- Paint quality checked
- Packaging checked

Product Services



Performance Testing

100% of all pumps are wet tested at the end of the manufacturing process including pressure testing and deadheading to ensure leak free performance.



Pressure Testing

Hydro/pneumatic testing 90 psi (standard), hydro/pneumatic 1.5 times maximum operating pressure



Repair Services

Pump repair services for labor only



Material & Pump Certificates

Certificate of origin, conformance (pump) and compliance (material), material tests reports, non-certified or certified dimensional outlines (contact SANDPIPER Application Engineering to order)



Material Testing

PMI (Positive Material Identification), hardness testing, and others upon request

MARKETS & APPLICATIONS

SANDPIPER pumps are built to exceed the demands of your sump, waste treatment, and other applications listed below



CERAMICS



CHEMICAL



COATINGS



PHARMA



MINING



OIL & GAS



FOOD & BEVERAGE



PULP & PAPER



WASTEWATER



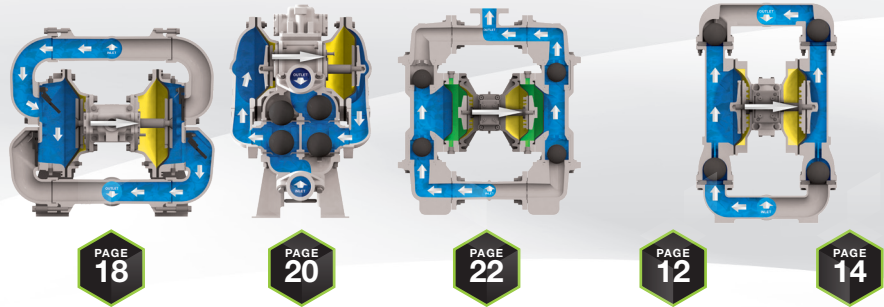
ALL MARKETS

PUMP SELECTION

A fundamental review of fluid characteristics, intended installation & duty requirements are recommended for “best fit” design selections

Pump Characteristics

Whether measuring mean time between failures, repairs, changes or maintenance, this design selection best practice will ensure the longest pump life.



SIGNATURE CONFIGURATIONS		Heavy Duty Flap Valve	Heavy Duty Ball Valve	Containment Duty Ball Valve	Standard Duty Ball Valve - Metallic	Standard Duty Ball Valve - Non-Metallic
Specifications	Suction / Discharge Port Sizes	1" through 4"	1" through 4"	1" through 3"	¼" through 3"	¼" through 3"
	Max Flow Rate Per Minute	310 Gal. (1173 L)	300 Gal. (1136 L)	260 Gal. (988 L)	285 Gal. (1079 L)	280 Gal. (1060 L)
	Max Discharge Heads	289' (88m) of water @125psi	289' (88m) of water @125psi	289' (88m) of water @125psi	289' (88m) of water @125psi	231' (70m) of water @100psi
	Max Displacement Per Stroke	1.62 Gal. (6.15 L)	1.8 Gal. (6.8 L)	1.25 Gal. (4.73 L)	0.94 Gal. (3.56 L)	0.9 Gal. (3.41 L)
	Max Dry Prime	24' (7m)	20' (6m)	18' (5.5m)	20' (6m)	20' (6m)
	Max Solids Handling	3" (75mm)	.88" (22mm)	.44" (10mm)	.38" (10mm)	.71" (18mm)
Fluid Characteristics	Water	+	+	+	+	+
	Suspended Solids	+	+	✓	+	✓
	Non-Suspended Solids	+	!	X	!	X
	Line Size Solids	+	X	X	X	X
	Sludge / Slurry	+	+	!	✓	!
	High Viscosity (Flowable Fluids)	✓	+	✓	✓	✓
	Erosion / Abrasive Fluids	High	+	+	!	!
		Moderate	+	+	!	!
		Low	+	+	✓	✓
	Corrosion	✓	✓	+	✓	+
Installation	Permanent	+	+	✓	✓	✓
	Portable	+	+	+	+	+
	Containment / Prevention	!	!	+	!	!
	Flooded Suction	✓	+	✓	✓	✓
	Suction Lift	+	✓	✓	✓	✓
	Submerged	✓	✓	!	✓	!
Duty	Intermittent / On-Demand	+	+	+	+	+
	Continuous	✓	+	✓	✓	✓

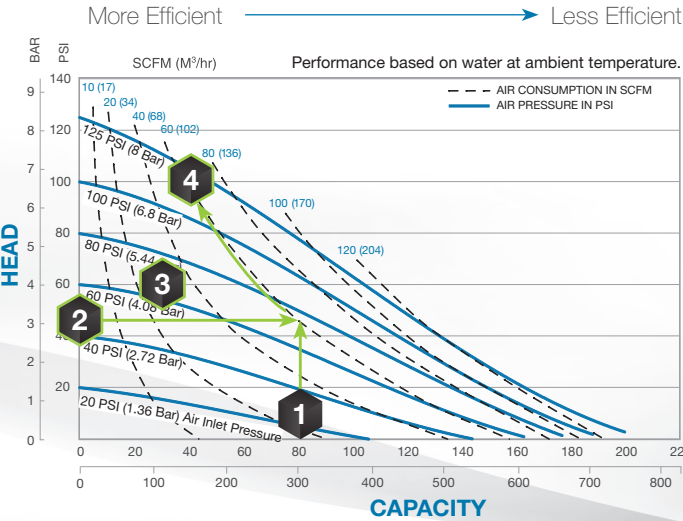
+ = Best Type ✓ = Suitable ! = Limitations X = Not Recommended

Pump Performance

- 1 **Select Flow Rate (GPM)**
Example: 80 GPM
- 2 **Determine Discharge Head (PSI)**
Example: 45 PSI
- 3 **See Inlet Air Pressure (PSI)**
Example: 78 PSI
- 4 **See Air Consumption (SCFM)**
Example: 60 SCFM

Selection Tip: Size-Up
See the MTBF section below to learn the impact of sizing up your pump to increase energy savings and reduce wear on the pump to measurably reduce total cost of ownership

2" Curve Example: 80 GPM, 45 PSI = 60 SCFM.

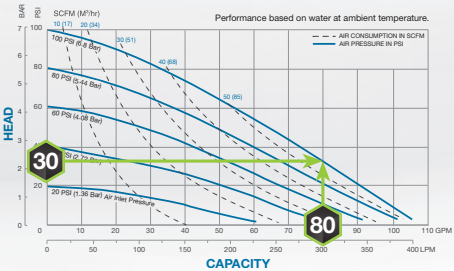


Sizing to Extend Mean Time Between Failures

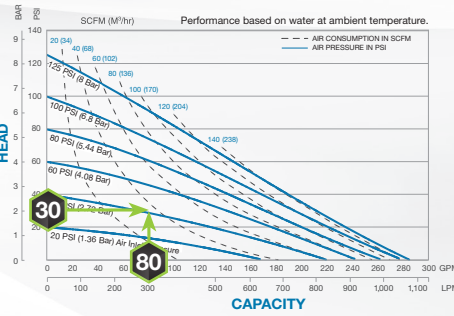
Pumping requirements (flow & head) for most applications can be met by multiple sizes of pumps. Talk to SANDPIPER's application engineers to assist you with a size selection which best fits your total cost of ownership budget. An appropriately sized-up pump will lower the consolidated initial investment, repair, labor and energy costs. This **BEST PRACTICE** ensures desirable returns on the initial investment frequently measurable in weeks.

Experienced application engineers are available to help you determine the best fit pump size for your application. Call our factory or email: WRM.APPTECH.SP@IDEXCORP.COM

1½" Standard Duty
30 PSI, 80 GPM = 90 SCFM



3" Standard Duty
30 PSI, 80 GPM = 38 SCFM



Additional Resources

Chemical Guide
This chemical compatibility guide will help you zero in on the pump that fits your process best.
CHEMGUIDE.SANDPIPERPUMP.COM



Technical Resources
Find further information on sizing and selection of SANDPIPER products at
SANDPIPERPUMP.COM/RESOURCES/TECHNICAL



STANDARD DUTY BALL VALVE PUMPS - METALLIC

Offering the widest range of performance and application capabilities

Standard Duty Metallic Pumps are ideally suited for intermittent / on-demand, portable, moderately abrasive fluids, and suspended solids. Standard duty pumps are constructed in Aluminum, Cast Iron, Stainless Steel with elastomer TPE (thermal plastic elastomers) and PTFE options in diaphragms and check valves.

Certifications Available

ESADS+Plus Air Valve
Externally Serviceable Air Distribution System

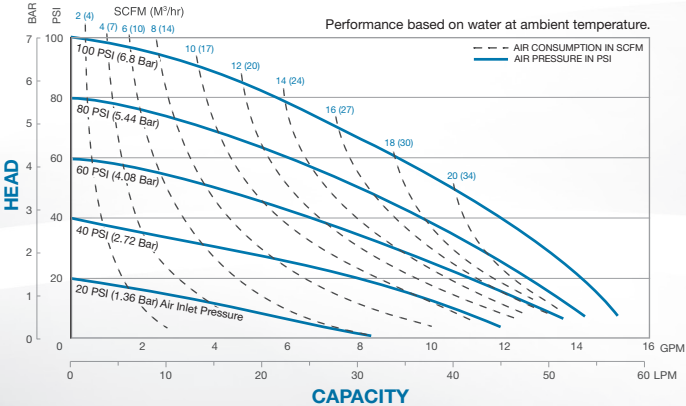


Learn more about these pumps

1/2"
12mm

S05 Metallic

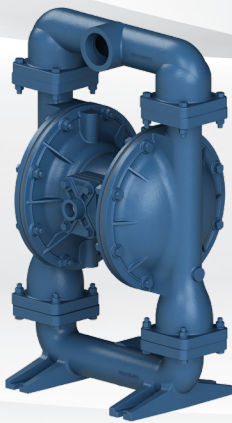
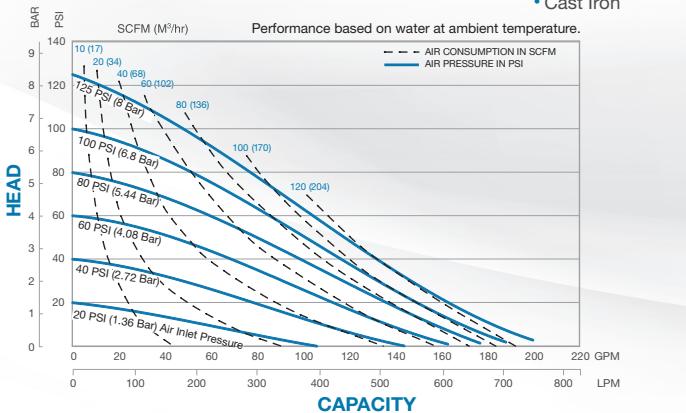
- MAX FLOW
• 15 GPM (57 LPM)
- PORTING
• NPT / BSP
• ANSI Flange
- AIR END
• Aluminum
- WET END
• Aluminum
• Stainless Steel



2"
50mm

S20 Metallic

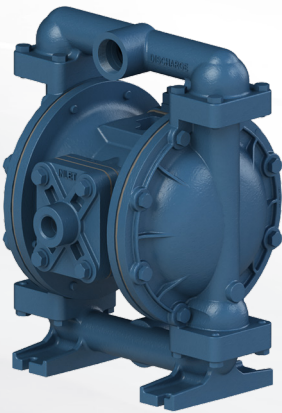
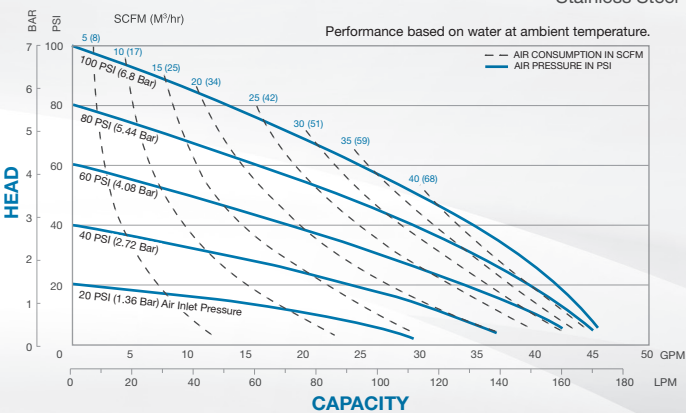
- MAX FLOW
• 200 GPM (758 LPM)
- PORTING
• NPT / BSP
• ANSI / DIN Flange
- AIR END
• Aluminum
- WET END
• Aluminum
• Stainless Steel
• Cast Iron



1"
25mm

S1F Metallic

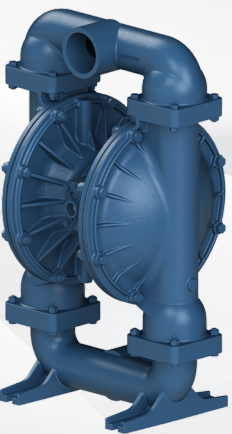
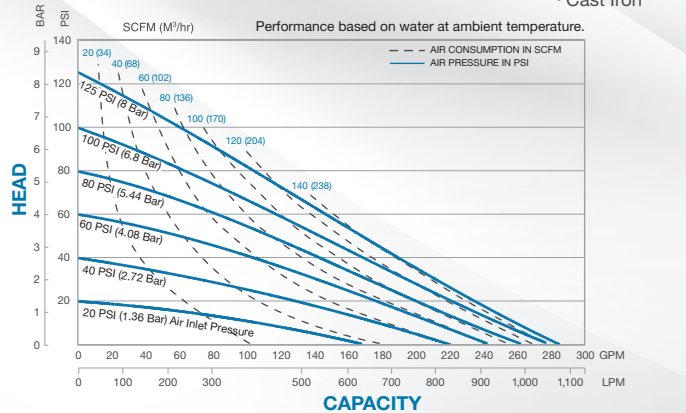
- MAX FLOW
• 45 GPM (170 LPM)
- PORTING
• NPT / BSP
• ANSI / DIN Flange
- AIR END
• Aluminum
- WET END
• Cast Iron
• Aluminum
• Stainless Steel



3"
75mm

S30 Metallic

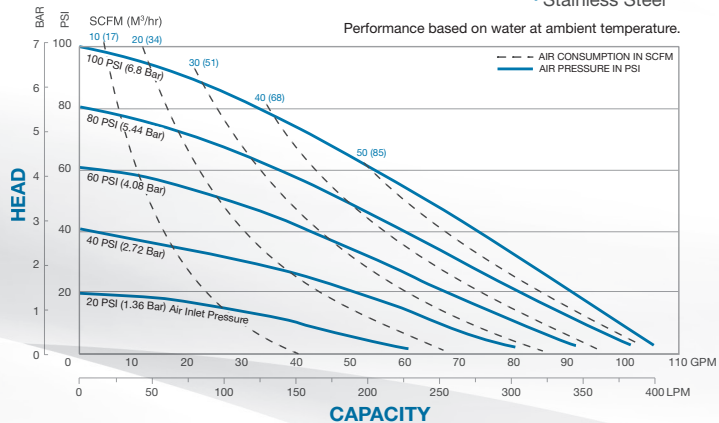
- MAX FLOW
• 285 GPM (1,078 LPM)
- PORTING
• NPT / BSP
• ANSI / DIN Flange
- AIR END
• Aluminum
- WET END
• Aluminum
• Stainless Steel
• Cast Iron



1 1/2"
38mm

S15 Metallic

- MAX FLOW
• 106 GPM (401 LPM)
- PORTING
• NPT / BSP
• ANSI Flange
- AIR END
• Aluminum
- WET END
• Cast Iron
• Aluminum
• Stainless Steel



STANDARD DUTY BALL VALVE PUMPS - NON-METALLIC

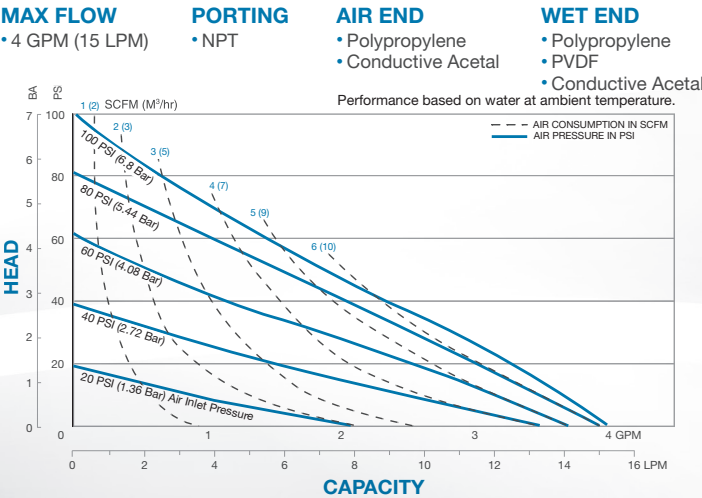
Offering the widest range of performance and application capabilities

Standard Duty Non-Metallic Pumps are suited for intermittent / on-demand, portable, moderately abrasive fluids, and suspended solids. These pumps are constructed in non-metallic materials such as PTFE, Polypropylene, PVDF, Conductive Polypropylene, Conductive PVDF and Nylon with elastomer TPE (thermal plastic elastomers) and PTFE options in diaphragms and check valves.

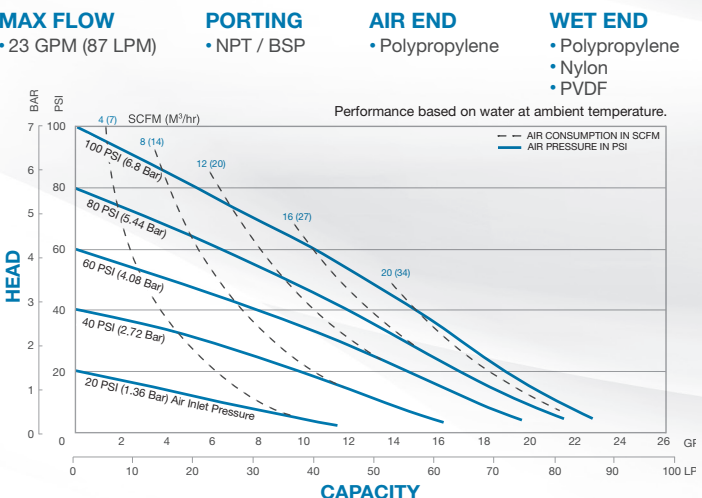


Learn more about these pumps

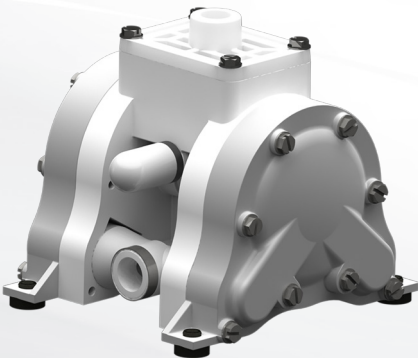
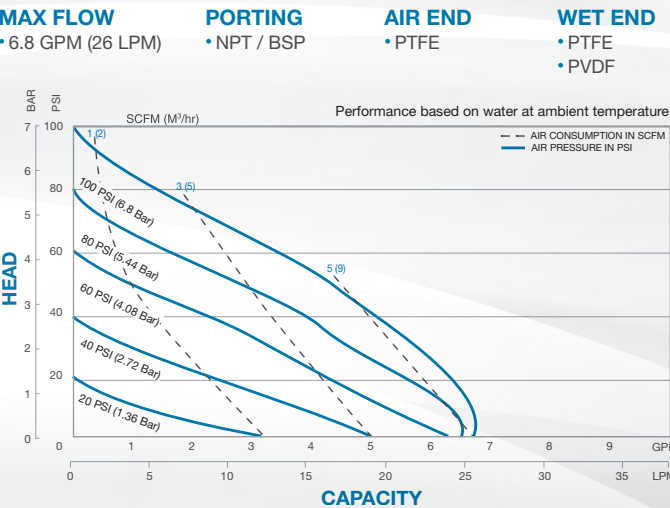
1/4" Non-Metallic



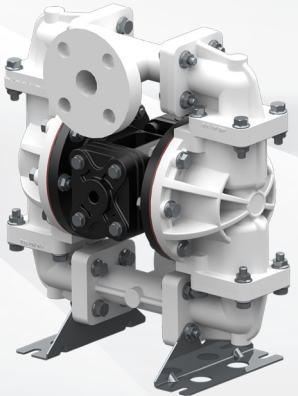
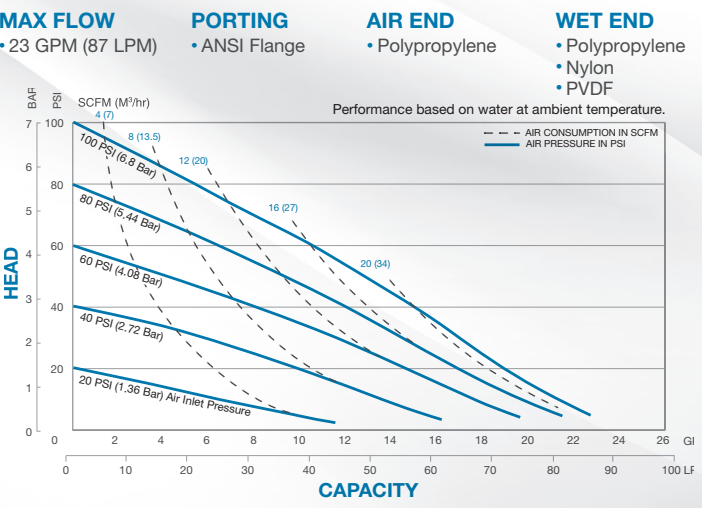
3/4" Non-Metallic



3/8" Non-Metallic



1" Non-Metallic

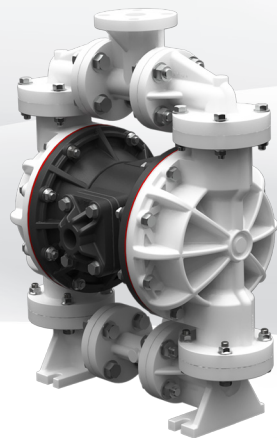
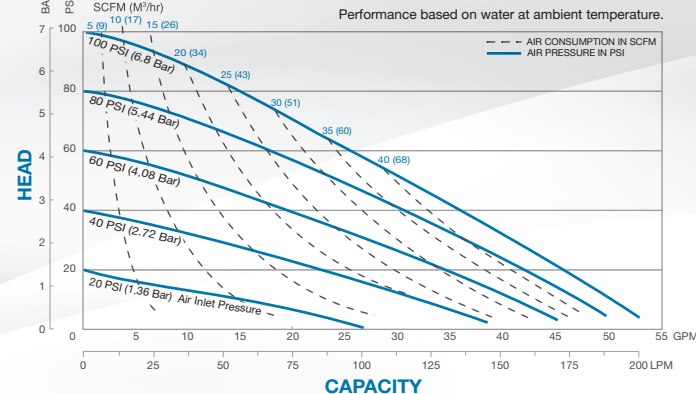


STANDARD DUTY BALL VALVE PUMPS - NON-METALLIC

1" 25mm

S1F Non-Metallic

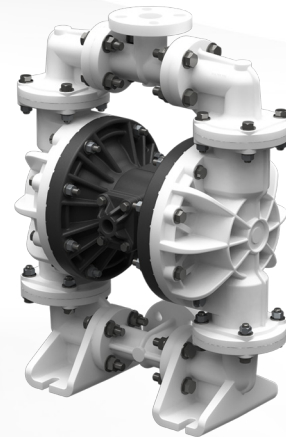
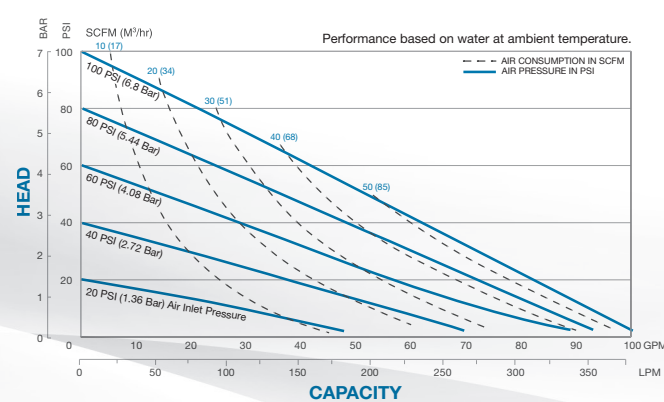
- | | | | |
|---------------------------------------|--|---|--|
| MAX FLOW
• 53 GPM (200 LPM) | PORTING
• ANSI Flange
• DIN Flange
• NPT | AIR END
• Polypropylene
• 40% Glass Filled Polypropylene
• Conductive Polypropylene | WET END
• Polypropylene
• PVDF
• Conductive Polypropylene
• Conductive PVDF |
|---------------------------------------|--|---|--|



1 1/2" 38mm

S15 Non-Metallic

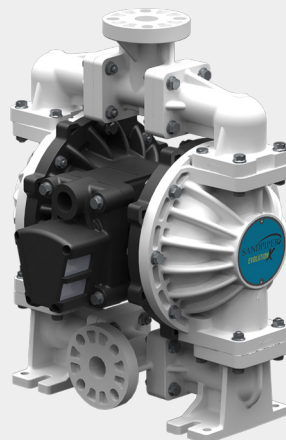
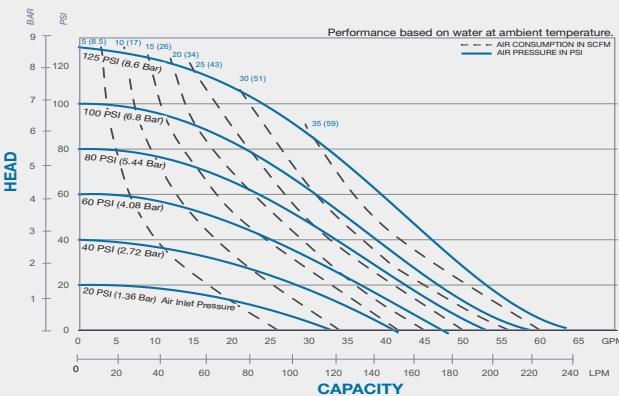
- | | | | |
|--|---|---|---|
| MAX FLOW
• 100 GPM (378 LPM) | PORTING
• ANSI Flange
• DIN Flange | AIR END
• Polypropylene
• Conductive Polypropylene | WET END
• Polypropylene
• PVDF
• Conductive Polypropylene |
|--|---|---|---|



1" 25mm

SPE10 EVOLUTIONX

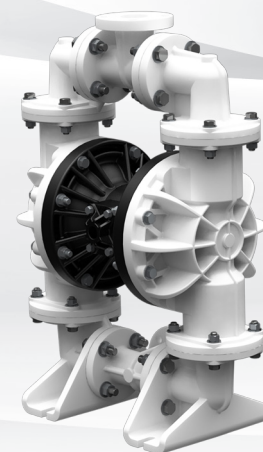
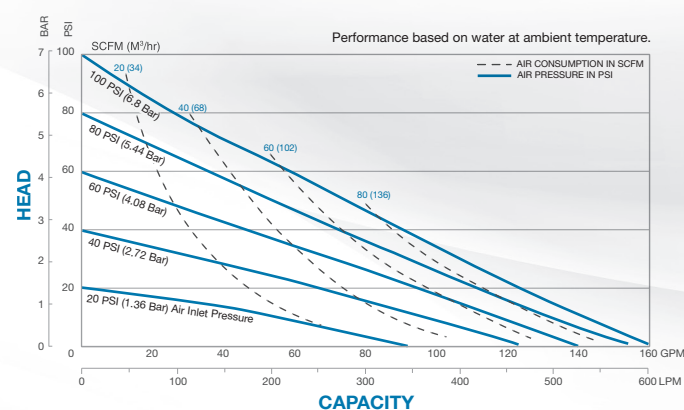
- | | | | |
|---------------------------------------|-------------------------------------|-----------------------------------|---|
| MAX FLOW
• 63 GPM (238 LPM) | PORTING
• ANSI/DIN Flange | AIR END
• Polypropylene | WET END
• Polypropylene
• PVDF
• Conductive Polypropylene |
|---------------------------------------|-------------------------------------|-----------------------------------|---|



2" 50mm

S20 Non-Metallic

- | | | | |
|--|--------------------------------------|---|---|
| MAX FLOW
• 160 GPM (605 LPM) | PORTING
• Universal Flange | AIR END
• Polypropylene
• Conductive Polypropylene | WET END
• Polypropylene
• PVDF
• Conductive Polypropylene |
|--|--------------------------------------|---|---|



SANDPIPER pumps are evolving to perform better than ever. Introducing the new, patent pending SANDPIPER EvolutionX 1" pump, the first to launch in a series of pump sizes. This innovative air operated double diaphragm pump design is the culmination of over 55 years of industry leading research, development and engineering in pump & fluid dynamics. The EvolutionX represents the pinnacle of performance, efficiency and serviceability.

Features:

- Lower energy use – Achieves an incredible 20% average increase in air efficiency throughout the entire curve over our prior model.
- High flow – The EvolutionX has the highest flow rate of any other 1" AODD pump.
- Enhanced Convenience – Exponentially reduce AODD pump assembly and service time

Increased Installation & Porting Flexibility:

Durable, non-metallic construction rated for operation up to 125 psi with ATEX versions available. The standard EvolutionX configuration features a versatile 3-piece manifold with a universal ANSI & ISO flanged connection. Users can quickly adjust the discharge outlet for porting in multiple directions. Other porting options include a single-piece end-ported manifold or a dual-ported option. The mounting feet are extremely versatile and fit existing SANDPIPER pumps and multiple other manufacturers' dimensions.



Learn More

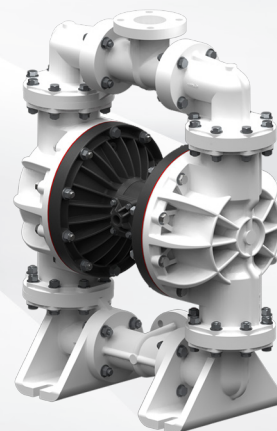
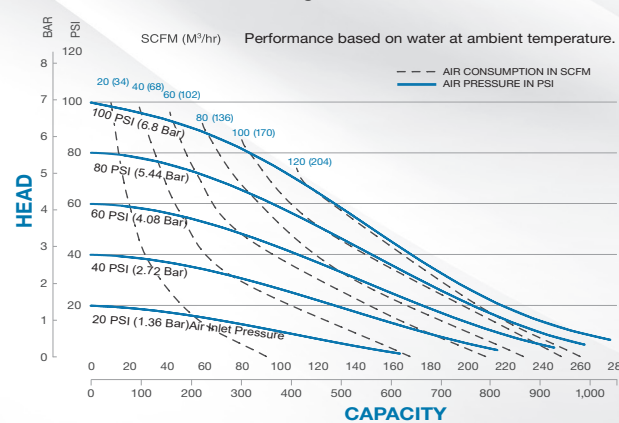


Watch the video here

3" 75mm

S30 Non-Metallic

- | | | | |
|--|---|--|---|
| MAX FLOW
• 280 GPM (1,061 LPM) | PORTING
• ANSI Flange
• DIN Flange | AIR END
• Glass Filled Polypropylene | WET END
• Polypropylene
• PVDF |
|--|---|--|---|



HEAVY DUTY FLAP VALVE PUMPS

For Fluids Containing up to Line Size Solids

HDF Pumps are recommended for abrasive slurries, non-suspended solids and line-size solids requirements. All SANDPIPER Heavy Duty Flap Valve Pumps are configured in bottom discharge porting arrangements and provide superior suction lift. HDF pumps are thick wall constructed of Sand Casted Aluminum, Cast Iron and Stainless Steel with elastomer, TPE (thermal plastic elastomers) in diaphragms and check valves. HDF pumps are enhanced with an extended wear package.

Certifications Available

ESADS+Plus Air Valve
Externally Serviceable Air Distribution System

The BEAST badge indicates a Stainless Flap Option is available in that pump model.
The best solution for pumping the broadest range of fluids containing solids and chemicals.

Scan to open the BEAST brochure

Learn more about these pumps

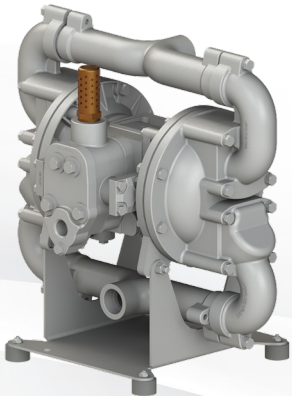
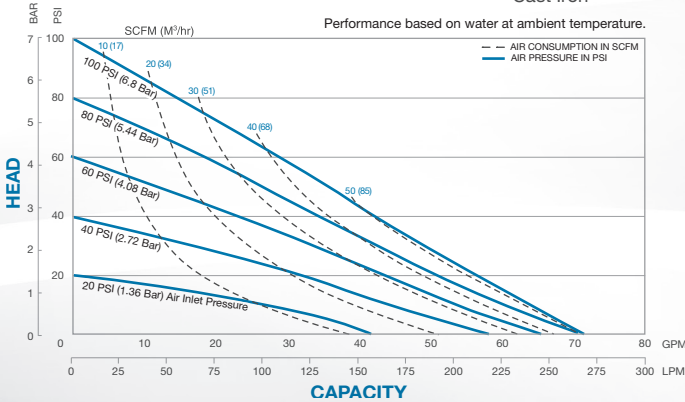
HDF1 / HDF25 Metallic

MAX FLOW
• 70 GPM (265 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum
• Cast Iron

WET END
• Aluminum
• Stainless Steel
• Cast Iron



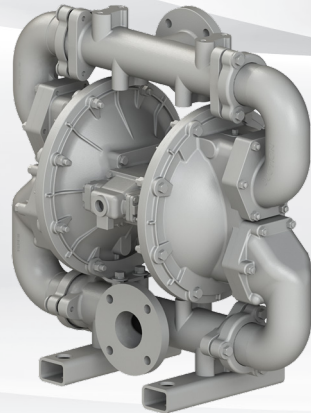
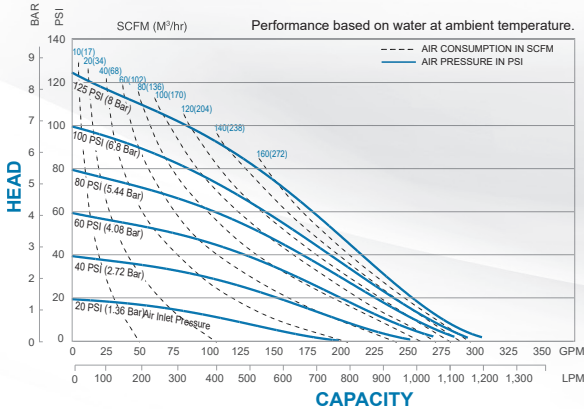
HDF3-M / 4-M Metallic

MAX FLOW
• 303 GPM (1,147 LPM)

PORTING
• ANSI Flange

AIR END
• Cast Iron

WET END
• Cast Iron



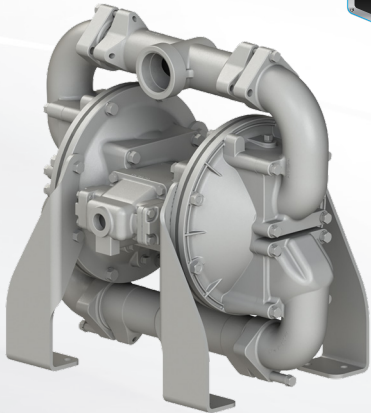
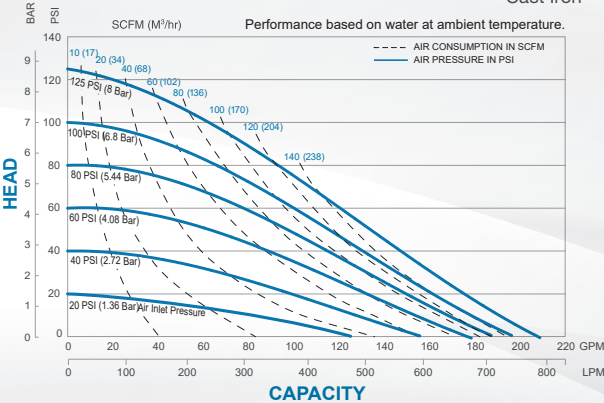
HDF2 / HDF50 Metallic

MAX FLOW
• 208 GPM (787 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum
• Cast Iron

WET END
• Aluminum
• Stainless Steel
• Cast Iron



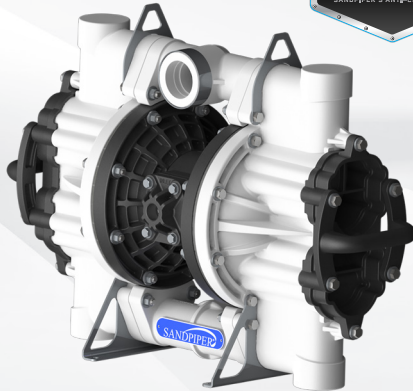
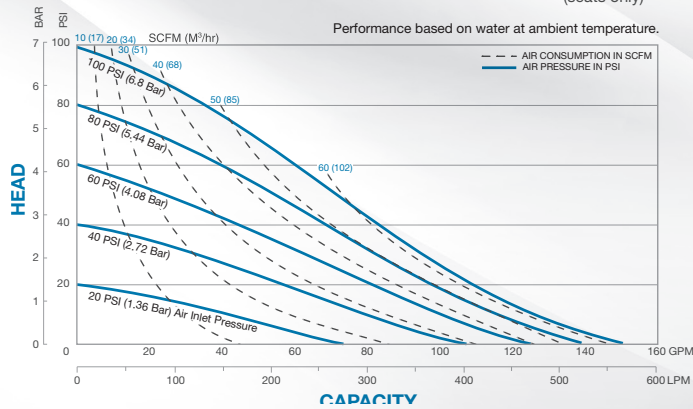
HD20F Non-Metallic

MAX FLOW
• 150 GPM (567 LPM)

PORTING
• NPT / BSPT

AIR END
• Polypropylene

WET END
• Polypropylene
• Stainless Steel (seats only)



*Comming in late 2024

HEAVY DUTY BALL VALVE PUMPS - METALLIC

For Fluids Containing Settling, Suspended & Floating Solids

HDB Metallic Pumps are ideal for thin to highly viscous and small solids-laden fluids, while providing excellent suction lift capability and exclusive variable porting options (side, top, bottom and dual). HDB pumps are thick wall constructed of Sand Casted Aluminum, Cast Iron, Stainless Steel or Alloy C with elastomer, TPE (thermal plastic elastomers) and PTFE options in diaphragms and check valves.

Certifications Available

ESADS+Plus Air Valve

Externally Serviceable Air Distribution System



Learn more about these pumps

1"

25mm

SB1 / SB25 Metallic

MAX FLOW

• 42 GPM (159 LPM)

PORTING

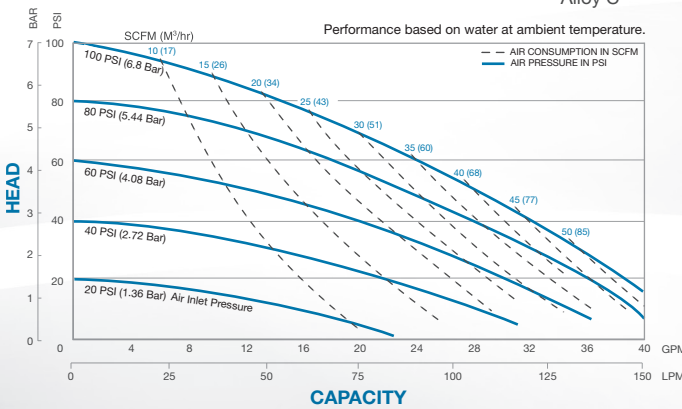
• NPT / BSP

AIR END

• Aluminum
• Cast Iron

WET END

• Aluminum
• Stainless Steel
• Alloy C



1 1/2"

38mm

HDB1 1/2 / HDB40 Metallic

MAX FLOW

• 122 GPM (462 LPM)

PORTING

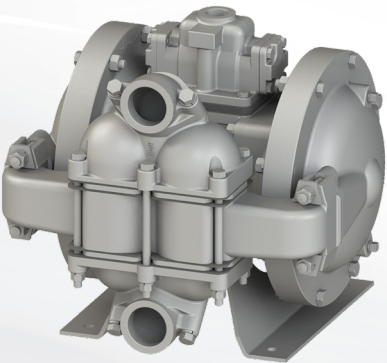
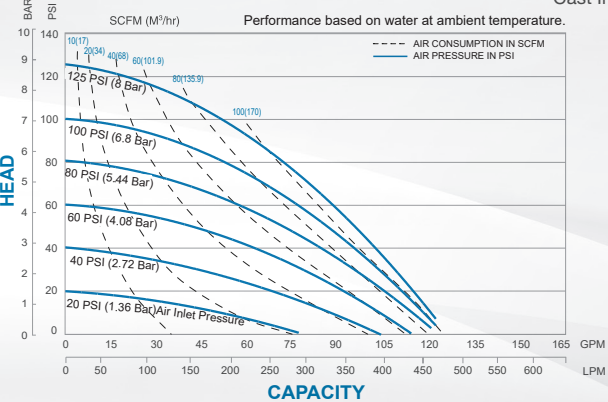
• NPT / BSP
• Available in side port only

AIR END

• Aluminum
• Cast Iron

WET END

• Aluminum
• Stainless Steel
• Alloy C
• Cast Iron



2"

50mm

HDB2 / HDB50 Metallic

MAX FLOW

• 135 GPM (511 LPM)

PORTING

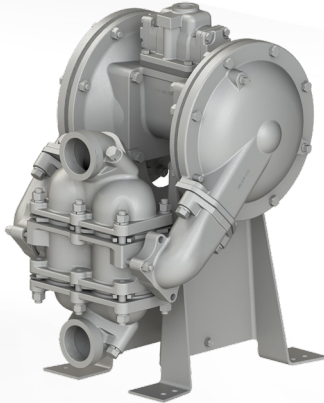
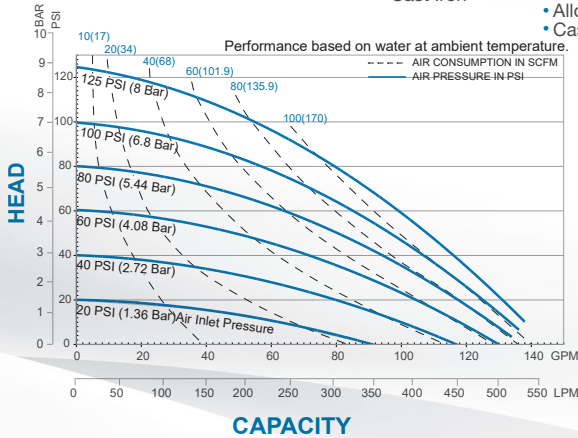
• NPT

AIR END

• Aluminum
• Cast Iron

WET END

• Aluminum
• Stainless Steel
• Alloy C
• Cast Iron



3-4"

75-102mm

HDB3 / HDB4 Metallic

MAX FLOW

• 300 GPM (1,136 LPM)

PORTING

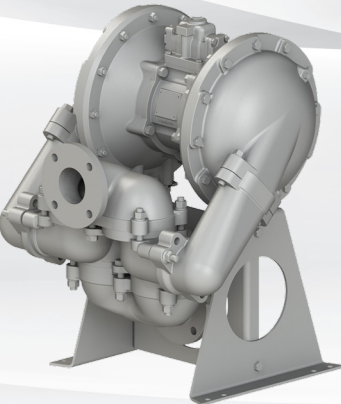
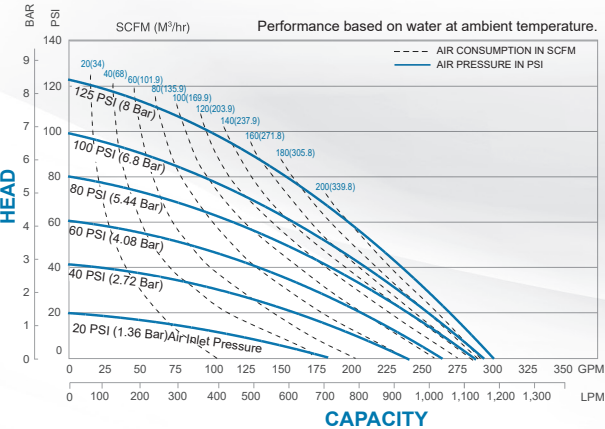
• ANSI Flange

AIR END

• Cast Iron

WET END

• Stainless Steel
• Cast Iron



KIT LOOKUP TOOL

When your pump needs repair, use only SANDPIPER Genuine Parts

Scan this QR code to quickly find the kits you need using serial number, model number or kit number.

CONTAINMENT DUTY PUMPS

The only complete line of AODD pumps featuring superior fluid containment; protecting your people, environment, and pump

Containment Duty Pumps are ideal for highly corrosive and hazardous chemical fluid applications. They are designed with containment chambers, hydraulically balanced/coupled pumping diaphragm and driver diaphragm assemblies and accommodate visual, mechanical and low voltage leak detection devices. CD pumps are constructed of Aluminum, Cast Iron, Stainless Steel, Alloy C, Polypropylene and PVDF with TPE (thermal plastic elastomers), PTFE options in diaphragms and check valves.

Certifications Available



Learn more about these pumps

ESADS+Plus Air Valve

Externally Serviceable Air Distribution System

1"
25mm

ST1 / ST25 Metallic

MAX FLOW

• 42 GPM (159 LPM)

PORTING

• NPT / BSP

AIR END

• HDPE*

• Aluminum

WET END

• Aluminum

• Stainless Steel

• Alloy C



1½"
38mm

ST1½ / ST40 Metallic

MAX FLOW

• 106 GPM (401 LPM)

PORTING

• NPT / BSP

AIR END

• Cast Iron

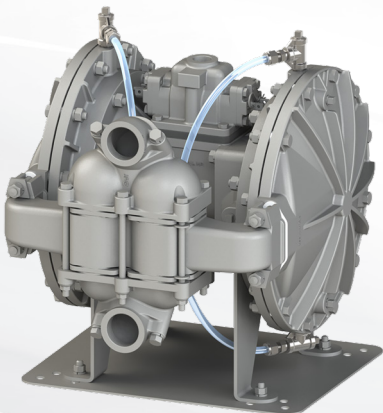
• Aluminum

WET END

• Aluminum

• Stainless Steel

• Alloy C



1"
25mm

S1F Non-Metallic

MAX FLOW

• 53 GPM (200 LPM)

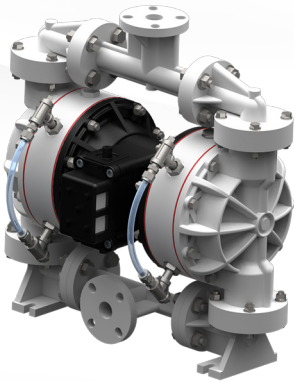
PORTING

• ANSI Flange

• DIN Flange

AIR END

• Polypropylene



1½"
38mm

S15 Non-Metallic

MAX FLOW

• 100 GPM (378 LPM)

PORTING

• ANSI Flange

• DIN Flange

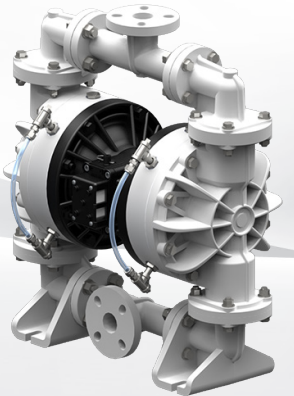
AIR END

• Polypropylene

WET END

• PVDF

• Polypropylene



2"
50mm

S20 Non-Metallic

MAX FLOW

• 160 GPM (605 LPM)

PORTING

• Universal Flange

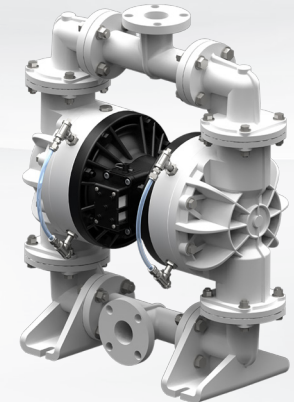
AIR END

• Polypropylene

WET END

• Polypropylene

• PVDF



3"
75mm

S30 Non-Metallic

MAX FLOW

• 280 GPM (1,061 LPM)

PORTING

• ANSI Flange

• DIN Flange

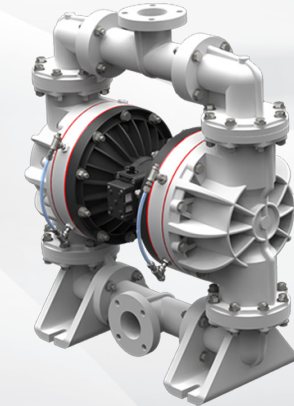
AIR END

• Glass Filled Polypropylene

WET END

• Polypropylene

• PVDF



SANDPIPER

G

SERIES™

VS

COMPETITOR

SANDPIPER pumps excel in every aspect of safety and reliability within the oil & gas industry

WIDEST AVAILABLE RANGE

WIDEST TEMPERATURE RANGE

BROADEST CERTIFICATIONS IN THE INDUSTRY

SAFETY COMPLIANCE WITH:

SIZE & FLOW

TEMP

SAFETY

SAFETY COMPLIANCE WITH:

LARGEST SOLIDS PASSAGE

SOLIDS HANDLING

EASE OF REPAIR & LESS DOWNTIME

GAS / AIR VALVE REPAIR

ENHANCED TEMPERATURE RESISTANCE AND CHEMICAL COMPATIBILITY

GAS / AIR END MATERIALS

BEST GUARANTEE IN THE INDUSTRY

PERFORMANCE RELIABILITY

Scan to see the Oil & Gas Process Map

DUAL POWER NATURAL GAS

Industry-leading performance and market-specific technology

Traditional AODD pumps are designed for use with air only. Over the years, oil and gas operators have opted to power their diaphragm pumps with easily accessible natural gas. The application of AODD pumps driven by natural gas created a unique set of safety requirements that previously did not exist. In 2003, SANDPIPER partnered with the Canadian Standards Association (CSA®) to lead the development of the first-ever safety certification for gas-operated double-diaphragm (GODD) pumps.

Certifications Available

Remote Site Serviceability

ESADS+Plus Air / Gas System allows for an on-site maintenance time of only 5 minutes

Learn more about these pumps

G10F Metallic

MAX FLOW
• 70 GPM (265 LPM)
PORTING
• NPT / BSP (tapered)
GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers
WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves
MAX SOLIDS
• 1" (25mm)

G20F Metallic

MAX FLOW
• 208 GPM (787 LPM)
PORTING
• NPT
GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers
WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves
MAX SOLIDS
• 2" (50mm)

24

SANDPIPER

WHEN ONLY THE BEST WILL DO, SELECT SANDPIPER

SANDPIPERPUMP.COM

SANDPIPER

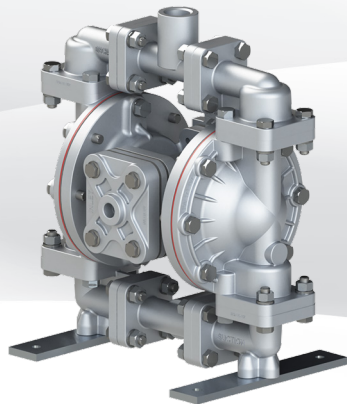
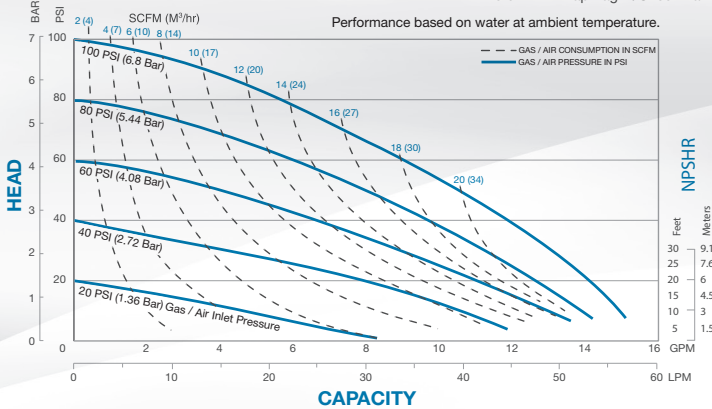
25

DUAL POWER NATURAL GAS

1/2"
12mm

G05 Metallic

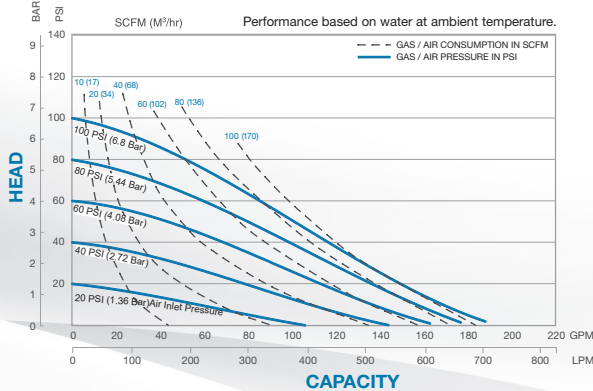
- MAX FLOW**
• 15 GPM (57 LPM)
- PORTING**
• NPT / BSP (tapered)
• ANSI Flange*
- GAS / AIR END**
• Aluminum
• Nitrile or FKM Elastomers
- WET END**
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves



2"
50mm

G20 Metallic

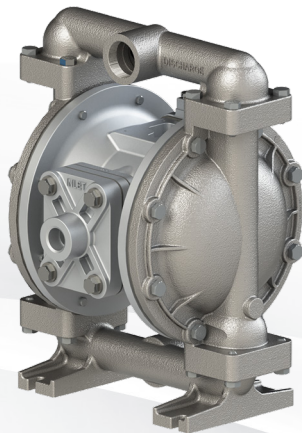
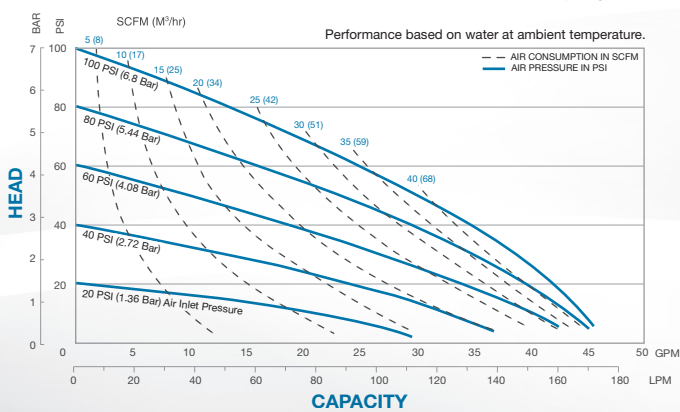
- MAX FLOW**
• 200 GPM (758 LPM)
- PORTING**
• NPT / BSP (tapered)
• ANSI Flange
- GAS / AIR END**
• Aluminum
• Stainless Steel
• Nitrile or FKM Elastomers
- WET END**
• Aluminum
• Stainless Steel
• Nitrile or PTFE Diaphragm / Check Valves



1"
25mm

G1F Metallic

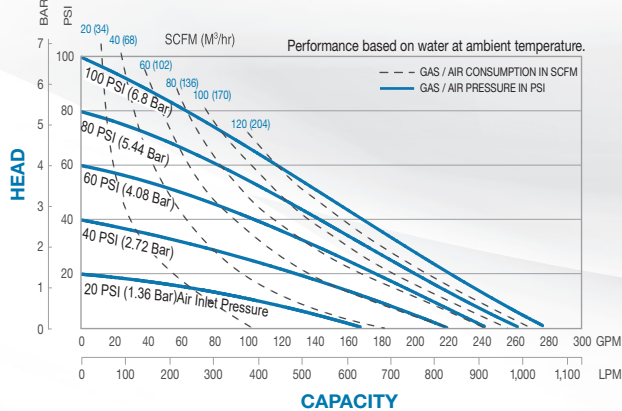
- MAX FLOW**
• 45 GPM (170 LPM)
- PORTING**
• NPT / BSP (tapered)
- GAS / AIR END**
• Aluminum
• Nitrile or FKM Elastomers
- WET END**
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves



3"
75mm

G30 Metallic

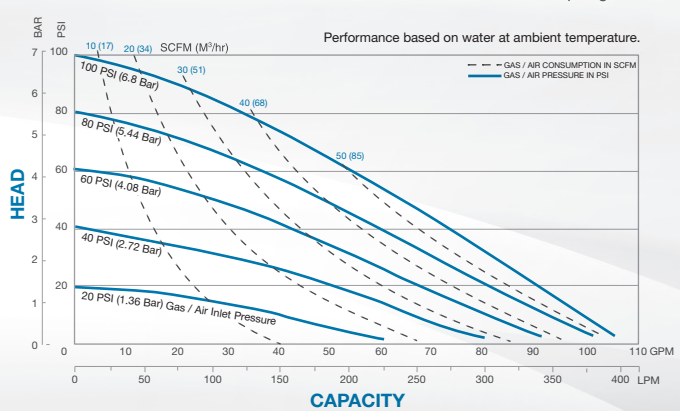
- MAX FLOW**
• 285 GPM (1,078 LPM)
- PORTING**
• NPT / BSP (tapered)
• ANSI Flange
• DIN Flange
- GAS / AIR END**
• Aluminum
• Stainless Steel
• Nitrile or FKM Elastomers
- WET END**
• Aluminum
• Stainless Steel
• Nitrile or PTFE Diaphragm / Check Valves



1 1/2"
38mm

G15 Metallic

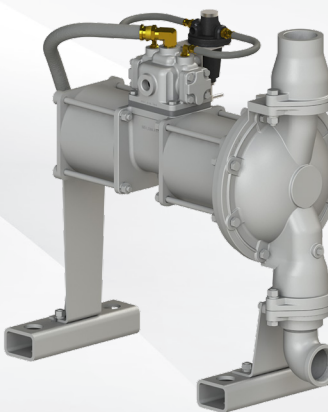
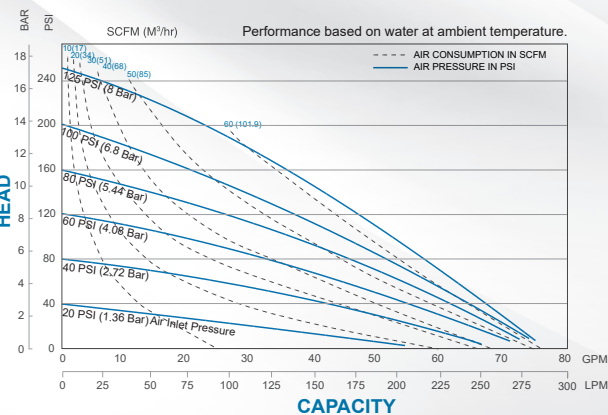
- MAX FLOW**
• 106 GPM (401 LPM)
- PORTING**
• NPT / BSP (tapered)
• ANSI Flange
- GAS / AIR END**
• Aluminum
• Nitrile or FKM Elastomers
- WET END**
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves



2"
50mm

GH2-M Metallic 2:1 High Pressure

- MAX FLOW**
• 74 GPM (280 LPM)
- PORTING**
• NPT
- AIR END**
• Aluminum
• Cast Iron
- WET END**
• Cast Iron
• Stainless Steel



STANDARD FDA COMPLIANT PUMPS - T-SERIES

FDA-Compliant food processing aodd pumps

FDA (Food & Drug Administration) Material Compliant Pumps are ideally suited for a variety of food processing, pharmaceutical and cosmetic industry applications. The pumps are available in 1" through 3" ball check valve designs and a 2" (line size solids handling) flap check valve design. Variable flow capacities across the range are 0–285 gallons per minute.



Porting Options

Rotatable manifolds and top or bottom discharge available



Certifications Available



Materials Of Construction

316 Stainless Steel components

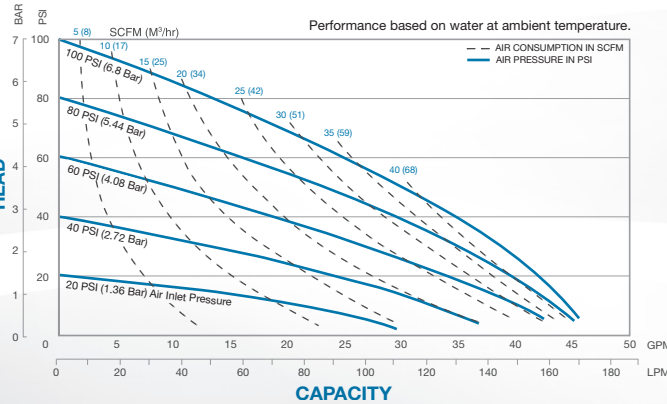


Learn more about these pumps



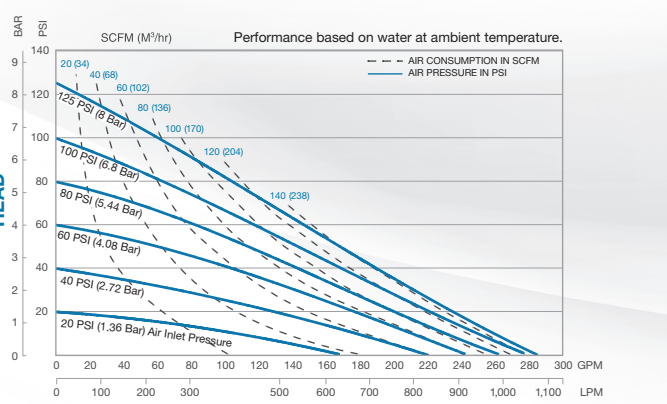
T1F Metallic

- MAX FLOW** • 45 GPM (170 LPM)
PORTING • Tri-Clamp
AIR END • Epoxy Coated Aluminum
WET END • Stainless Steel



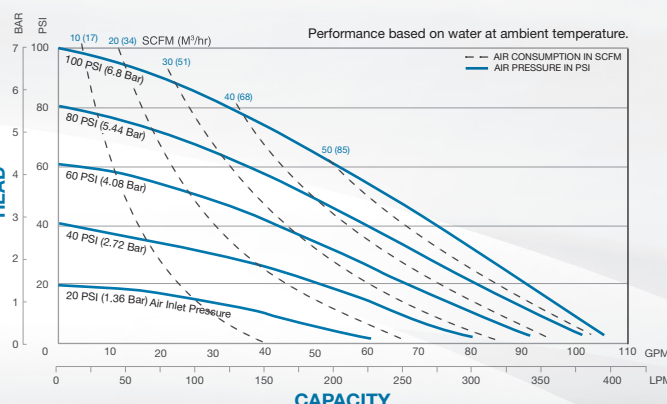
T30 Metallic

- MAX FLOW** • 285 GPM (1,078 LPM)
PORTING • Tri-Clamp
AIR END • Epoxy Coated Aluminum
WET END • Stainless Steel



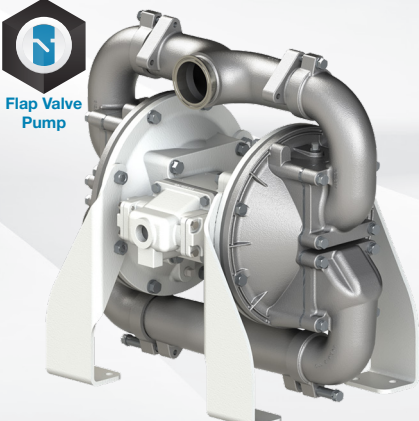
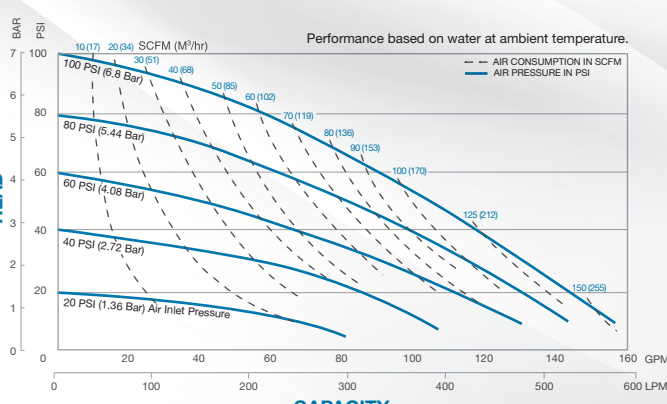
T15 Metallic

- MAX FLOW** • 106 GPM (401 LPM)
PORTING • Tri-Clamp
AIR END • Epoxy Coated Aluminum
WET END • Stainless Steel



TSA2 Metallic

- MAX FLOW** • 140 GPM (530 LPM)
PORTING • Tri-Clamp
AIR END • Epoxy Coated Aluminum
WET END • Stainless Steel



STANDARD FDA COMPLIANT PUMPS - FB SERIES

FDA-Compliant food processing aodd pumps

FDA (Food & Drug Administration) Material Compliant Pumps are ideally suited for a variety of food processing, pharmaceutical and cosmetic industry applications. The pumps are available in 1/2" through 3" ball check valve designs. Variable flow capacities across the range are 0-234 gallons per minute.



Porting Options

Rotatable manifolds and top or bottom discharge available



Certifications Available



NOTE: Performance based on the following: TPE fitted pump, flooded suction, water at ambient conditions. The use of other materials and varying hydraulic conditions may result in deviations in excess of 5%.



Materials Of Construction

316 Stainless Steel components

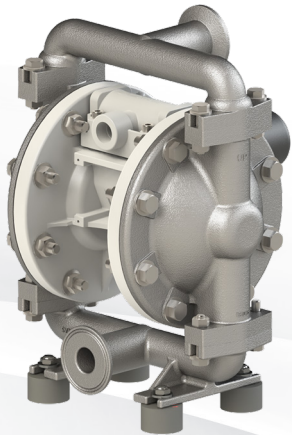
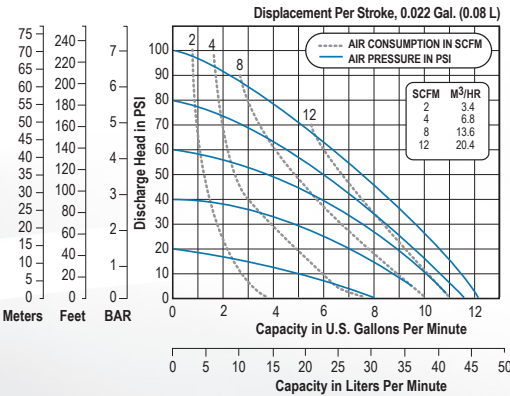


Learn more about these pumps



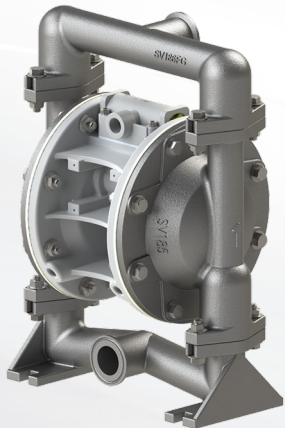
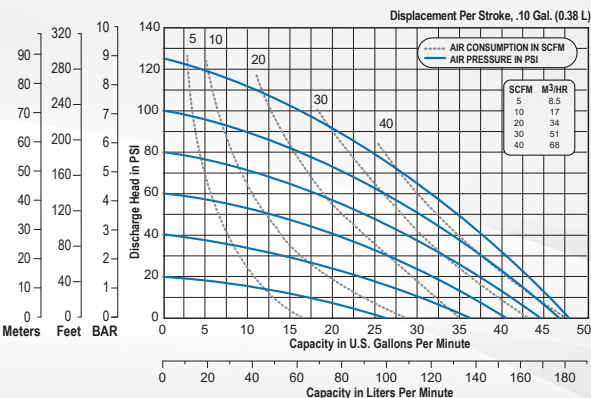
FB05 Metallic

- MAX FLOW**
• 12 GPM (45.5 LPM)
- PORTING**
• Tri-Clamp
- AIR END**
• Nickle Plated Aluminum
• Polypropylene
- WET END**
• Stainless Steel



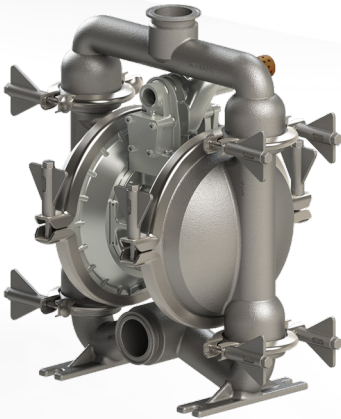
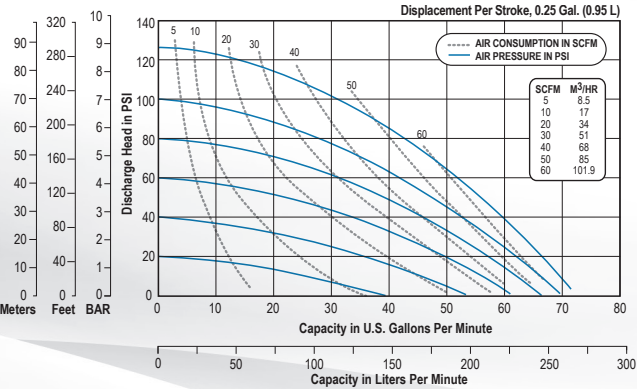
FB10 Metallic

- MAX FLOW**
• 49 GPM (185.5 LPM)
- PORTING**
• Tri-Clamp
- AIR END**
• Nickle Plated Aluminum
• Polypropylene
- WET END**
• Stainless Steel



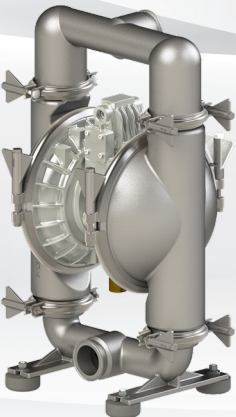
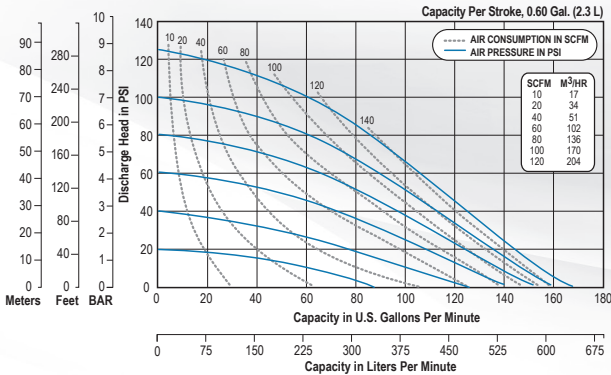
FB15 Metallic

- MAX FLOW**
• 71 GPM (268 LPM)
- PORTING**
• Tri-Clamp
- AIR END**
• Nickle Plated Aluminum
- WET END**
• Stainless Steel



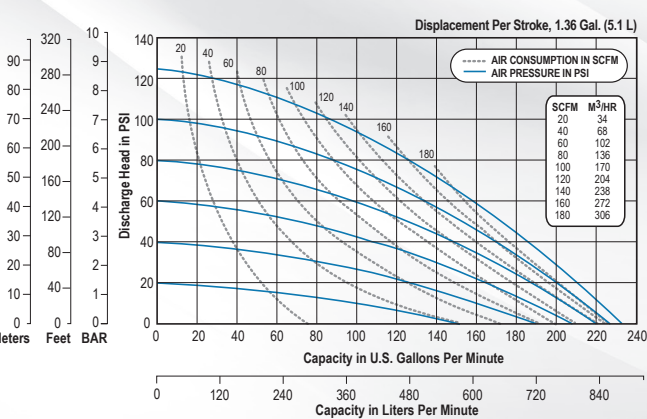
FB20 Metallic

- MAX FLOW**
• 167 GPM (632 LPM)
- PORTING**
• Tri-Clamp
- AIR END**
• Nickle Plated Aluminum
• Stainless Steel
- WET END**
• Stainless Steel



FB30 Metallic

- MAX FLOW**
• 234 GPM (886 LPM)
- PORTING**
• Tri-Clamp
- AIR END**
• Nickle Plated Aluminum
• Stainless Steel
- WET END**
• Stainless Steel



HIGH POLISHED SANITARY PUMPS - FB SERIES

For applications where highly polished wetted surface finish is Ra 32

The sanitary and hygienic pumps offer exceptional cleanability, ease of maintenance and superior reliability. FDA-compliant pumps, the F15C and F20C models are built for food processing and personal care applications

Porting Options

Rotatable manifolds and top or bottom discharge available

Materials Of Construction

316 Stainless Steel components

Certifications Available

CE Ex EAC UK CA 3

NOTE: Performance based on the following: TPE fitted pump, flooded suction, water at ambient conditions. The use of other materials and varying hydraulic conditions may result in deviations in excess of 5%.



Learn more about these pumps

1 1/2"

38mm

FB15 Metallic - Sanitary

MAX FLOW

PORTING

AIR END

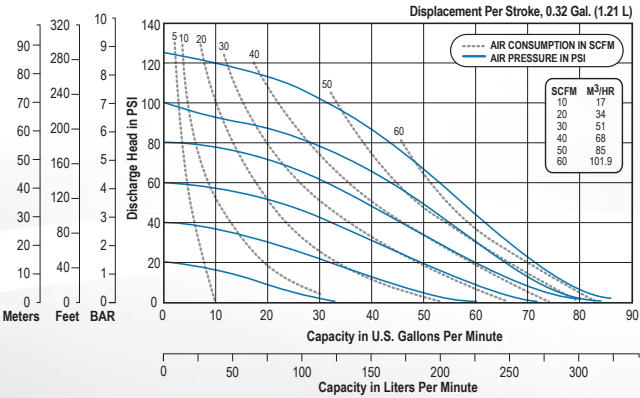
WET END

• 86 GPM (325.5 LPM)

• Sanitary Clamp

• Nickle Plated Aluminum

• Stainless Steel



2"

50mm

FB20 Metallic - Sanitary

MAX FLOW

PORTING

AIR END

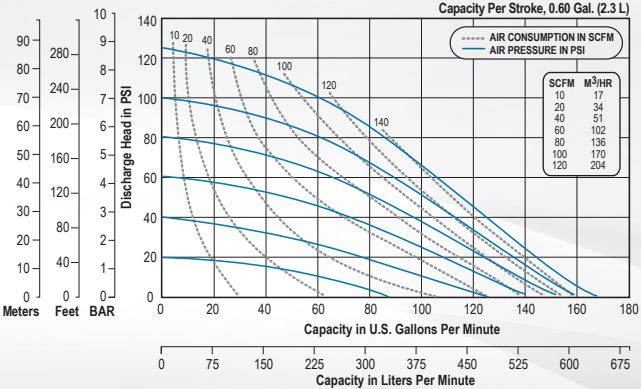
WET END

• 179 GPM (677 LPM)

• Sanitary Clamp

• Nickle Plated Aluminum

• Stainless Steel



1 1/2"

38mm

FB15 Metallic - 3A

MAX FLOW

PORTING

AIR END

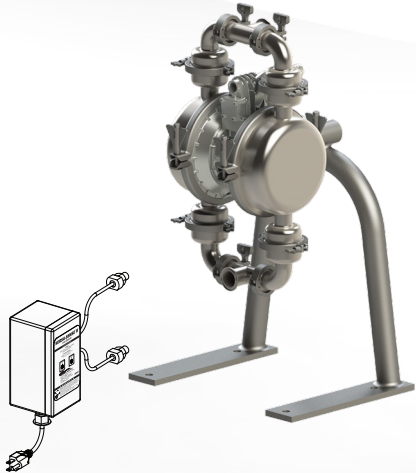
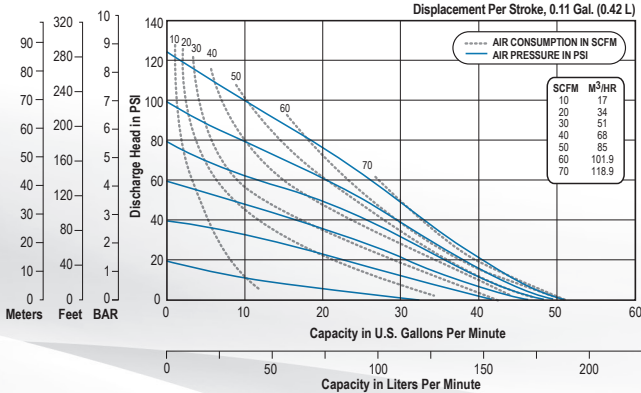
WET END

• 51 GPM (193 LPM)

• Sanitary Clamp

• Nickle Plated Aluminum

• Stainless Steel



2"

50mm

FB20 Metallic - 3A

MAX FLOW

PORTING

AIR END

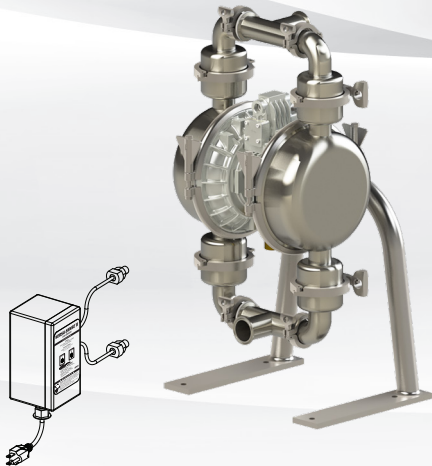
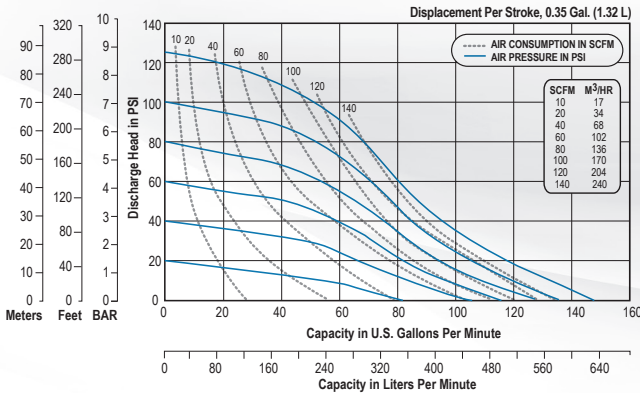
WET END

• 147 GPM (556 LPM)

• Sanitary Clamp

• Nickle Plated Aluminum

• Stainless Steel



KIT LOOKUP TOOL

When your pump needs repair, use only SANDPIPER Genuine Parts

Scan this QR code to quickly find the kits you need using serial number, model number or kit number.

PREMIUM FDA COMPLIANT PUMPS

For pharmaceutical, nutraceutical and personal care pumping applications

The SANDPIPER SSB1 & SSB2 hygienic pump has been the ideal choice for pharmaceutical, nutraceutical and personal care pumping applications for more than 30 years. This robust AODD pump is constructed from polished 316 stainless steel and features FDA-compliant nitrile diaphragms and check balls. The tri-clamp construction makes this pump easily compatible with your sanitary system design

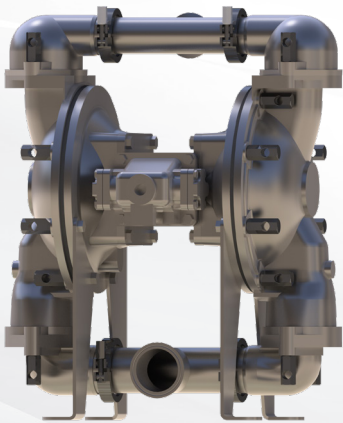
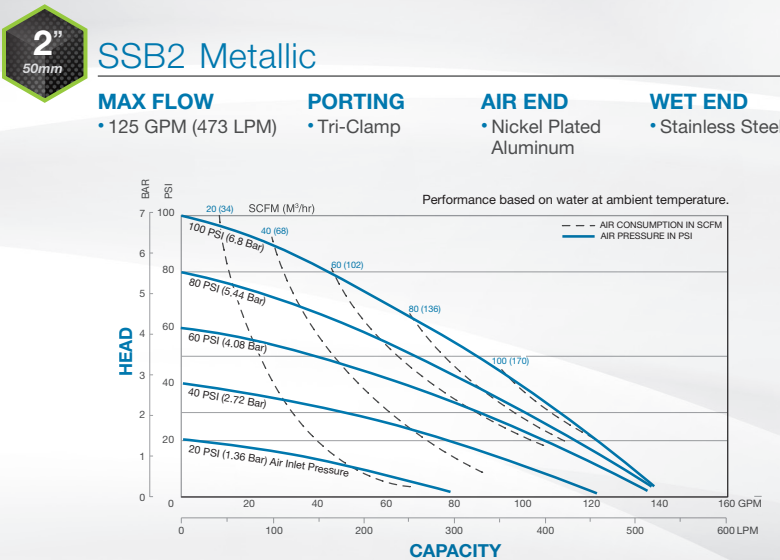
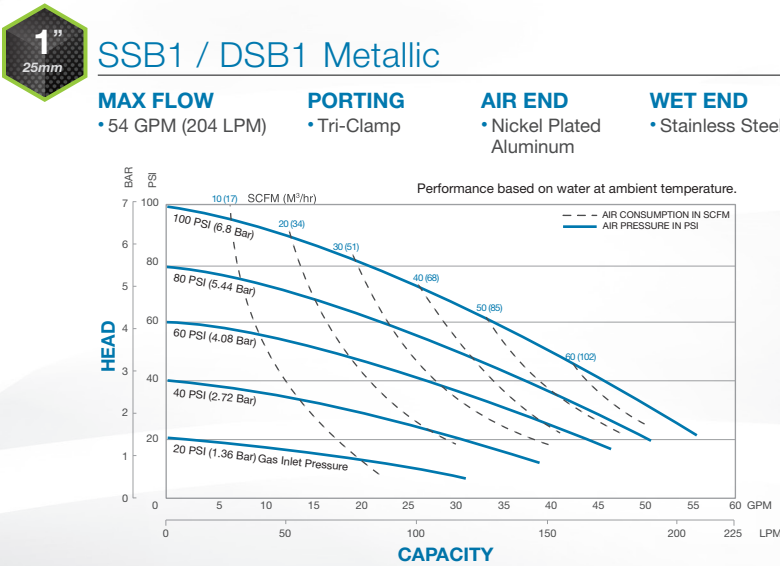
**Porting Options**
Rotatable manifolds

**Leak Detection**
Pair with Electronic Leak Detection

**Certifications Available**
   



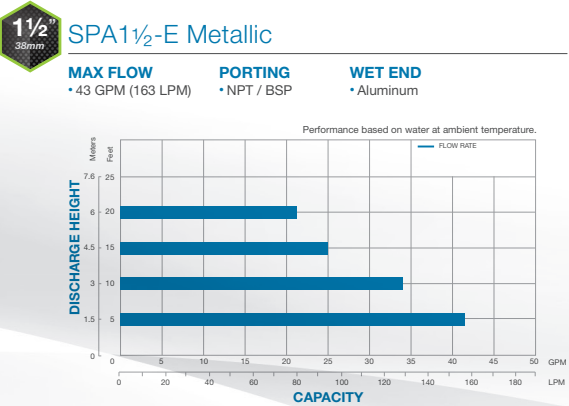
Learn more about these pumps



SUBMERSIBLE CENTRIFUGAL PUMPS

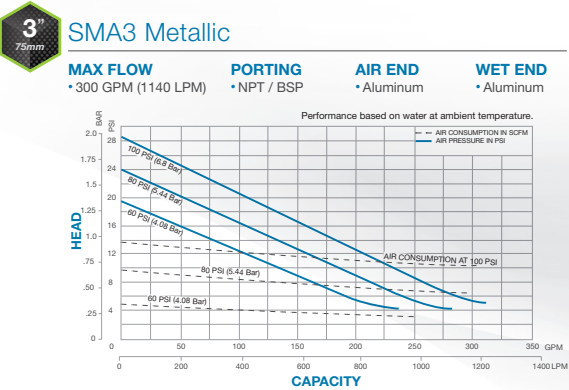
Submersible pumps for dewatering even with trash & debris

The PortaPump® Submersible, Battery-Powered Pump operates using any 12-volt car or truck battery. It comes equipped with cables and battery clips. Extremely portable, the pump weighs only 33 pounds (15 kg) and can fit through openings as small as 10" (25cm). Electrically safe and whisper quiet.



Learn More

The SludgeMaster™ Submersible, Air-Powered Trash Pump handles mud, leaves, twigs, sand, sludge, trash-laden water and soft solids to 1 1/2" (3.8cm). High capacity, low head. The pump weighs only 59 pounds (26kg), and can fit through an opening as small as 14" (35cm). Sturdy construction for rough handling and long life. Optional rock screen available.

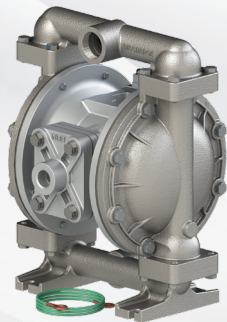
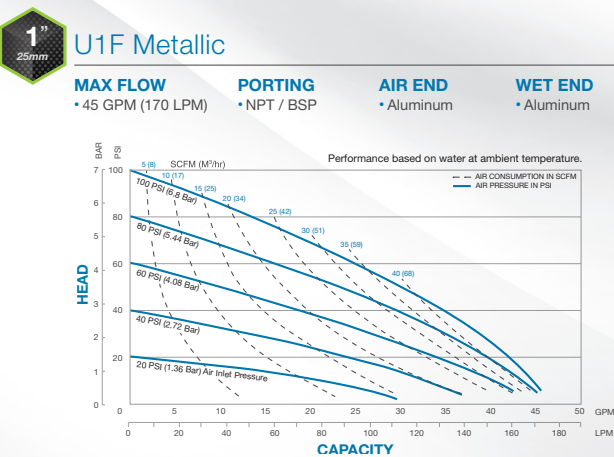


Learn More


UL LISTED PUMPS

UL-Listed AODD pump for flammable liquids transfer

UL (Underwriters Laboratories) Listed Pumps are designed to meet UL79 standards for diaphragm pumps handling flammable liquids. All Aluminum construction with approved Nitrile or Virgin PTFE UL elastomers. Fully groundable to prevent static discharge.



Learn More

**UL:** Underwriters Laboratories

**Certifications Available**
   

HIGH PRESSURE PUMPS

For fluids containing up to line size solids

Air-Powered Single Diaphragm High Pressure Metallic Pumps deliver discharge pressure twice the inlet pressure, up to 250 PSI (17.2 BAR). Designed for filter press feed and applications requiring higher discharge pressures. Available in Aluminum, Cast Iron and Stainless Steel with various elastomer options. Equipped with elastomeric seals and components that are compatible with the various chemicals normally expected to be found in natural gas.

Certifications Available

Materials Of Construction

316 Stainless Steel components



Learn more about these pumps

2"
50mm

EXCLUSIVE SANDPIPER FEATURE

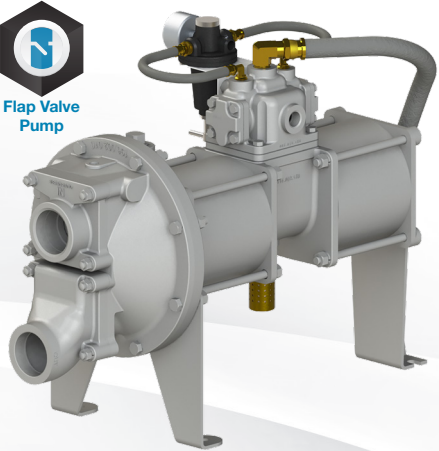
SH2-M Metallic

MAX FLOW
• 120 GPM (454 LPM)

PORTING
• NPT

AIR END
• Aluminum

WET END
• Aluminum
• Cast Iron



2"
50mm

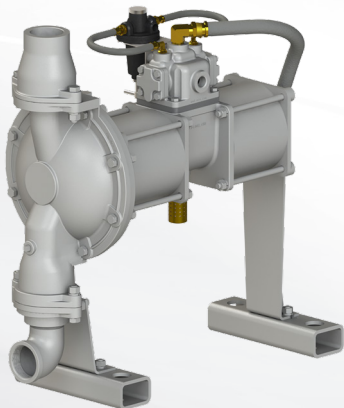
EH2-M Metallic

MAX FLOW
• 74 GPM (280 LPM)

PORTING
• NPT

AIR END
• Aluminum
• Cast Iron

WET END
• Cast Iron
• Stainless Steel



1"
25mm

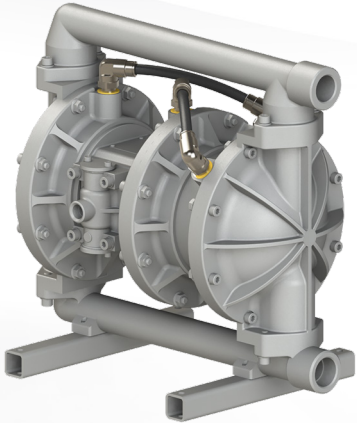
HP10 Metallic

MAX FLOW
• 33 GPM (125 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum

WET END
• Aluminum
• Stainless Steel



2"
50mm

HP20 Metallic

MAX FLOW
• 92 GPM (348 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum

WET END
• Aluminum
• Stainless Steel



2"
50mm

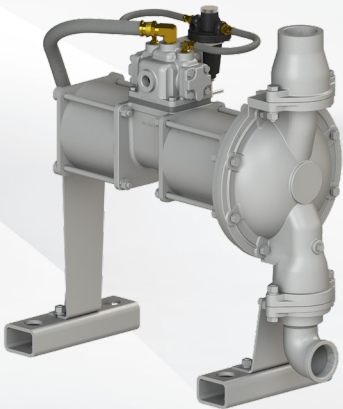
GH2-M Metallic 2:1 High Pressure

MAX FLOW
• 74 GPM (280 LPM)

PORTING
• NPT

AIR END
• Aluminum
• Cast Iron

WET END
• Cast Iron
• Stainless Steel



Natural Gas Driven

ACCESSORIES

When it comes to optimizing pump and system performance to increase efficiency and provide additional protection to your critical equipment, SANDPIPER has you covered. Our air-operated double-diaphragm (AODD) pump accessories are tested and approved control components, which when used with your SANDPIPER pump, can improve your system performance and extend the life of your pump. Partner with us to learn how to apply SANDPIPER genuine accessories to your system to keep it running smoothly and to achieve optimal performance

Electronic Speed Control

Provides accurate control of variable flow rates, from zero flow to maximum. Operates on 110 or 220VAC with on-board, single turn potentiometer or automatic mode for remote control using the optional 4-20 mA input terminal.

Air Filter / Regulator

Provides clean, dry air to your AODD pump. The SANDPIPER Filter / Regulator line offers modular convenience for easy installation and service.

[LEARN MORE ON PAGE 40](#)

Stroke Counter / Batch Control

Offers performance and repeatability with an interfaceable electronic control to program repetitive diaphragm pump operations. The complete system requires the Batch Controller, the Pulse Output Kit & the Air Line Solenoid.

Pulsation Dampener / Surge Suppressor

Provides virtually pulse-free discharge flow, for steadier pressure with less system vibration and noise. Our Tranquilizer® series is self-charging and self-venting.

[LEARN MORE ON PAGE 41](#)

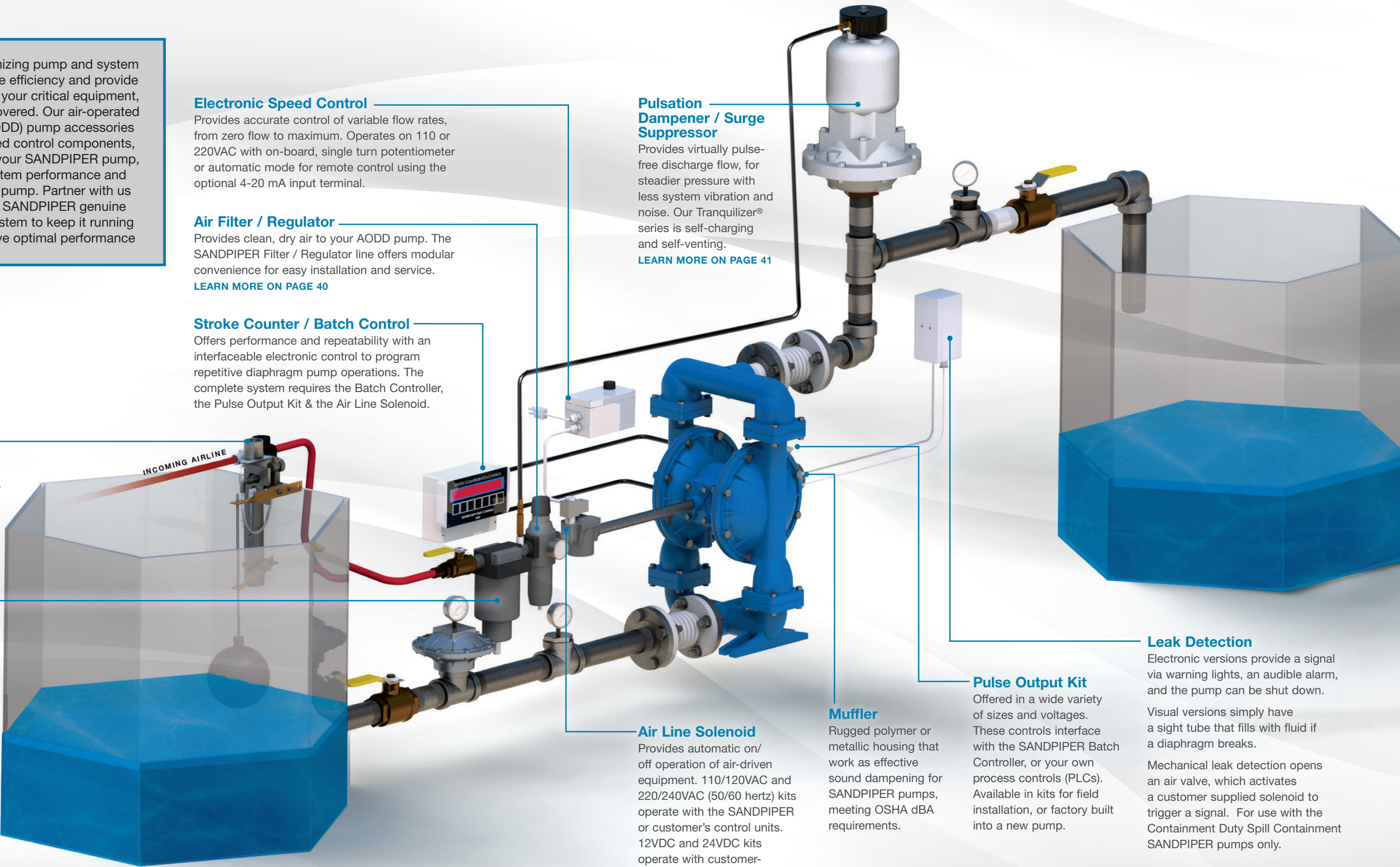
Liquid Level Control

Automatic, float actuated control unit that opens and closes the air supply to your AODD pump, especially useful in sump and liquid transfer situations.

[LEARN MORE ON PAGE 42](#)

Water Separator

This point-of-use water separator is designed to remove 99% of the water, rust and other contaminants commonly present in compressed air lines. Clean, dry air enhances the life and performance of pneumatically-driven equipment.



Air Line Solenoid

Provides automatic on/off operation of air-driven equipment. 110/120VAC and 220/240VAC (50/60 hertz) kits operate with the SANDPIPER or customer's control units. 12VDC and 24VDC kits operate with customer-supplied controls only.

Muffler

Rugged polymer or metallic housing that work as effective sound dampening for SANDPIPER pumps, meeting OSHA dBA requirements.

Pulse Output Kit

Offered in a wide variety of sizes and voltages. These controls interface with the SANDPIPER Batch Controller, or your own process controls (PLCs). Available in kits for field installation, or factory built into a new pump.

Leak Detection

Electronic versions provide a signal via warning lights, an audible alarm, and the pump can be shut down. Visual versions simply have a sight tube that fills with fluid if a diaphragm breaks. Mechanical leak detection opens an air valve, which activates a customer supplied solenoid to trigger a signal. For use with the Containment Duty Spill Containment SANDPIPER pumps only.

FILTER REGULATORS

Specifically Developed for Air operated double diaphragm pumps



- Reduced Maintenance**
Clean, regulated air
- Lower Operating Costs**
Reduced air consumption and less compressor demand
- Extended Pump Life**
Reduced stress on wear components by proportioning the air pressure
- Reliable**
Engineered to optimize pump performance
- Protect**
Efficiently removing air line solids and liquid contaminants to protect air valve
- Safe Operation**
Operate at the lowest required air pressure
- Compact & Convenient**
Filter and regulate your air supply in a single, easy to install unit
- Precise Pump Control**
Easy air pressure adjustment to vary the pump's flow rate and operation speed

Lubricators

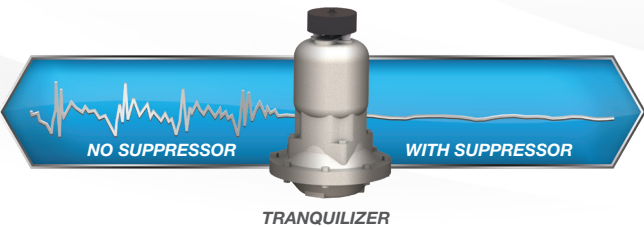
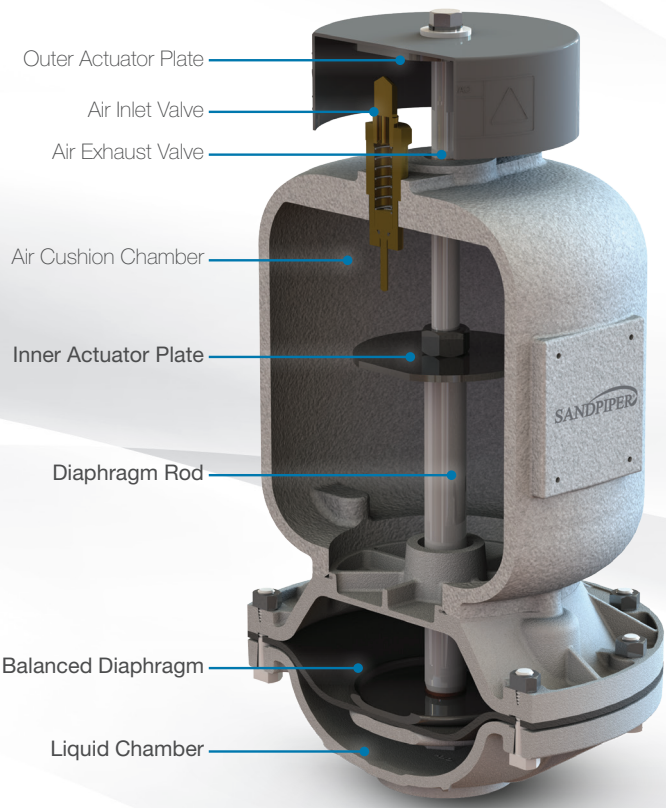
In applications with very dry air supplies or where nitrogen is being utilized to operate the pump, lubrication of the compressed air supply is required. For these situations, we offer a complete line of Lubricators that easily connect to our Filter / Regulators.

TECHNICAL SPECIFICATIONS										
Part Number	Port Size	Max Flow (SCFM)	Description	Max Inlet Pressure	Regulating Pressure Range	Replacement Filter Element Part Number	Lockout Valve Part Number	Mounting Bracket Kit Part Number	Replacement Pressure Gauge Part Number	Lubricator Part Number
020.103.000	¼" NPT	35	Filter/Regulator w/ gauge (20 micron)	150 psi (10.2 bar)	0 - 125 psi (0 - 8.6 bar)	020.049.004	020.049.002	020.049.007	020.101.000	020.113.000
020.104.000	½" NPT	80	Filter/Regulator w/ gauge (40 micron)	150 psi (10.2 bar)	0 - 125 psi (0 - 8.6 bar)	020.050.004	020.050.002	020.050.007	020.101.000	020.114.000
020.105.000	¾" NPT	150	Filter/Regulator w/ gauge (40 micron)	150 psi (10.2 bar)	0 - 125 psi (0 - 8.6 bar)	020.051.004	020.051.002	020.051.007	020.102.000	020.115.000
020.106.000	1" NPT	250	Filter/Regulator w/ gauge & mounting bracket kit (40 micron)	175 psi (12.1 bar)	0 - 125 psi (0 - 8.6 bar)	020.052.004	020.052.002	020.052.007	020.102.000	020.116.000

Temperature Ratings: 40°F to 125°F (4.4°C to 52°C).

TRANQUILIZERS®







Pulsation Dampeners / Surge Suppressors



- Virtually surge-free flows**
- Steadier pressures**
- Less vibration and noise**
- Simple installation**
- Automatically self-charging and self-venting**
- Longest life balanced diaphragm**
- Capable of pressures to 125 PSI (8.6 BAR)**
- Protects other system components**



Learn More

TECHNICAL SPECIFICATIONS								Available Wetted Materials									
								Chamber				Diaphragm					
	Model	Desc.	Cert.	Air Inlet Size	Liquid Inlet Size	Height (mm)	Diameter (mm)	Aluminum	Stainless Steel	Cast Iron	Alloy C	Neoprene	Nitrile	FKM	EPDM	Neoprene PTFE Overlay	Santoprene®
Tranquilizers (Featured Above)	TA1	1" pumps	 	¼" NPT (external thread)	1" NPT	13.625"-15.125" (346mm-384mm)	9" (229mm) NPT(F)	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓
	TA25	1" pumps	 	¼" NPT (external thread)	1" BSP (Tapered internal thread)	13.625"-15.125" (346mm-384mm)	9" (229mm) NPT(F)	✓	✓	✗	✗	✓	✓	✓	✓	✓	✓
	TA1½	1" & 1½" pumps	 	¼" NPT (external thread)	1½" NPT (internal thread)	19.875"-21.325" (505mm-543mm)	10.5" (267mm) NPT(F)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TA40	1" & 1½" pumps	 	¼" NPT (external thread)	1½" BSP (Tapered internal thread)	19.875"-21.325" (505mm-543mm)	10.5" (267mm) NPT(F)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TA2	1½" & 2" pumps	 	¼" NPT (external thread)	2" NPT (internal thread)	20.25"-23.1875" (514mm-589mm)	12.5" (317mm) NPT(F)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TA50	1½" & 2" pumps	 	¼" NPT	2" BSP (Tapered internal thread)	20.25"-23.1875" (514mm-589mm)	12.5" (317mm) NPT(F)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	TA3	3" pumps	 	¼" NPT	3" 150# ANSI or 3" NPT (internal)	20.125"-23.125" (511mm-587mm)	16.1875" (411mm) NPT(F)	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
	TA80	3" pumps	 	¼" NPT	3" BSP (Tapered int.) or 80mm DIN	20.125"-23.125" (511mm-587mm)	16.1875" (411mm) NPT(F)	✓	✓	✓	✗	✓	✓	✓	✓	✓	✓
Dampeners	DA05	½" pumps		¼" NPT	½" NPT	7.468" (190mm) WIDTH: 5.625" (143mm)	6.9375" (176mm)	Aluminum, Stainless Steel & Polypropylene									
	DA07	¾" pumps		¼" NPT	¾" NPT	7.718" (196mm) WIDTH: 5.625" (143mm)	6.9375" (176mm)	Polypropylene only									
	DA10	1" pumps		¼" NPT	1" NPT	11.718" (298mm) WIDTH: 5.625" (143mm)	7.5" (191mm)	Polypropylene only									

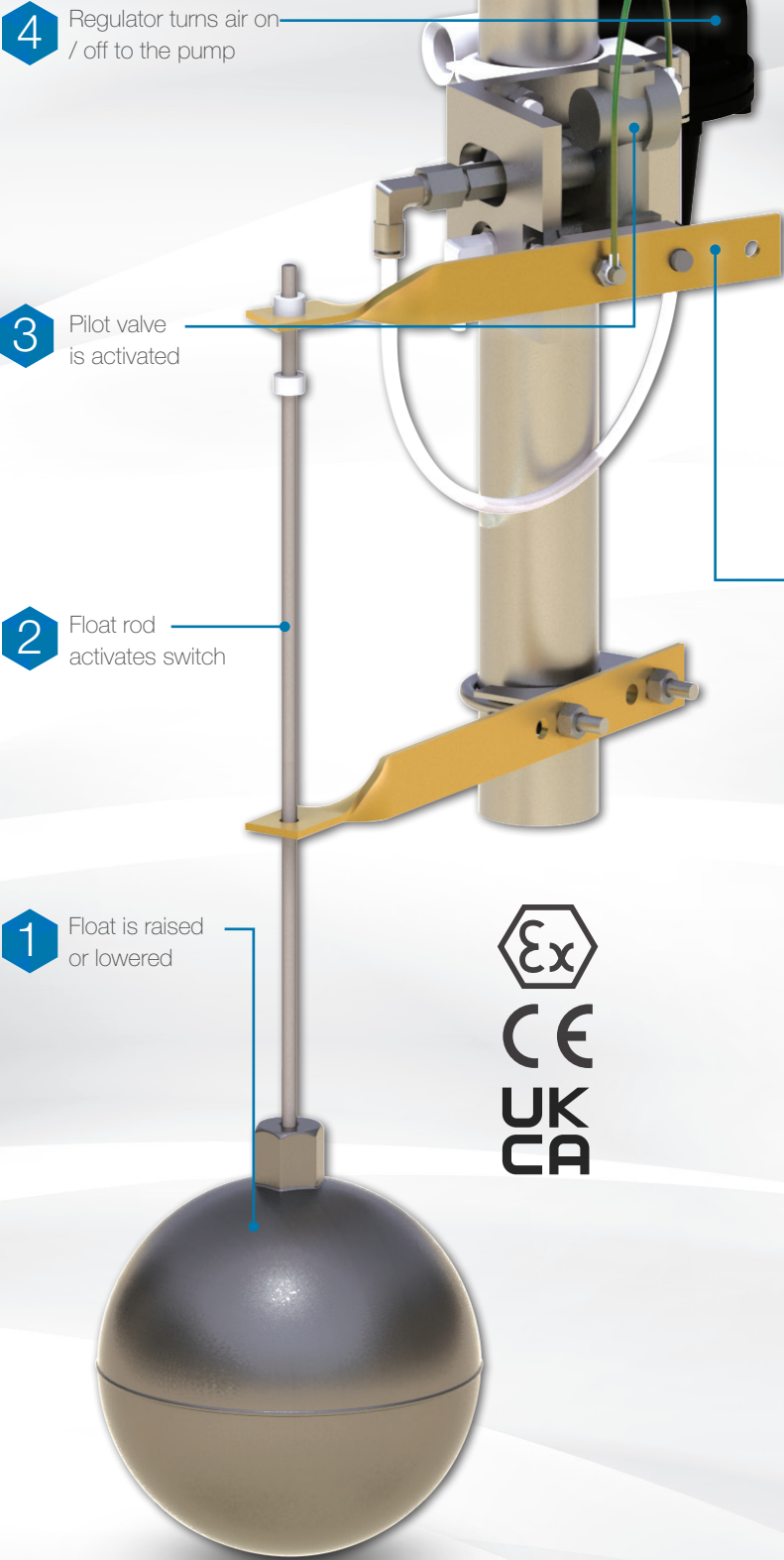
✓ = Available ✗ = Not available

All of the TA models are CE and ATEX • Dimensional Tolerance: ±1/8" (± 3mm). • See service manual for complete specifications.

LIQUID LEVEL CONTROL

Automatic, float acTuated unit that opens and closes air supply to your AODD pump

How it Works



- Pneumatic**
No electrical power required
- Adjustable**
Operating range from a few inches to 9 ft (2.7 m)
- Simple**
Easy to install & operate
- Versatile**
Quick reversible operation
- Universal**
Can be used with all AODD pumps
- Reliable**
Stainless steel float & connecting rod

Reversible Operation

Operation can be reversed by installing the top float rod bracket in the opposite direction from position shown.

Standard Operation

High Level = On, Low Level = Off

Reverse Operation

High Level = Off, Low Level = On

Common Applications



Sumps



Dewatering



Fluid Transfer



Tank Filling

ADDITIONAL ACCESSORIES

Other Accessories that SANDPIPER offers to help complete your process



CSA Compliant Natural Gas Pressure Regulators

SANDPIPER Natural Gas Pressure Regulators are safe, reliable and environmentally friendly. These point-of-use regulators are designed and tested to meet CSA regulations and provide superior regulation and excellent stability. All regulators include a durable glycerin filled pressure gauge to dampen the effects of pulsation and vibration common in pump applications. A safety port has been added to help prevent escaping gas in the case of a regulator diaphragm rupture. Simply add a pipe or hose fitting to the unit to divert or reclaim any natural gas.

TECHNICAL SPECIFICATIONS

Part Number	Port Size	Max Flow (SCFM)	Pump Models	Max Inlet Pressure	Regulating Pressure Range	Temperature Rating	Materials of Construction
020.057.000	1/4" NPT	25	G05	250 PSI (17.2 BAR)	0 - 120 PSI (0 - 8.3 BAR)	0°F - 160°F (-17.8°C - 71.1°C)	Aluminum, Brass, Plated Steel, Nitrile
020.058.000	1/2" NPT	110	G1F, G10F	400 PSI (27.6 BAR)	0 - 125 PSI (0 - 8.6 BAR)	-40°F - 200°F (-40.0°C - 93.3°C)	Zinc, Aluminum, Plated Steel, Nitrile, Brass
020.059.000	3/4" NPT	110	G15, G20	400 PSI (27.6 BAR)	0 - 125 PSI (0 - 8.6 BAR)	-40°F - 200°F (-40.0°C - 93.3°C)	Zinc, Aluminum, Plated Steel, Nitrile, Brass
020.060.000	3/4" NPT	260	G20F, G30	400 PSI (27.6 BAR)	0 - 125 PSI (0 - 8.6 BAR)	-40°F - 200°F (-40.0°C - 93.3°C)	Zinc, Aluminum, Plated Steel, Nitrile, Brass

Diaphragm Material: Nitrile elastomer with polyester fabric
All gauge ports & vent ports are tapped 1/4" NPT
Replacement pressure gauge part number: 020.061.000

Note: The use of a relief valve is recommended for these products in accordance with NFPA 58.

Natural Gas Filters

SANDPIPER Natural Gas Filters provide superior particulate protection from systems with high concentrations of solid contaminants. These point-of-use filters are built from durable and lightweight aluminum, feature very high dirt-holding capacity and offer lower pressure drop than other comparable products.

TECHNICAL SPECIFICATIONS

Part Number	Port Size	Max Flow (SCFM)	Pump Models	Replacement Filter Element	Max Inlet Pressure	Max Temperature	Materials of Construction
020.062.000	1/4" NPT	25	G05	020.065.000	500 PSI (34 BAR)	175°F (80°C)	Aluminum Housing, Nitrile Seals, Molded Urethane End Seals
020.063.000	1/2" NPT	42	G1F	020.065.000			
020.064.000	3/4" NPT	133	G10F, G15, G20, G20F, G30	020.066.000			

Stainless Steel manual drain 1/8" NPT
Micron Rating: 3



DIAPHRAGM & ELASTOMER SELECTION

get the maximum longevity out of your sandpiper pump by selecting the appropriate diaphragm and elastomer for your application

MATERIAL SELECTION GUIDE							
Diaphragm Material	Purchase Price	Flex Life	Abrasion Resistance	Chemical Resistance	Temp. Limitations	Temp. Max. Operating	Temp. Min. Operating
EPDM	✓	✓	✓	✓	+	280°F / 138°C	-40°F / -40°C
FKM	!	✗	!	+	+	350°F / 177°C	-40°F / -40°C
Hytrel®	✓	+	+	✓	✓	220°F / 104°C	-20°F / -29°C
Neoprene	+	+	✓	✗	✓	200°F / 93°C	-10°F / -23°C
Nitrile	+	+	✓	!	✓	190°F / 88°C	-10°F / -23°C
Santoprene®	+	+	+	+	+	275°F/135°C	-40°F/-40°C
Urethane	+	✓	!	✗	!	150°F / 66°C	32°F / 0°C
PTFE Synthesis	!	✓	!	+	!	176°F / 80°C	14°F / -10°C
PTFE Two-Piece	!	!	✗	+	✓	220°F / 104°C	-35°F / -37°C

For reference only, consult distributor.

+ = Best Type
 ✓ = Suitable
 ! = Limitations
 ✗ = Not Recommended

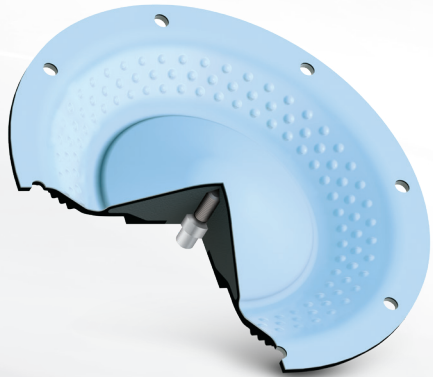
Santoprene® is a registered tradename of Exxon Mobil Corp. Hytrel® is a registered tradename of E.I. DuPont.

Synthesis One-Piece Diaphragms

The Synthesis™ diaphragm is an exclusive SANDPIPER technology. Uniquely designed as a premium one-piece diaphragm, it creates optimum conditions for high-performance pumping and reliability.

Features include:

- Temperature range: 14°F to 176°F (-10°C to 80°C)
- Torque-free installation: simply hand-turn into position
- One-piece composite design with 100% PTFE on the wetted side bonded to a nitrile rubber backer (NRB) with an integrated diaphragm plate
- No center hole: for superior leak-free operation and installation
- No outer diaphragm plate abrasion due to trapped fluids
- Oversized integrated plate supports nearly 50% of the diaphragm
- Start-up pressure of less than 10 psi versus 25 psi or more on competitive diaphragms



SYNTHESIS DIAPHRAGM SELECTION GUIDE				
Part Number (Conversion Kit)*	Inner Diaphragm Plate**	Where Used	Wet End Kit	Where Used
286.112.000 (475.250.000)	612.218.330	SB1	476.034.659	SB1-A
286.112.000 (475.250.000)	612.218.330	S1F Metallic	476.194.659	S1F Metallic
286.113.000 (475.254.000)	612.217.150	S15 Metallic	476.182.659	S15 Metallic
286.114.000 (475.255.000)	612.219.150	HDB1½	476.036.659	HDB1½
286.114.000 (475.256.000)	612.227.150	S15 Non-Metallic	476.255.659	S15 Non-Metallic
286.114.000 (475.256.000)	612.227.150	S20 Non-Metallic	476.257.659	S20 Non-Metallic
286.115.000 (475.258.000)	612.220.150	S1F Non-Metallic	476.197.659	S1F Non-Metallic
286.116.000 (475.251.000)	612.221.330	S05, S07, S10 Non-Metallic	476.202.659	S05 Non-Metallic
286.116.000 (475.251.000)	612.221.330	S05 Metallic	476.199.659	S05 Metallic
286.118.000 (475.252.000)	612.215.330	HDB2	476.043.659	HDB2
286.118.000 (475.253.000)	612.214.150	S20 Metallic	476.042.659	S20 Metallic

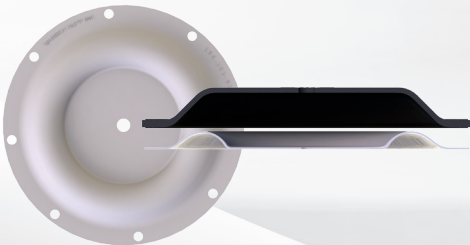
Extend diaphragm life by reducing the frictional stresses associated with the outer diaphragm plate.

Standard Two-Piece PTFE Diaphragm

Additionally, SANDPIPER pumps are offered with a standard PTFE diaphragm (a two-piece diaphragm)—a cost-effective solution for a large variety of pumping applications.

Features include:

- Wide range of pressure capabilities
- Variety of materials available
- Proven performance over years of testing
- Diaphragm wear pads



CHEMICAL COMPATIBILITY

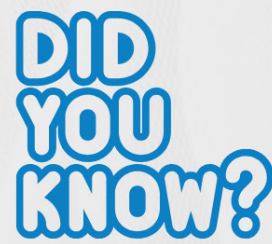


Check Balls, Flaps, and Seats

- Check balls are available in standard and weighted options.
- Weighted check balls are used in applications containing thick, viscous fluids.
- Flaps are ideal for solids-laden fluids.
- Check valve seats are available in a variety of materials based on your application and chemical compatibility.

EXTEND THE LIFE OF CRITICAL PUMPING EQUIPMENT WITH

SANDPIPER® AIR WEAR KITS



SANDPIPER offers Complete Air Kits, as well as smaller kits called Air Wear Kits, for most pump models?

What's the difference?

Complete Air Kits include everything you need to do a complete replacement of the main air valve and pilot valve assemblies as well as the elastomeric wear items (gaskets, seals, o-rings, bushings) included in the Air Wear Kits.



Air Wear Kits include just the elastomeric wear items (gaskets, seals, o-rings, bushings) to service the air side of the pump. They do not include a new main air valve or pilot valve assemblies found in the Complete Air Kits.



Protect your SANDPIPER pump's performance, longevity and safety by using only genuine SANDPIPER parts.

Complete Air Kits & Air Wear Kits

Pump Model	Complete Air Kit	Air Wear Kit
S05 Metallic	476.239.000	476.318.000
S1F Metallic	476.228.000	476.319.000
S15 Metallic	476.227.000	476.320.000
S20 Metallic	476.227.000	476.320.000
S30 Metallic	476.227.000	476.320.000
G05 Metallic	476.239.000	476.318.000
G05 Metallic Air Kits W/ FKM Air Side	476.237.363	476.318.363
G1F Metallic	476.228.000	476.319.000
G1F Metallic Air Kits W/ FKM Air Side	476.228.363	476.319.363
G15 Metallic	476.227.000	476.320.000
G15 Metallic Air Kits W/ FKM Air Side	476.227.363	476.320.363
G20 Metallic	476.227.000	476.320.000
G20 Metallic Air Kits W/ FKM Air Side	476.227.363	476.320.363
G30 Metallic	476.227.000	476.320.000
G30 Metallic Air Kits W/ FKM Air Side	476.227.363	476.320.363
G10F Metallic	476.361.000	476.341.000
G10F Metallic Air Kits W/ FKM Air Side	476.361.363	476.341.363
G20F Metallic	476.359.360	476.360.360
G20F Metallic Air Kits W/ FKM Air Side	476.359.363	476.360.363
SB1 Metallic	476.311.000	476.341.000
HDB1 1/2 Metallic	476.362.000	476.314.000
HDB2 Metallic	476.362.000	476.314.000
HDB3 & HDB4 Metallic	476.252.000	476.315.000
HDF1 Metallic	476.311.000	476.341.000
HDF2 Metallic	476.247.000	476.316.000
HDF3 & HDF4 Metallic	476.247.000	476.316.000
ST1 Metallic	476.130.000	476.317.000
PB1/4 Non-Metallic	476.129.000	476.321.000
S05 Non-Metallic	476.219.000	476.322.000
S07 Non-Metallic	476.219.000	476.322.000
S10 Non-Metallic	476.219.000	476.322.000
S1F Non-Metallic	476.217.000	476.323.000
S15 Non-Metallic	476.253.000	476.324.000
S20 Non-Metallic	476.253.000	476.324.000
S30 Non-Metallic	476.365.000	476.390.000

Protect your SANDPIPER pump's performance, longevity and safety by using only genuine SANDPIPER parts.



Visit www.sandpiperpump.com or scan the QR code to learn more.

We Continue To Innovate With Our Customers' Needs In Mind

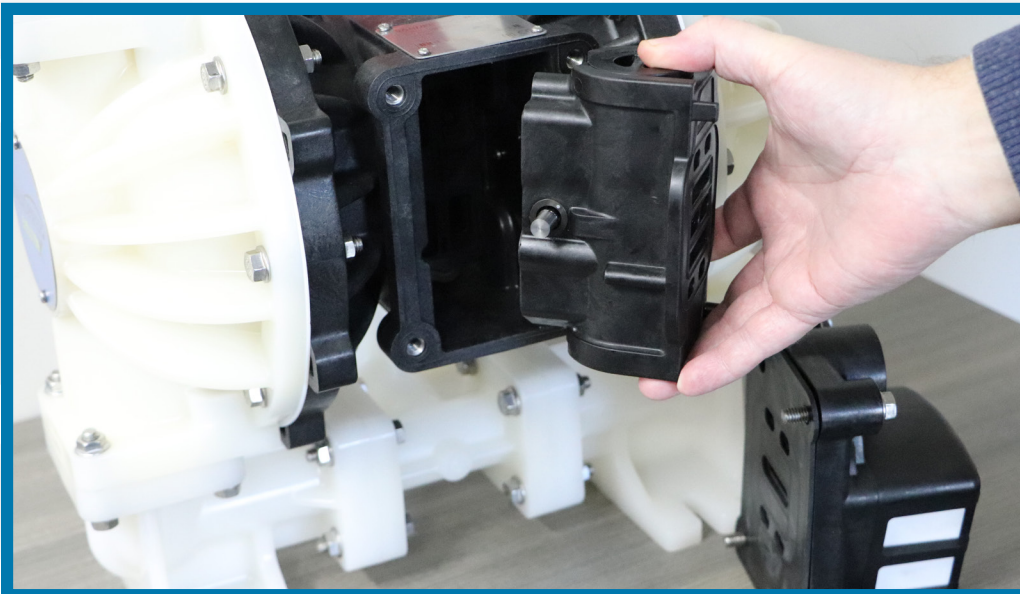
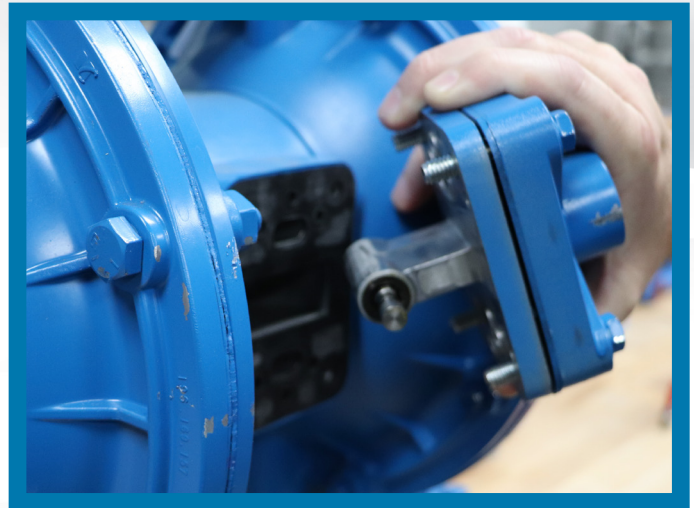
ESADS+

SANDPIPER'S Externally Serviceable Air Distribution System

ESADS+ has been an industry leading maintenance feature for AODD pumps for decades. With ESADS+ you can access the critical pilot valve components and get your pump back up and running in as little as 5 minutes. This feature remains a standard on our AODD pump products, and now has been improved in our patent pending EvolutionX air valve system.



[Learn More](#)



EVOLUTION^X

With the EvolutionX we have put all the main and pilot air valve components into one easy to access cartridge assembly. By removing just 4 bolts you can service the entire air valve body, without disassembling the whole pump. See page 16.

SANDPIPER[®]



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: