

SANDPIPER®

PRODUCT CATALOG

EVOLUTION^X™



The all new EvolutionX platform represents the pinnacle of performance, efficiency and serviceability.

NOW AVAILABLE IN 1", 1.5" & 2" NON-METALLIC SIZES!

sandpiperpump.com

With a rich history of over 60 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.

SCAN TO SEE
WHAT'S NEW

Scan this QR code to stay informed of new products.



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WE PRIDE OURSELVES ON
GENUINE PARTS

We get it, when pumps are not working it negatively affects your business. Minimize potential, extended downtime by servicing your AODD pumps with OEM parts, sold through authorized SANDPIPER distributors.

Shorter life cycles of pirate parts may end up costing you more money when you add up the cost of more downtime, more maintenance, and potential damage to other components.

Knowing the difference is really important.





PRODUCT LINE EXPANDED!

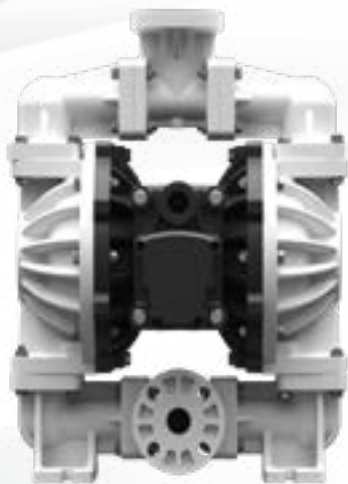
IT'S HERE: AN INNOVATIVE NEW AODD PUMP WITH THE X FACTOR FOR CONVENIENCE, EFFICIENCY & VERSATILITY

The EvolutionX represents the pinnacle of performance, efficiency and serviceability.



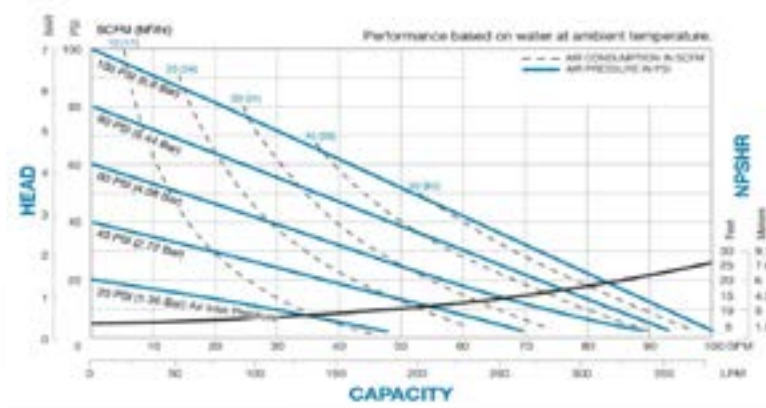
1.5" Non-Metallic

- | | | | |
|--|---|---|---|
| MAX FLOW <ul style="list-style-type: none">• 0-63 GPM (238 LPM) | PORTING <ul style="list-style-type: none">• 1" ANSI / DIN Flange | AIR END <ul style="list-style-type: none">• Aluminum | WET END <ul style="list-style-type: none">• Aluminum• Stainless Steel• Cast Iron |
|--|---|---|---|



1" Non-Metallic

- | | | |
|--|---|---|
| MAX FLOW <ul style="list-style-type: none">• 0-63 GPM (238 LPM) | PORTING <ul style="list-style-type: none">• 1" ANSI / DIN Flange | AIR END <ul style="list-style-type: none">• Polypropylene• Conductive Polypropylene |
|--|---|---|



2" Non-Metallic

- | | | | |
|--|---|---|---|
| MAX FLOW <ul style="list-style-type: none">• 0-63 GPM (238 LPM) | PORTING <ul style="list-style-type: none">• 1" ANSI / DIN Flange | AIR END <ul style="list-style-type: none">• Aluminum | WET END <ul style="list-style-type: none">• Aluminum• Stainless Steel• Cast Iron |
|--|---|---|---|



Superior Performance Points



Enhanced Convenience
Reduced service time – EvolutionX takes, on average, five minutes to service the air distribution system compared to 45 minutes on average for other AODD pumps. testing and deadheading to ensure leak free performance.



Lower Energy Use
Achieves an incredible 20% average increase in air efficiency throughout the entire curve over our prior model



Serviceability
The EvolutionX has 50% fewer fasteners than the previous model



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

MULTIPLE PORTING OPTIONS!

1. Universal ANSI/DIN Flanged Center Ported
2. Universal ANSI/DIN Flanged Dual Ported
3. Universal ANSI/DIN Flanged End Ported
4. NPT or BSP Threaded Center Ported
5. NPT or BSP Threaded End Ported



Watch the video here



LEARN
MORE ABOUT
EVOLUTION X
FROM SANDPIPER

SANDPIPER pumps are evolving to perform better than ever. Last year we introduced our SANDPIPER EvolutionX 1" pump, the first to launch in a series of pump sizes. We are excited to share the continuation of this line with 1.5" and 2" pump sizes. This innovative air operated double diaphragm pump design is the culmination of over 60 years of industry leading research, development and engineering in pump & fluid dynamics. The EvolutionX represents the pinnacle of performance, efficiency and serviceability.

Features:

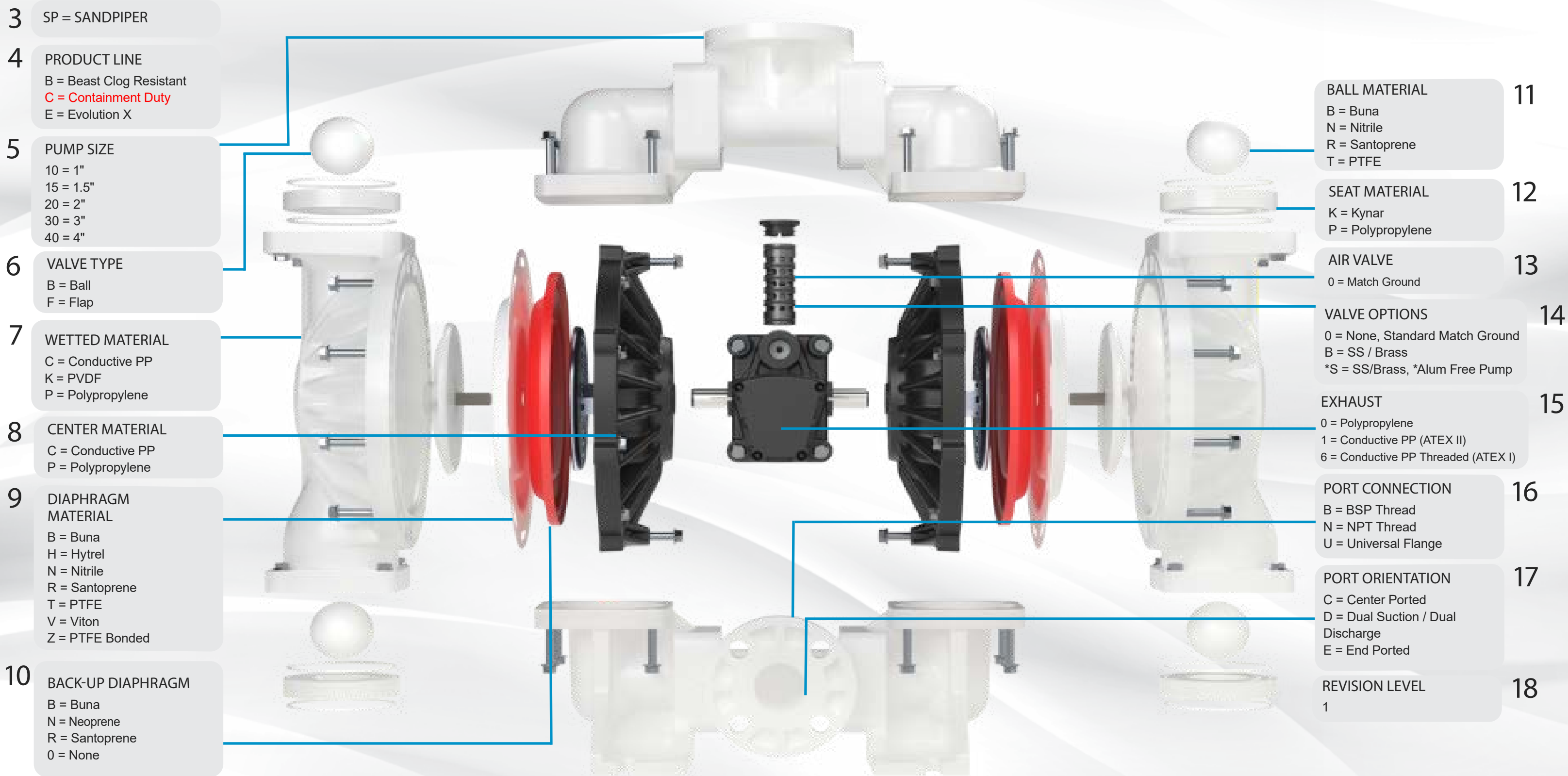
- Lower energy use – Achieves an incredible 20% average increase in air efficiency throughout the entire curve over our prior model.
- High flow – The EvolutionX has the highest flow rate of any other AODD pump.
- Enhanced Convenience – Exponentially reduce AODD pump assembly and service time

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-port manifold or a dual-port option. The mounting feet are extremely versatile and fit existing SANDPIPER pumps and multiple other manufacturers' dimensions.

SANDPIPER GEN III NOMENCLATURE

SP 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17

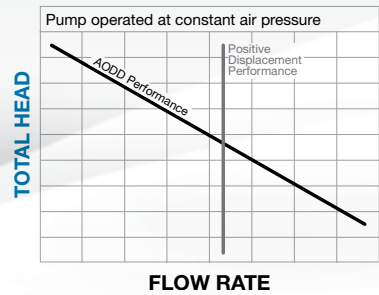


WHY CHOOSE AODD PUMPS

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.

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



WASTEWATER



COATINGS



PULP & PAPER



OIL & GAS



ALL MARKETS



MINING

SOLVING YOUR SIMPLE TO COMPLEX APPLICATION NEEDS

For over 60 years, SANDPIPER has been your go-to air-operated double-diaphragm (AODD) pump manufacturer for a range of solutions to solve specific market application needs. We take pride in supporting you with your basic AODD pumping needs, as well as working closely with you to solve your most challenging pumping problems.



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



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



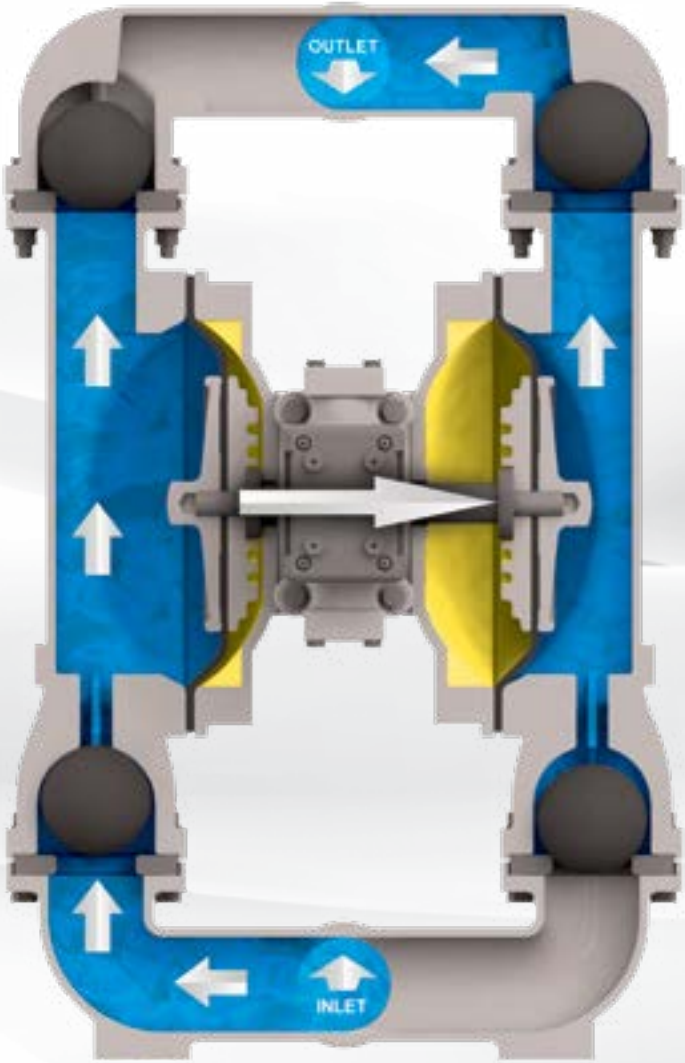
- Superior Performance**
- For Flap Valve pumps the hinge pads exert positive pressure on the flaps allowing the pump to operate in virtually any position, helping deliver superior suction lift and flow rates



- 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.

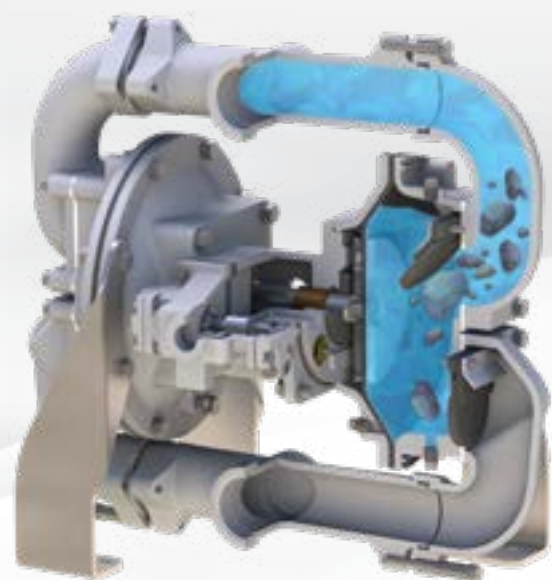


- 5 YEAR LIMITED PRODUCT WARRANTY**
- 5 Year Guarantee for defects in material or workmanship.



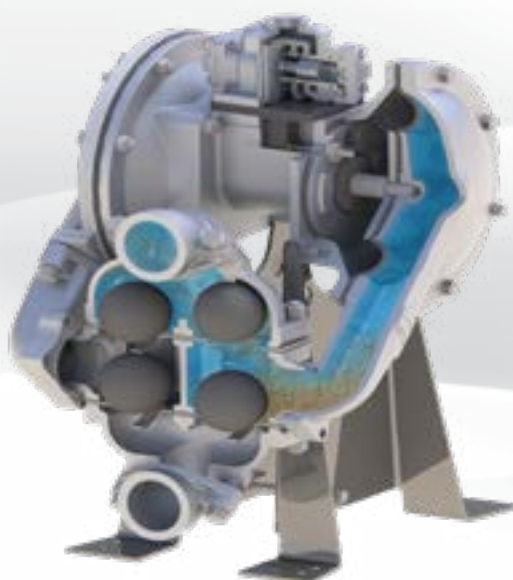
- ESADS+PLUS AIR DISTRIBUTION SYSTEM**
- Allows for quick and easy access to the pilot and spool valves.

SIGNATURE CONFIGURATIONS



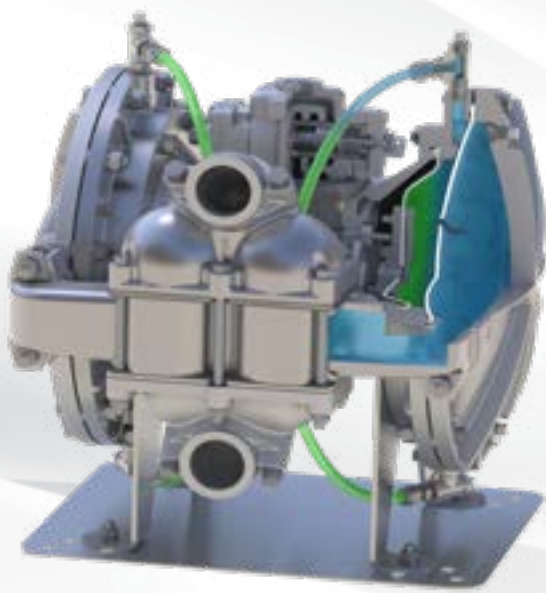
Heavy Duty Flap Valve

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.

FEATURES - BENEFITS

- ✓ ESADS+Plus®
- ✓ Performance Guaranteed
- ✓ In-line Serviceable Air Valve System

Bolted Construction • Safe • Reliable • Easy Maintenance
Durable • Corrosion Resistant • Guaranteed Diaphragm
Connecting Rod

- Bottom Discharge Porting - Eliminates Settling Solids
- Thick Wall Construction
- Horizontal and Vertical Manifold Connections
- Free Standing Base - Reduces Downtime - Easy Re-Build
- Heavy Duty Wear Package - Extends "MTBF"

- Weighted Ball Check Valves
- Solids Range +1/4" (6mm) to 7/8" (22mm)
- Dry Primes up to 20 Feet of Water

- Hinged Flap Check Valves
- Solids Range +1" (25mm) to 3" (76mm)
- Dry Primes up to 24 Feet of Water

FEATURES - BENEFITS

- ✓ ESADS+Plus®
- ✓ Performance Guaranteed
- ✓ In-line Serviceable Air Valve System

Bolted Construction • Safe • Reliable • Easy Maintenance
Durable • Corrosion Resistant • Guaranteed Diaphragm
Connecting Rod

- Top Discharge Porting - Eliminates Entrained Air
- Metallic and Non-Metallic Materials of Construction
- Ball Check Valves - Light Weight - Portable
- 900 - 1800 Manifold Connection Rotation

- Containment Chamber with Leak Detection
- Hydraulically Balanced/Coupled Pumping and Driver Diaphragm Assemblies
- Solids Range +1/4" (6mm) to 3/4" (18mm)
- Dry Primes up to 18 Feet of Water
- Free Standing Support Base

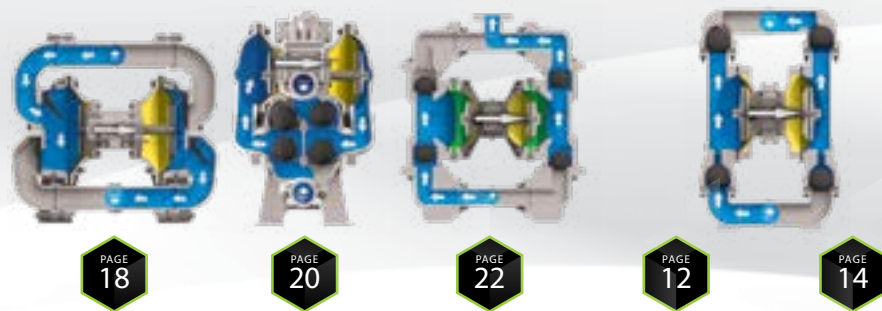
- Solids Range +1/8" (3mm) to 3/4" (19mm)
- Dry Primes up to 20 Feet of Water

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	✓	+	✓	✓	✓

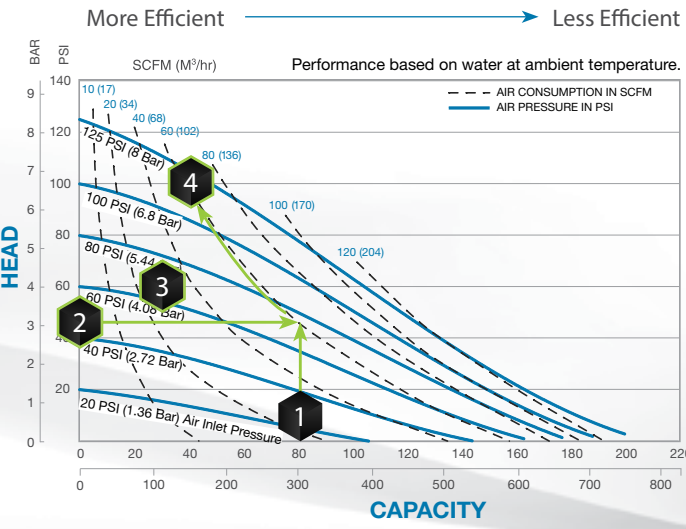
+ = Best Type ✓ = Suitable ! = Limitations X = Not Recommended

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.

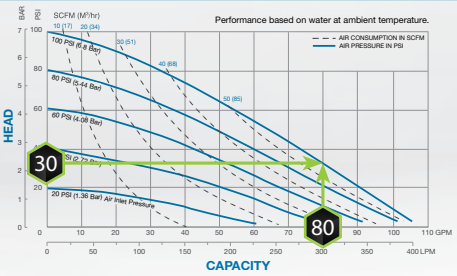


Sizing to Extend Mean Time Between Failures

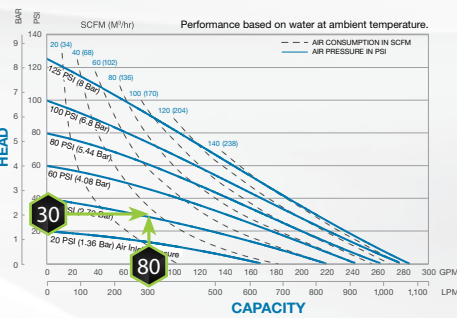
Pumping requirements (flow & head) for most applications can be met by multiple sizes of pumps. Talk to SANDPIPER's application engineers to assist you with a size selection which best fits your total cost of ownership budget. An appropriately sized-up pump will lower the consolidated initial investment, 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

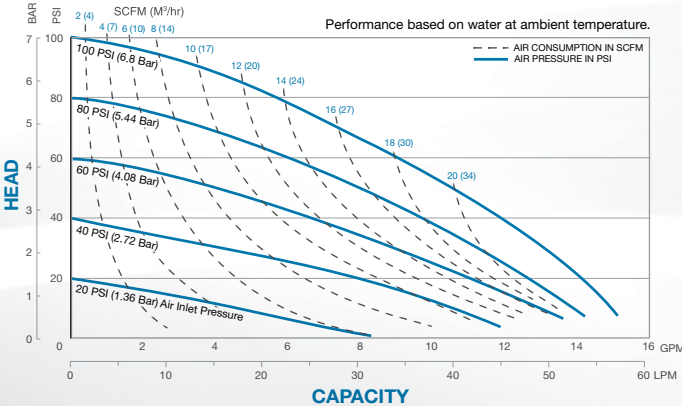
Standard Duty Metallic Pumps are ideally suited for intermittent / on-demand, portable, moderately abrasive fluids, and suspended solids. Standard duty pumps are constructed in Aluminum, Cast Iron, Stainless Steel with elastomer TPE (thermal plastic elastomers) and PTFE options in diaphragms and check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



Learn more about these pumps

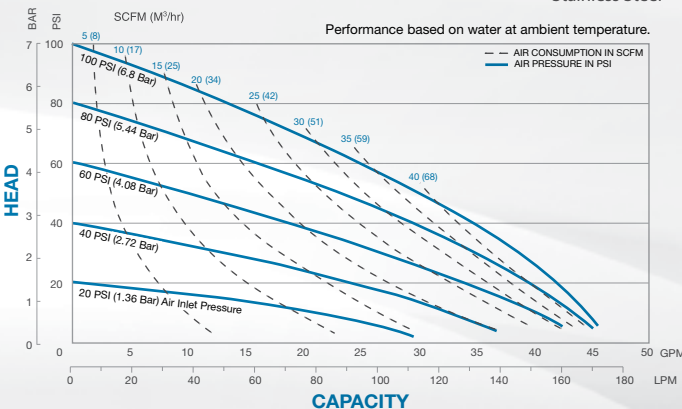
1/2" 12mm S05 Metallic

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



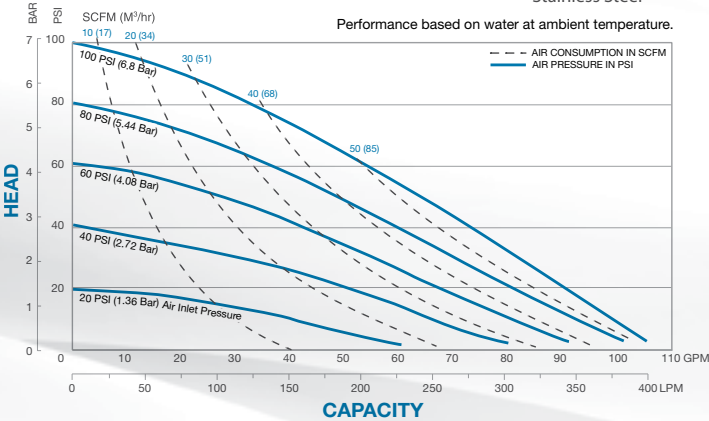
1" 25mm S1F Metallic

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



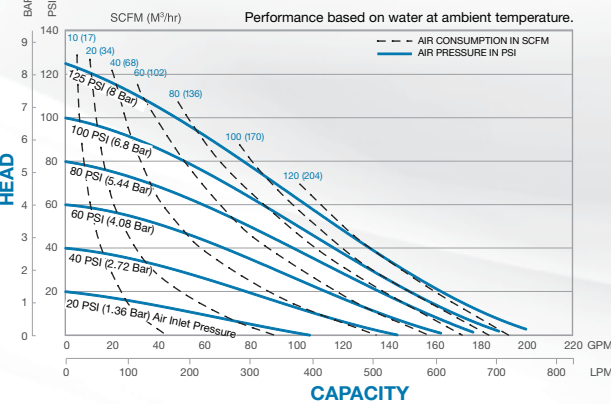
1 1/2" 38mm S15 Metallic

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



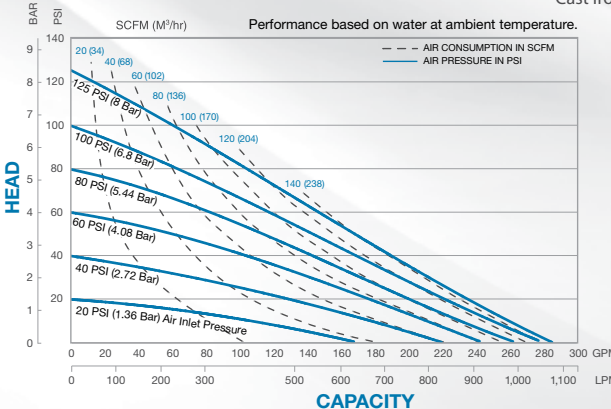
2" 50mm S20 Metallic

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



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



STANDARD DUTY BALL VALVE PUMPS - NON-METALLIC

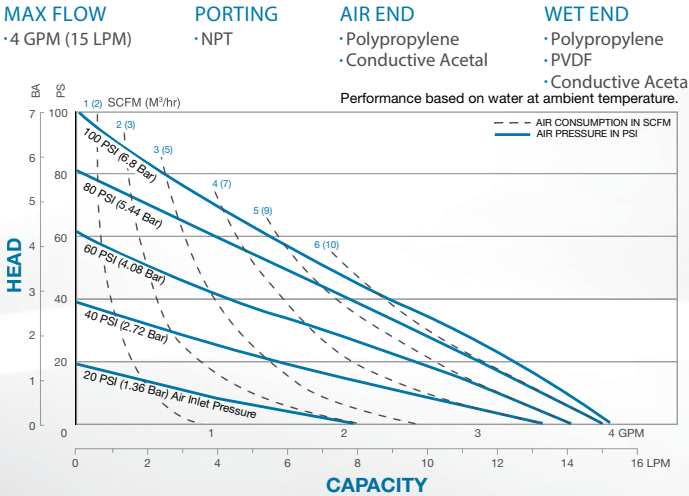
Offering the widest range of performance and application capabilities

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.

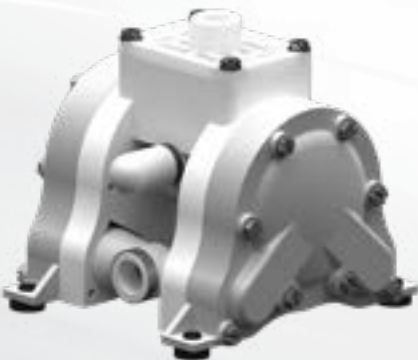
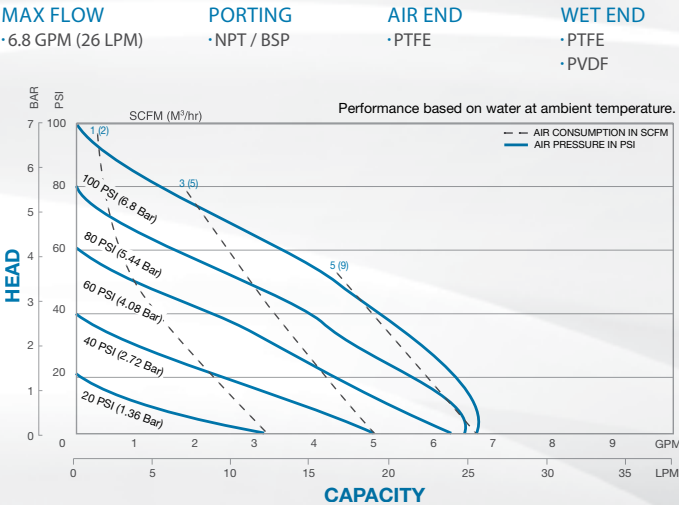


Learn more about these pumps

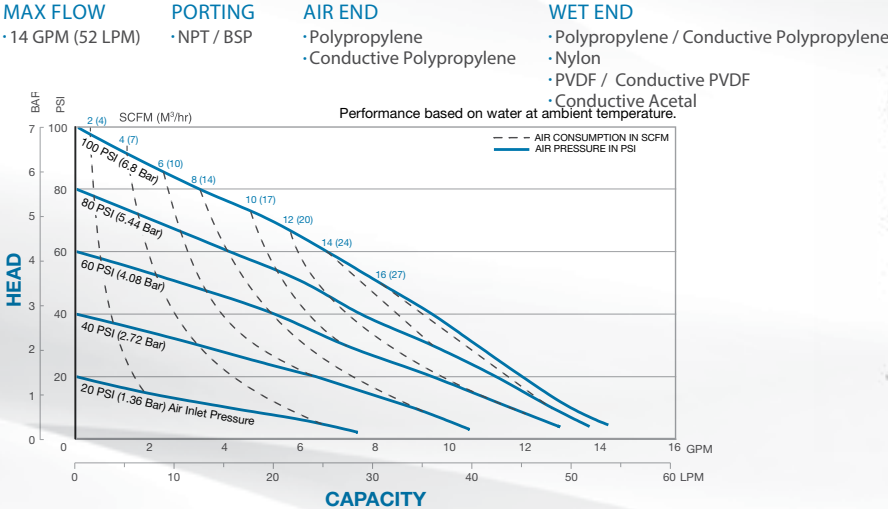
1/4" PB 1/4 Non-Metallic



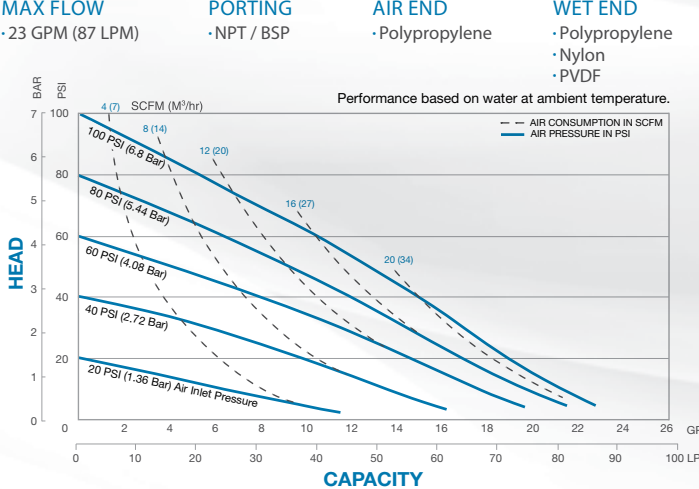
3/8" WR10 Non-Metallic



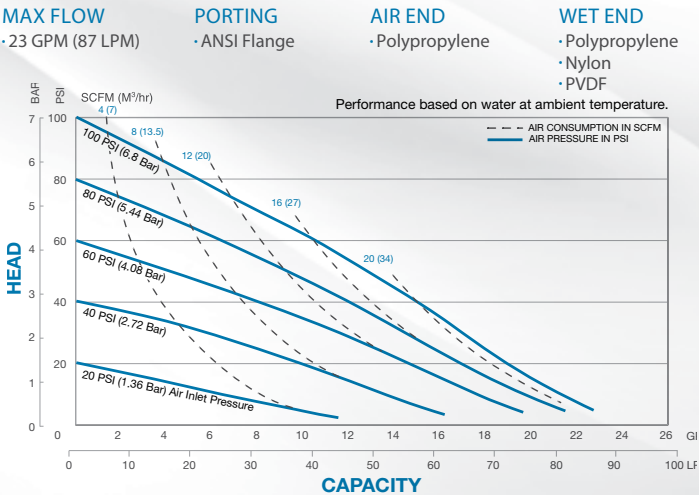
1/2" S05 Non-Metallic



3/4" S07 Non-Metallic

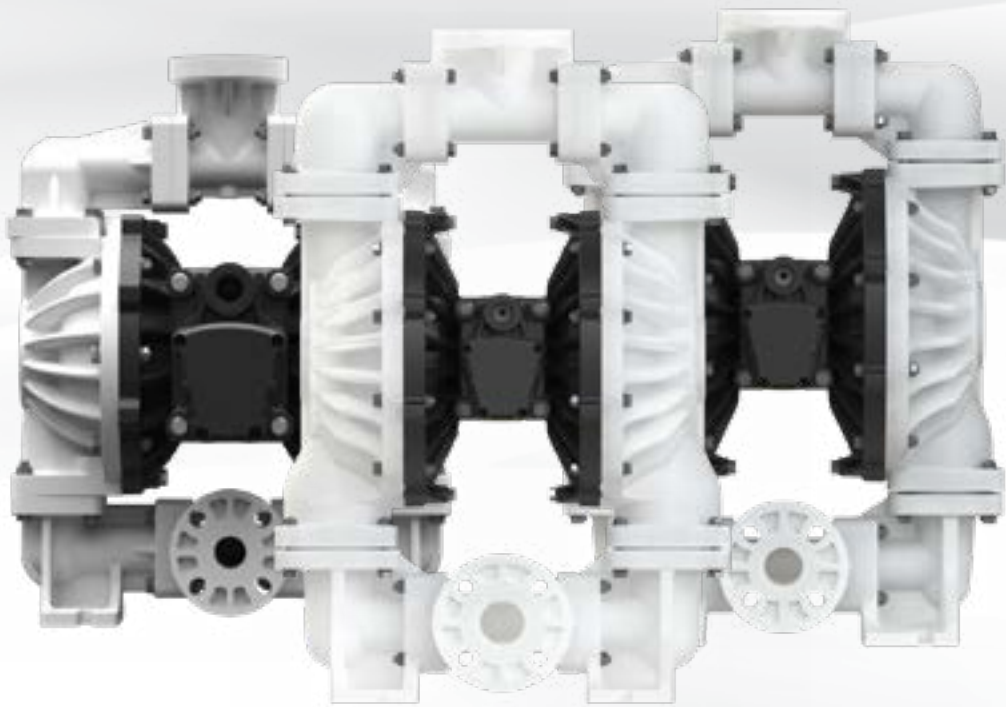


1" S10 Non-Metallic



STANDARD DUTY BALL VALVE PUMPS - NON-METALLIC

THE EVOLUTION X PRODUCT LINE HAS EXPANDED



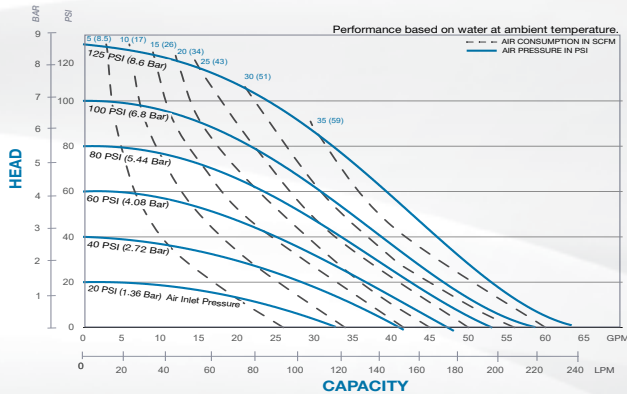
THE S15 AND S20 NON-METALLIC HAVE BEEN REPLACED BY SPE15 AND SPE20

SEE PAGE 4-5 FOR MORE INFORMATION

1"
25mm

SPE10

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

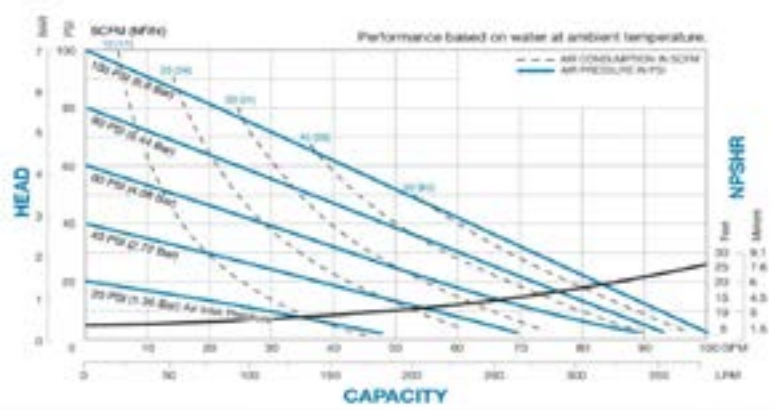


EVOLUTION X

1 1/2"
38mm

SPE15

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



EVOLUTION X

2"
50mm

SPE20

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

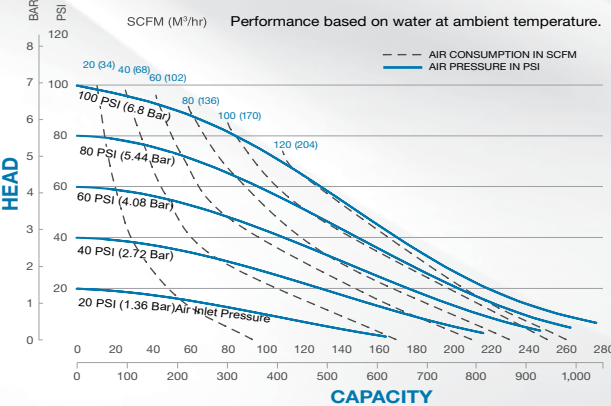


EVOLUTION X

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



Learn more about these pumps

ESADS+Plus Air Valve
Externally Serviceable Air Distribution System

1"
25mm

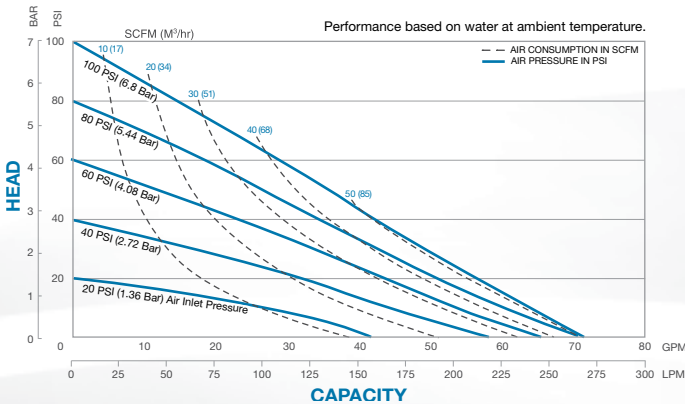
HDF1 / HDF25 Metallic

MAX FLOW
• 70 GPM (265 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum
• Cast Iron

WET END
• Aluminum
• Stainless Steel



2"
50mm

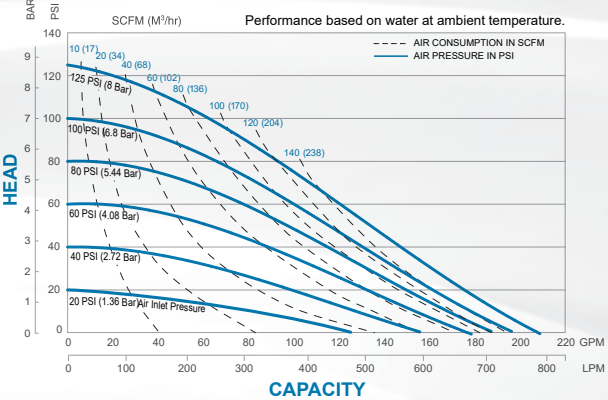
HDF2 / HDF50 Metallic

MAX FLOW
• 208 GPM (787 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum
• Cast Iron

WET END
• Aluminum
• Stainless Steel
• Cast Iron



3-4"
75-102mm

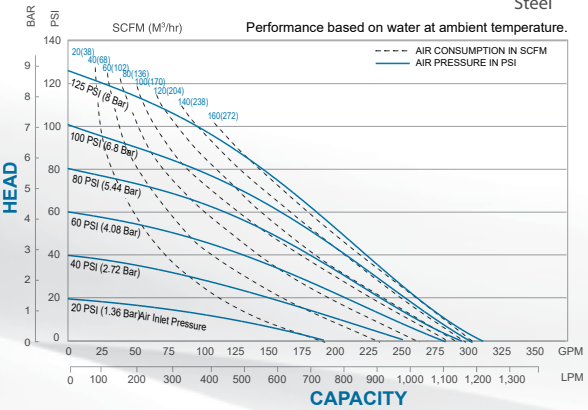
HDF3-A / 4-A Metallic

MAX FLOW
• 310 GPM (1,173 LPM)

PORTING
• ANSI Flange

AIR END
• Aluminum

WET END
• Aluminum
• Stainless Steel



3-4"
75-102mm

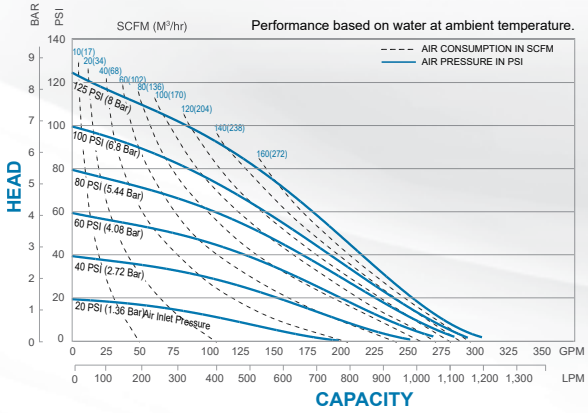
HDF3-M / 4-M Metallic

MAX FLOW
• 303 GPM (1,147 LPM)

PORTING
• ANSI Flange

AIR END
• Cast Iron

WET END
• Cast Iron



2"
50mm

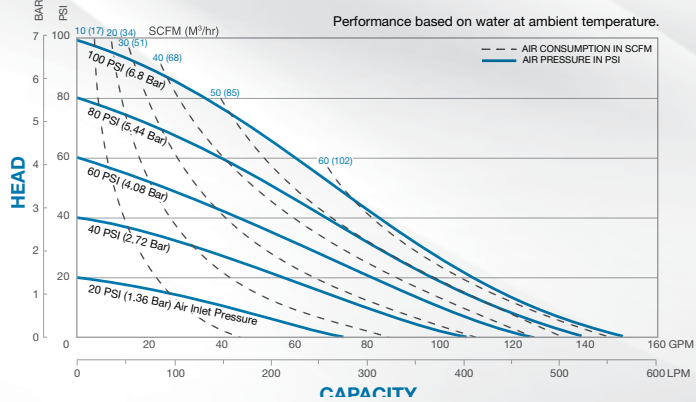
HD20F Non-Metallic

MAX FLOW
• 150 GPM (567 LPM)

PORTING
• NPT / BSPT

AIR END
• Polypropylene

WET END
• Polypropylene
• Stainless Steel (seats only)



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

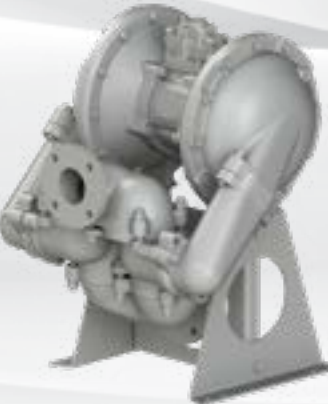
HDB3 / HDB4 Metallic

MAX FLOW
• 300 GPM (1,136 LPM)

PORTING
• ANSI Flange

AIR END
• Cast Iron

WET END
• Stainless Steel
• Cast Iron



SANDPIPER

KIT LOOKUP TOOL

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

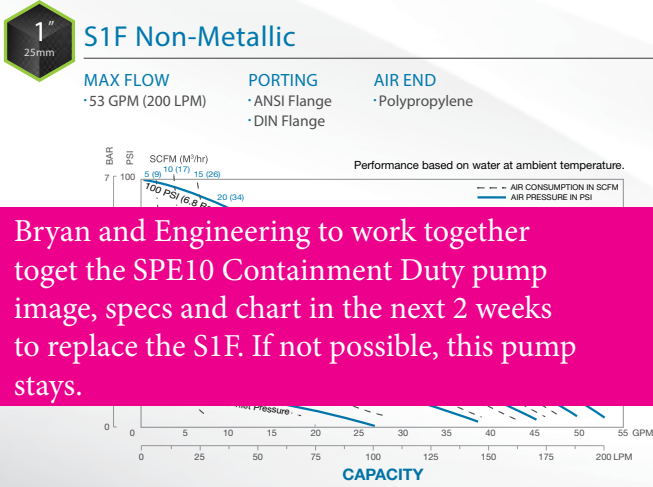
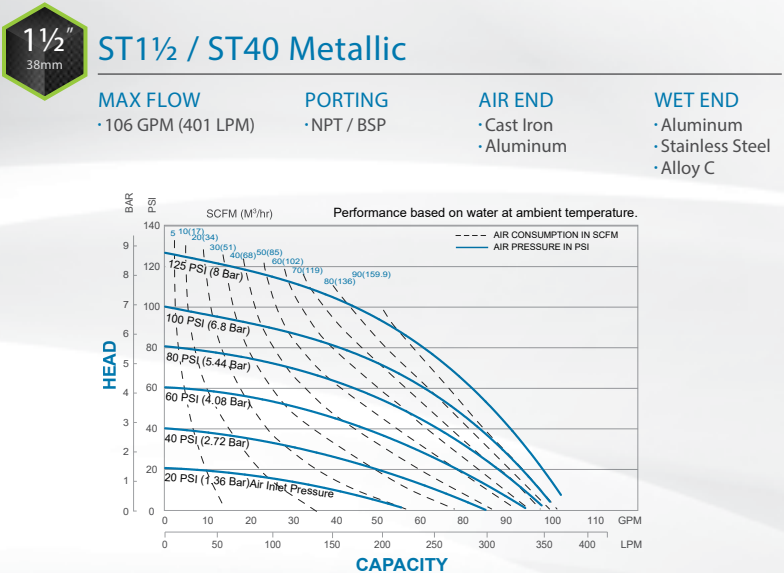
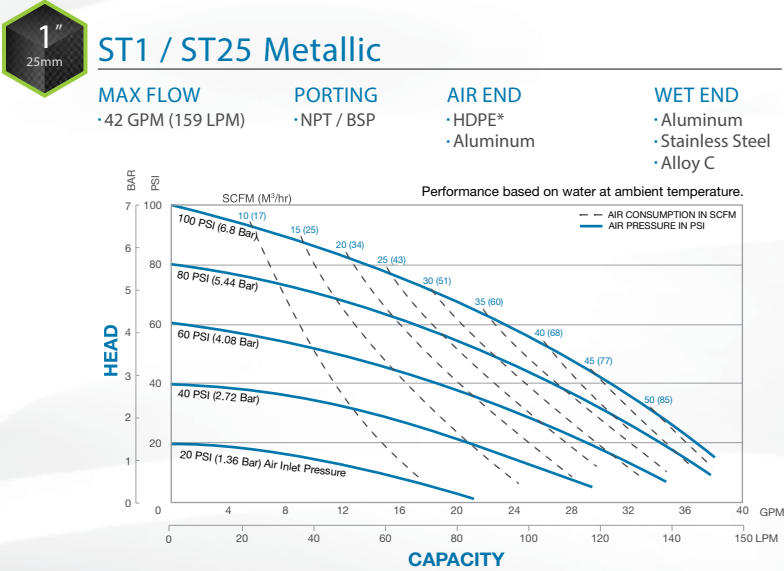
CONTAINMENT DUTY PUMPS

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

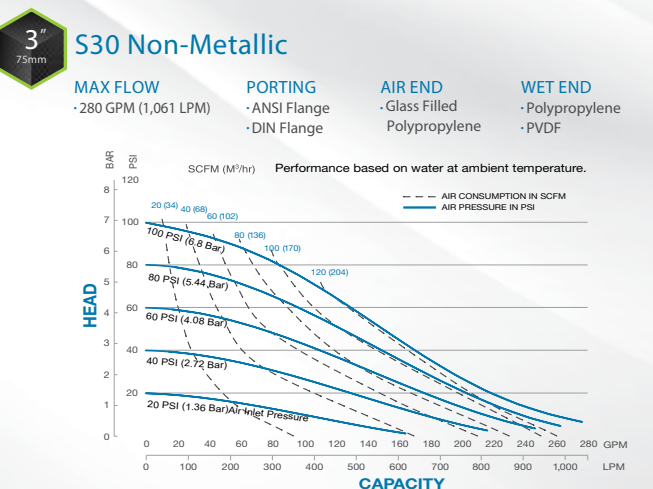
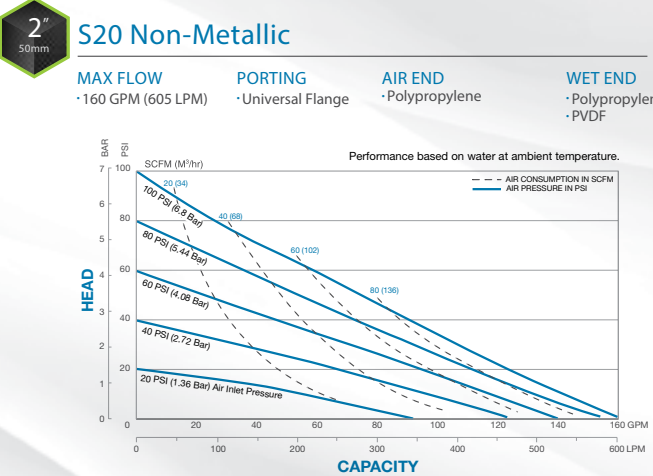
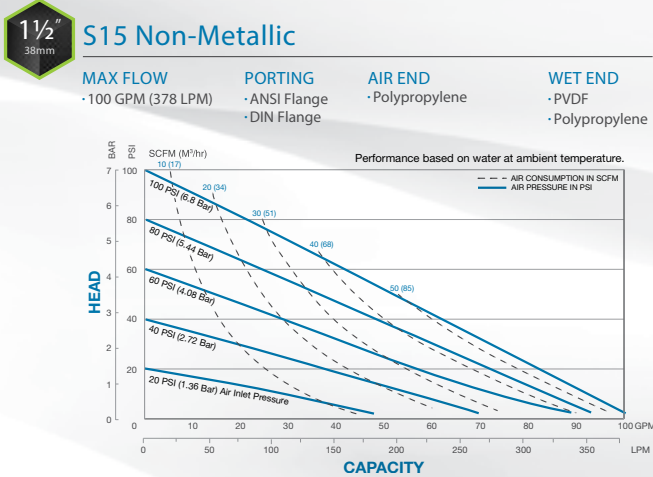
Containment Duty Pumps are ideal for highly corrosive and hazardous chemical fluid applications. They are designed with containment chambers, hydraulically balanced/coupled pumping diaphragm and driver diaphragm assemblies and accommodate visual, mechanical and low voltage leak detection devices. CD 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.



Learn more about these pumps



Bryan and Engineering to work together to get the SPE10 Containment Duty pump image, specs and chart in the next 2 weeks to replace the S1F. If not possible, this pump stays.



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 THEIndustry

SAFETY COMPLIANCE WITH:

LARGEST SOLIDS PASSAGE

EASE OF REPAIR & LESS DOWNTIME

ENHANCED TEMPERATURE RESISTANCE AND CHEMICAL COMPATIBILITY

BEST GUARANTEE IN THE INDUSTRY

SIZE & FLOW

TEMP

SAFETY

SAFETY COMPLIANCE WITH:

SOLIDS HANDLING

GAS / AIR VALVE REPAIR

GAS / AIR END MATERIALS

PERFORMANCE RELIABILITY

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

Learn more about these pumps

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

1" 25mm G10F Metallic

MAX FLOW
• 70 GPM (265 LPM)

PORTING
• NPT / BSP (tapered)

MAX SOLIDS
• 1" (25mm)

GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers

WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves

2" 50mm G20F Metallic

MAX FLOW
• 208 GPM (787 LPM)

PORTING
• NPT

MAX SOLIDS
• 2" (50mm)

GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers

WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm/Check Valves

Scan to see the Oil & Gas Process Map

SANDPIPER

WHEN ONLY THE BEST WILL DO, SELECT SANDPIPER

SANDPIPERPUMP.COM

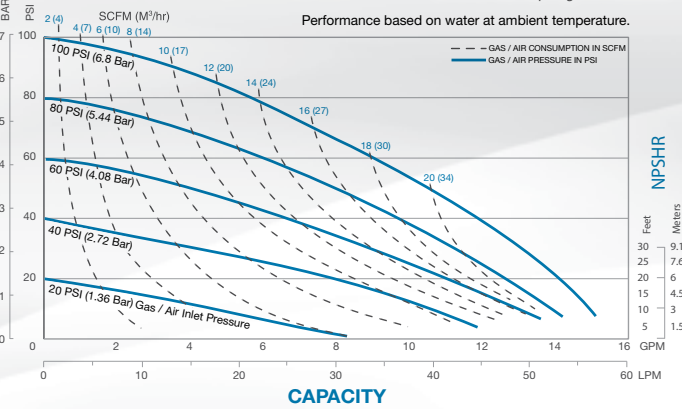
SANDPIPER

DUAL POWER NATURAL GAS

1/2" 12mm

G05 Metallic

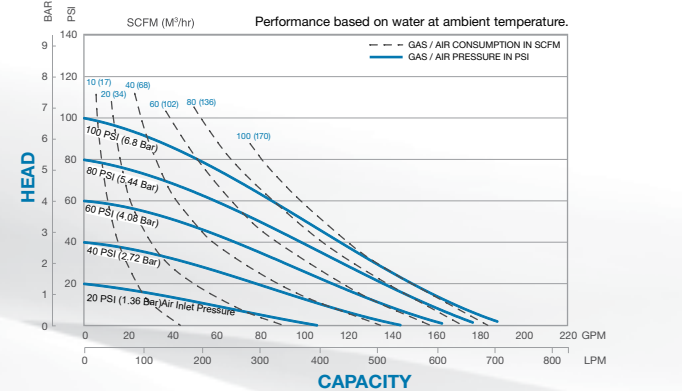
- MAX FLOW
• 15 GPM (57 LPM)
- PORTING
• NPT / BSP (tapered)
• ANSI Flange*
- GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers
- WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm/Check Valves



2" 50mm

G20 Metallic

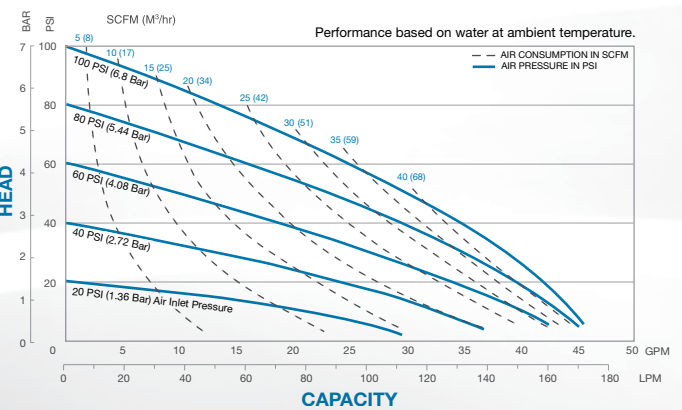
- MAX FLOW
• 200 GPM (758 LPM)
- PORTING
• NPT / BSP (tapered)
• ANSI Flange
- GAS / AIR END
• Aluminum
• Stainless Steel
• Nitrile or FKM Elastomers
- WET END
• Aluminum
• Stainless Steel
• Nitrile or PTFE Diaphragm/Check Valves



1" 25mm

G1F Metallic

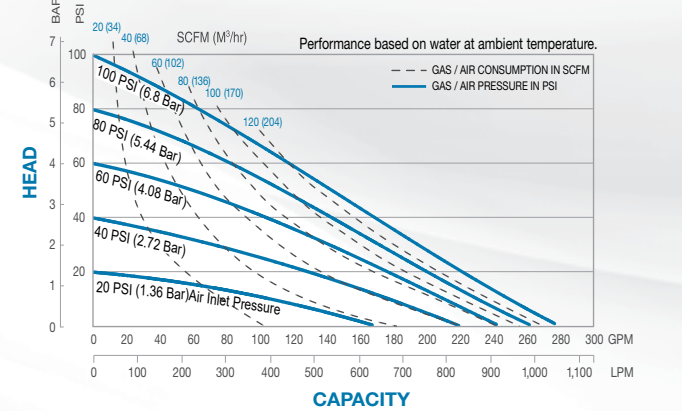
- MAX FLOW
• 45 GPM (170 LPM)
- PORTING
• NPT / BSP (tapered)
- GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers
- WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves



3" 75mm

G30 Metallic

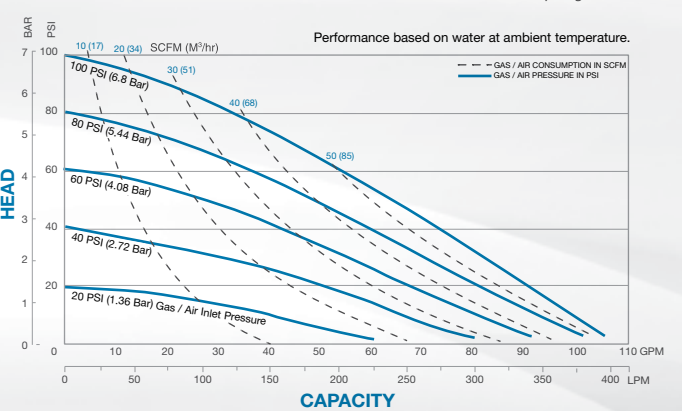
- MAX FLOW
• 285 GPM (1,078 LPM)
- PORTING
• NPT / BSP (tapered)
• ANSI Flange
• DIN Flange
- GAS / AIR END
• Aluminum
• Stainless Steel
• Nitrile or FKM Elastomers
- WET END
• Aluminum
• Stainless Steel
• Nitrile or PTFE Diaphragm/Check Valves



1 1/2" 38mm

G15 Metallic

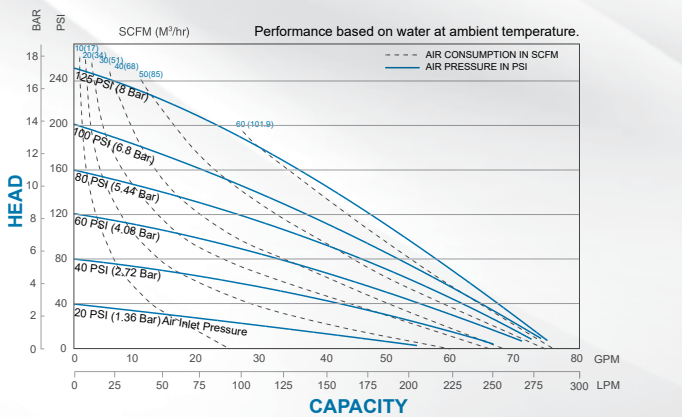
- MAX FLOW
• 106 GPM (401 LPM)
- PORTING
• NPT / BSP (tapered)
• ANSI Flange
- GAS / AIR END
• Aluminum
• Nitrile or FKM Elastomers
- WET END
• Aluminum
• Stainless Steel
• Nitrile or FKM Diaphragm / Check Valves



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

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



Materials Of Construction

316 Stainless Steel components



Certifications Available

CE EAC UK UKA

T-SERIES



T1F Metallic

MAX FLOW
• 45 GPM (170 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



T20 Metallic

MAX FLOW
• 200 GPM (758 LPM)

PORTING
• Tri-Clamp

AIR END
• Epoxy Coated Aluminum
• Stainless Steel

WET END
• Stainless Steel



T30 Metallic

MAX FLOW
• 285 GPM (1,078 LPM)

PORTING
• Tri-Clamp

AIR END
• Epoxy Coated Aluminum
• Stainless Steel

WET END
• Stainless Steel



TSA2 Metallic

MAX FLOW
• 140 GPM (530 LPM)

PORTING
• Tri-Clamp

AIR END
• Epoxy Coated Aluminum
• Stainless Steel

WET END
• Stainless Steel



Flap Valve Pump

F-SERIES

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



Materials Of Construction

316 Stainless Steel components



Certifications Available

CE EAC UK UKA

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%.



FB05 Metallic

MAX FLOW
• 12 GPM (45.5 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum
• Polypropylene

WET END
• Stainless Steel



F10 Metallic

MAX FLOW
• 49 GPM (185.5 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum
• Polypropylene

WET END
• Stainless Steel



F15 Metallic

MAX FLOW
• 71 GPM (268 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum

WET END
• Stainless Steel



F20 Metallic

MAX FLOW
• 167 GPM (632 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum
• Stainless Steel

WET END
• Stainless Steel



F30 Metallic

MAX FLOW
• 234 GPM (886 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum
• Stainless Steel

WET END
• Stainless Steel

STANDARD FDA COMPLIANT PUMPS

F-SERIES CONT.



Learn more about these pumps



1½" 38mm F15 Metallic

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



F20 Metallic

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



3" 75mm F30 Metallic

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

F-SERIES

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%.

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



1½" 38mm F15 Metallic - Sanitary

MAX FLOW	PORTING	AIR END	WET END
• 86 GPM (325.5 LPM)	• Sanitary Clamp	• Nickel Plated Aluminum • Stainless Steel	• Stainless Steel

2" 50mm F20 Metallic - Sanitary

MAX FLOW	PORTING	AIR END	WET END
• 179 GPM (677 LPM)	• Sanitary Clamp	• Nickel Plated Aluminum • Stainless Steel	• Stainless Steel



1½" 38mm F15 Metallic - 3A

MAX FLOW	PORTING	AIR END	WET END
• 51 GPM (193 LPM)	• Sanitary Clamp	• Nickel Plated Aluminum • Stainless Steel	• Stainless Steel

2" 50mm FB20 Metallic - 3A

MAX FLOW	PORTING	AIR END	WET END
• 147 GPM (556 LPM)	• Sanitary Clamp	• Nickel Plated Aluminum • Stainless Steel	• Stainless Steel



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



Certifications Available
CE Ex EAC UK CA



Leak Detection
Pair with Electronic Leak Detection



1"
25mm

SSB1 / DSB1 Metallic

MAX FLOW
• 54 GPM (204 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum

WET END
• Stainless Steel



2"
50mm

SSB2 Metallic

MAX FLOW
• 125 GPM (473 LPM)

PORTING
• Tri-Clamp

AIR END
• Nickel Plated Aluminum

WET END
• Stainless Steel

WHAT DOES FDA-COMPLIANT MEAN?

Because the FDA regulates many food products, all pump components must comply with the FDA's Code of Federal Regulations (CFR) Title 21 Part 177 for materials that come in contact with food and beverages. Natural undyed Santoprene, Polytetrafluoroethylene (PTFE) or Teflon and Stainless Steel are several popular material options used for FDA-compliant food processing air-operated double-diaphragm (AODD) pumps. Some manufacturers also offer electropolished stainless steel castings for a shiny and smoother surface finish, enabling easier, more efficient cleaning.

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.

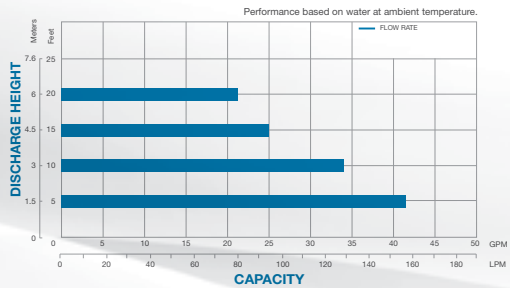
1½"
38mm

SPA1½-E Metallic

MAX FLOW
• 43 GPM (163 LPM)

PORTING
• NPT / BSP

WET END
• Aluminum



Learn More

The SludgeMaster™ Submersible, Air-Powered Trash Pump handles mud, leaves, twigs, sand, sludge, trash-laden water and soft solids to 1½" (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.

3"
76mm

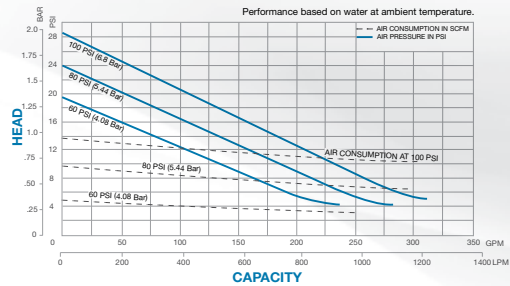
SMA3 Metallic

MAX FLOW
• 300 GPM (1140 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum

WET END
• Aluminum





Certifications Available
CE UK CA



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.

1"
25mm

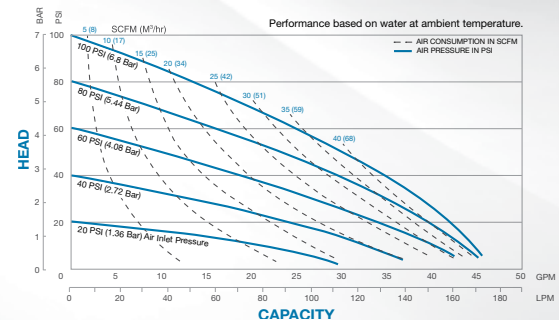
U1F Metallic

MAX FLOW
• 45 GPM (170 LPM)

PORTING
• NPT / BSP

AIR END
• Aluminum

WET END
• Aluminum





UL: Underwriters Laboratories



Certifications Available
CE EAC UK CA



Learn More

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



Flap Valve
Pump

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

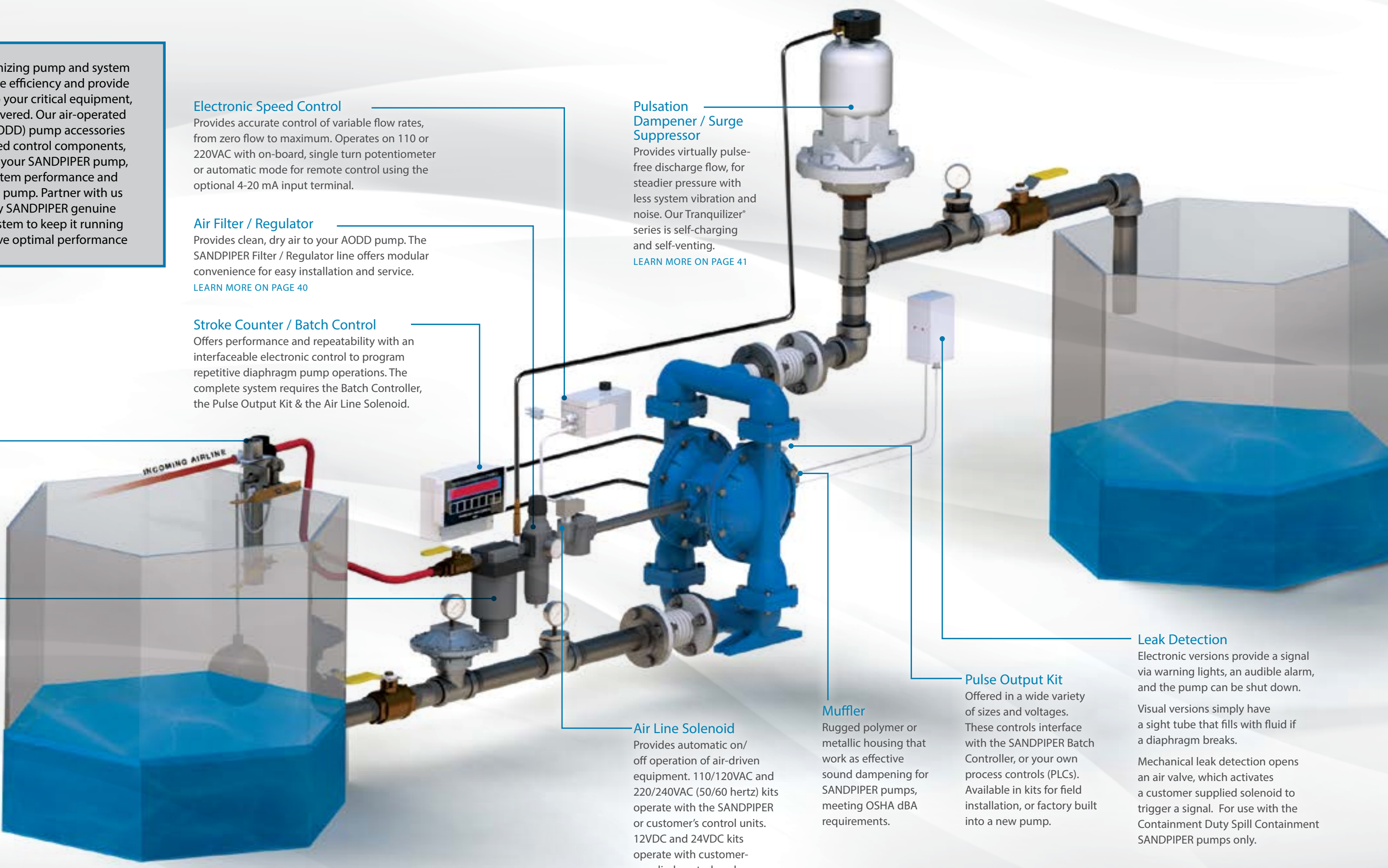
Rugged polymer or metallic housing that work as effective sound dampening for SANDPIPER pumps, meeting OSHA dBA requirements.

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



* Up to 3/4" units.

- 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



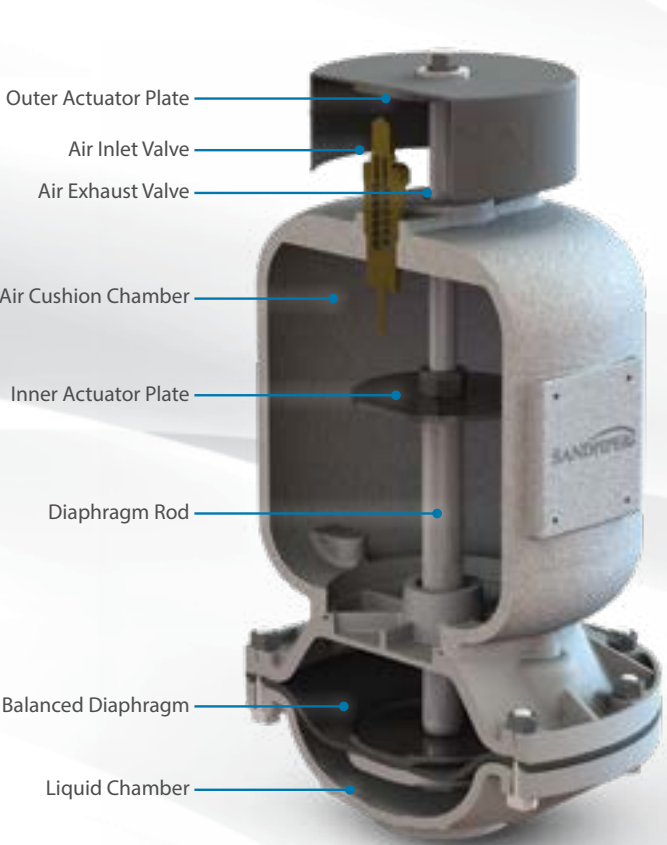
In applications with very dry air supplies or where nitrogen is being utilized to operate the pump, lubrication of the compressed air supply is required. For these situations, we offer a complete line of Lubricators that easily connect to our Filter / Regulators.

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	1/4" 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	1/2" 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	3/4" 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**

SANDPIPER Tranquilizers are premium pulsation dampeners/diaphragm pump surge suppressors. They are "Universal" and easily installed tools for surge-free flows and steady liquid pressures protecting both pumping fluid and process equipment.



DA SERIES

Sizes: 1/2", 3/4" & 1"

Wetted Materials: Polypropylene, PVDF, Aluminum & Stainless Steel

Non-Wetted Materials: Polypropylene

Diaphragm Material: PTFE

Porting Options: NPT, BSP, ANSI Flange (1" only)



DC SERIES

NEW for 2026

Sizes: 1", 1.5", 2" & 3"

Wetted Materials: Polypropylene

Non-Wetted Materials: Aluminum

Diaphragm Material: Santoprene, Buna, Neoprene, PTFE

Porting Options: Universal ANSI/DIN Flange



TA SERIES

Sizes: 1", 1.5", 2" & 3"

Wetted Materials: Aluminum, Cast Iron (except 1") & Stainless Steel

Non-Wetted Materials: Aluminum

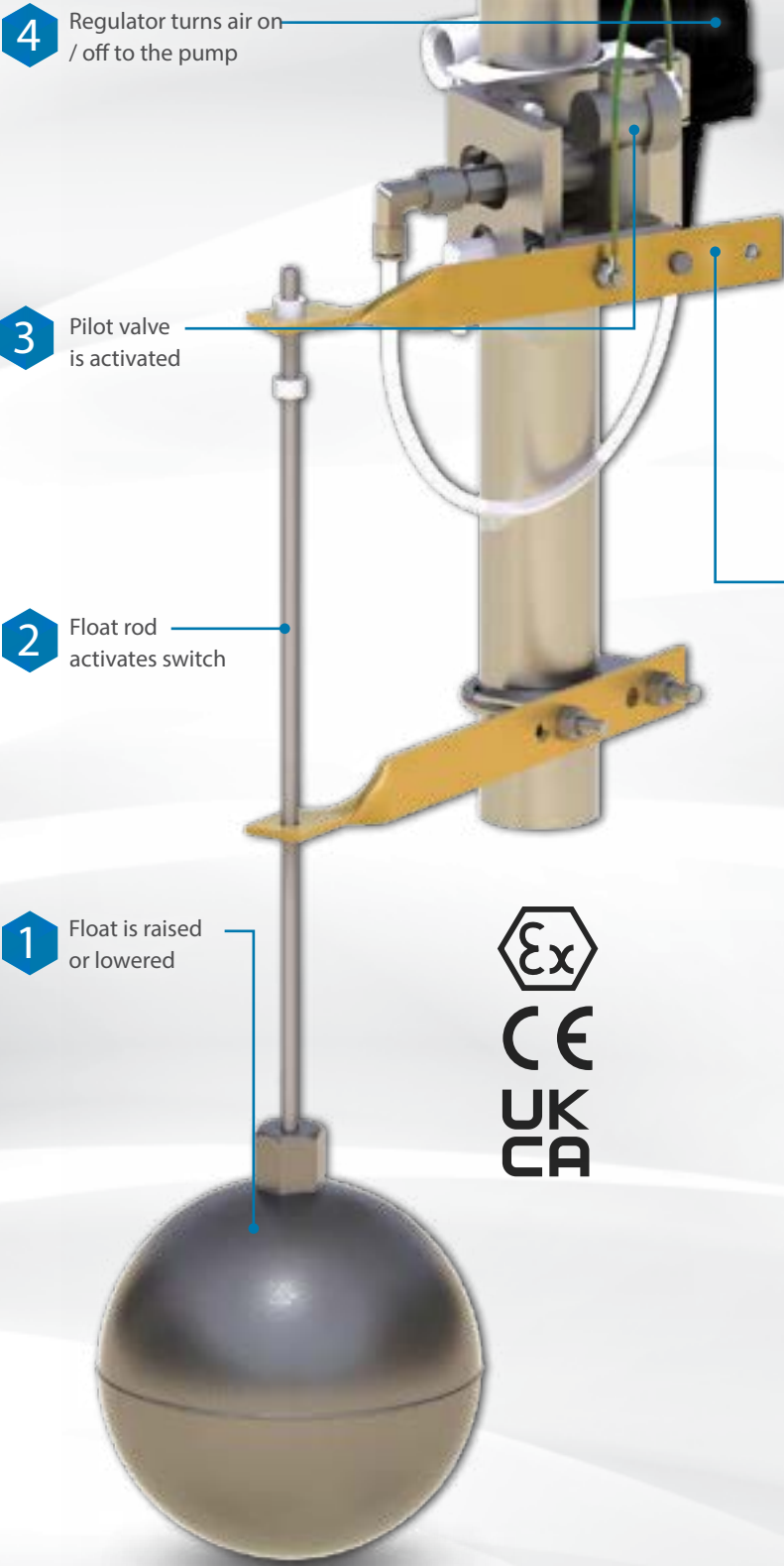
Diaphragm Material: Santoprene, Buna, Neoprene, Viton, & Neoprene with PTFE overlay & EPDM (2" & 3" Only)

Porting Options: NPT & BSPT

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

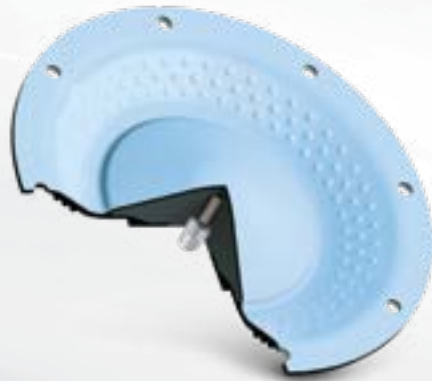
Santoprene® is a registered trademark of Exxon Mobil Corp. Hytrel® is a registered trademark of E.I. DuPont.

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

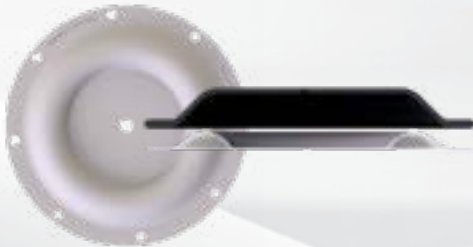
Extend diaphragm life by reducing the frictional stresses associated with the outer diaphragm plate.

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.

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](#)

TRIAL PUMP REQUEST

SANDPIPER'S 30-DAY TRIAL PUMP REQUEST FORM

Scan to accept the terms of the Trial Application by IDEX AODD and Distribution. A pump/product will be sent on a no charge basis for the trial period.



SANDPIPER®



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5 year
LIMITED WARRANTY