

OIL & GAS

INDUSTRY / APPLICATIONS



G SERIES
Pumps



DRILLER'S MUD SERIES
Pumps



CSA
Accessories

 **Safe**

 **Reliable**

The Widest Range of
Certified Safe & Reliable
Natural Gas Operated Pumps

SANDPIPER®

IDEX
FLUID & METERING

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www.springerpumps.com

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Toll Free Fax: 866-777-6383
Fax Int'l: 215-721-1296

THE SANDPIPER A

GET THE MOST OUT OF YOUR PROCESS WITH A SANDPIPER G SERIES OR DRILL

For nearly 50 years, SANDPIPER, a Warren Rupp, Inc. brand, has been a leading global Air Operated Double Diaphragm (AODD) pump company, featuring the broadest range of products to meet the needs of a wide variety of applications. Decades of innovation, combined with world class engineering expertise, allows the SANDPIPER team to create products that meet the demand of an ever-changing marketplace. Learn more at SANDPIPERPUMP.COM



Natural Gas Power

By utilizing the readily accessible amounts of natural gas on your work site, our pumps sustain maximum performance and reliability. Pumps can be powered by air or natural gas for safe portability.



CSA Certifications

CSA certified quality products you can pump with confidence.



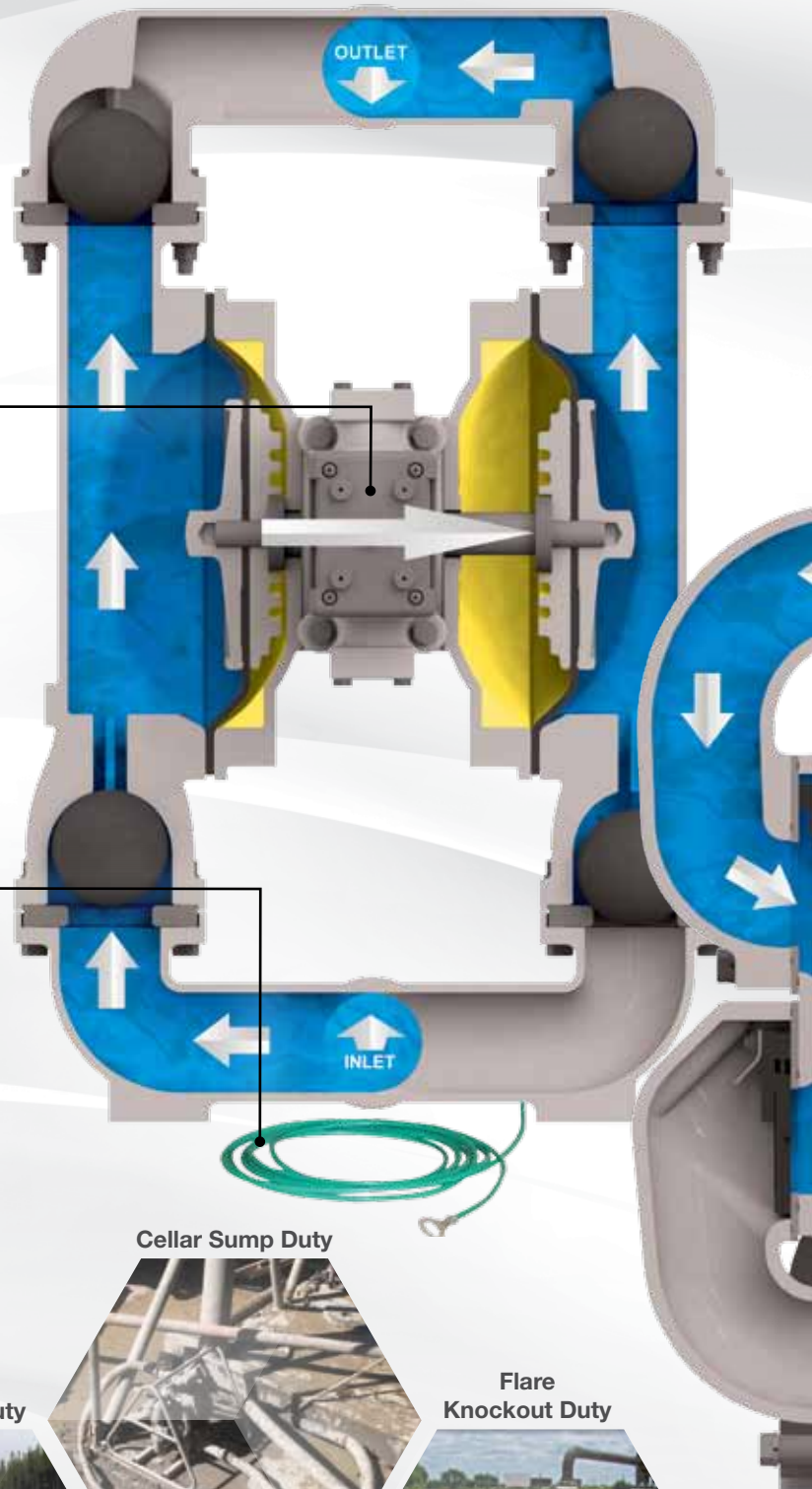
Fully Groundable

Safety is ensured in potentially explosive environments by eliminating static electricity build up. Pumps are ATEX certified.



Versatile Applications

- Compressor Station
- Pre-Lube & Liquid Transfer
- Potentially Explosive Environments
- Hot Glycol Transfer
- Offshore Oil Platforms
- Service Rigs
- Bulk Transfer
- And Much More!



ADVANTAGE

DRILLER'S MUD PUMP BUILT FOR YOUR APPLICATION

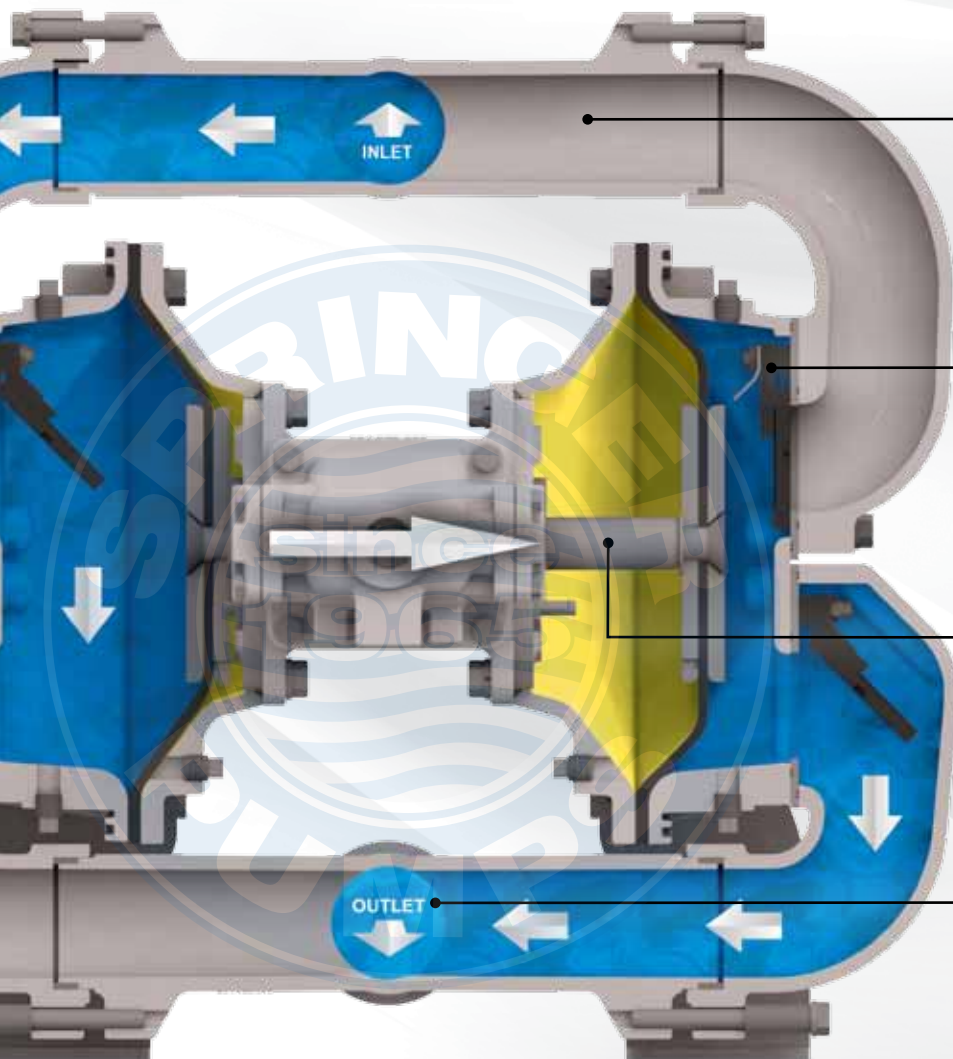


ESADS+Plus Air/Gas Distribution System

Independent of the pilot valve position, the cross-drilled pressure ports in the main directional air/gas valve spool provide a pneumatic bias of the spool at either end of travel. This is accomplished by directing (inner) chamber pressure to the end of the spool, boosting and sustaining pilot pressure until point-of-shift of the pilot valve.

Externally Serviceable Air/Gas Distribution System Includes:

-  Complete in-line serviceability.
-  Lube free, consistent restarts.
-  On-Off-On reliability guaranteed.
-  PATENTED cross-drilled pressure ports.



Superior Performance

Flap valve Driller's Mud pumps offer higher flow capacity and max pressure when compared to the competition.



Flap Check Valve

Hinge pads exert positive pressure on the flaps allowing the pump to operate in virtually any position. They help deliver superior suction lift and flow rates.



Guaranteed Reliability

Durable, corrosion resistant 416 (Martensitic) and / or 316 (Austenitic) Stainless Steel diaphragm connecting rod. All pumps also come with a 5-year warranty.



Bottom Discharge

The bottom discharge, top suction design is optimum for handling settling solids and slurry.



NATURAL GAS OPERATED PUMPS

PERFORMANCE & SPECIFICATIONS

1/2"
12mm

G05 Metallic Performance



MAX FLOW

• 15 GPM (56 LPM)

PORTING

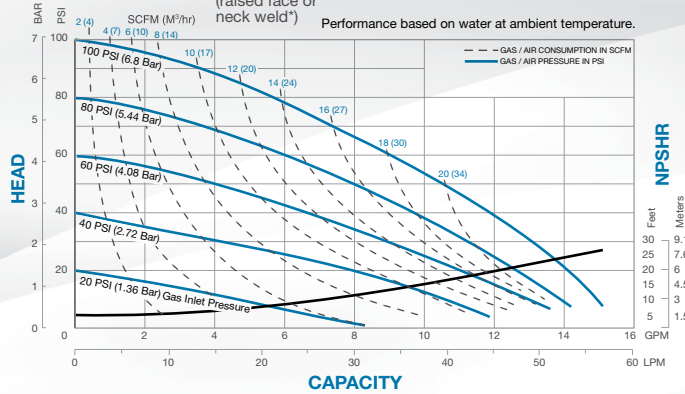
- NPT / BSP (tapered)
- ANSI Flange (raised face or neck weld*)

GAS / AIR END

- Aluminum
- Nitrile or FKM Elastomers

WET END

- Aluminum
- Stainless Steel



1"
25mm

G1F Metallic Performance



MAX FLOW

• 45 GPM (170 LPM)

PORTING

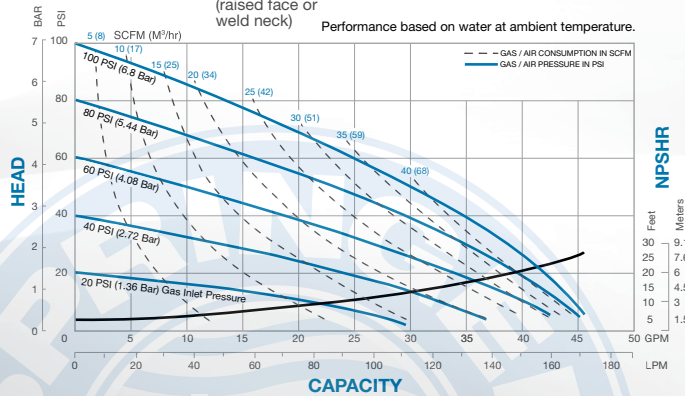
- NPT / BSP (tapered)
- ANSI Flange (raised face or weld neck)

GAS / AIR END

- Aluminum
- Nitrile or FKM Elastomers

WET END

- Aluminum
- Stainless Steel



1 1/2"
38mm

G15 Metallic Performance



MAX FLOW

• 106 GPM (401 LPM)

PORTING

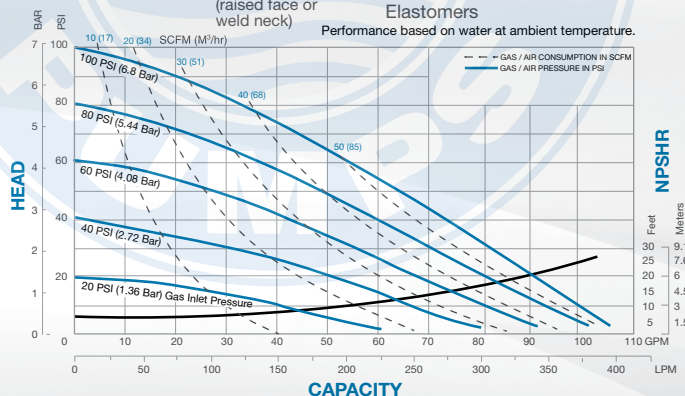
- NPT / BSP (tapered)
- ANSI Flange (raised face or weld neck)

GAS / AIR END

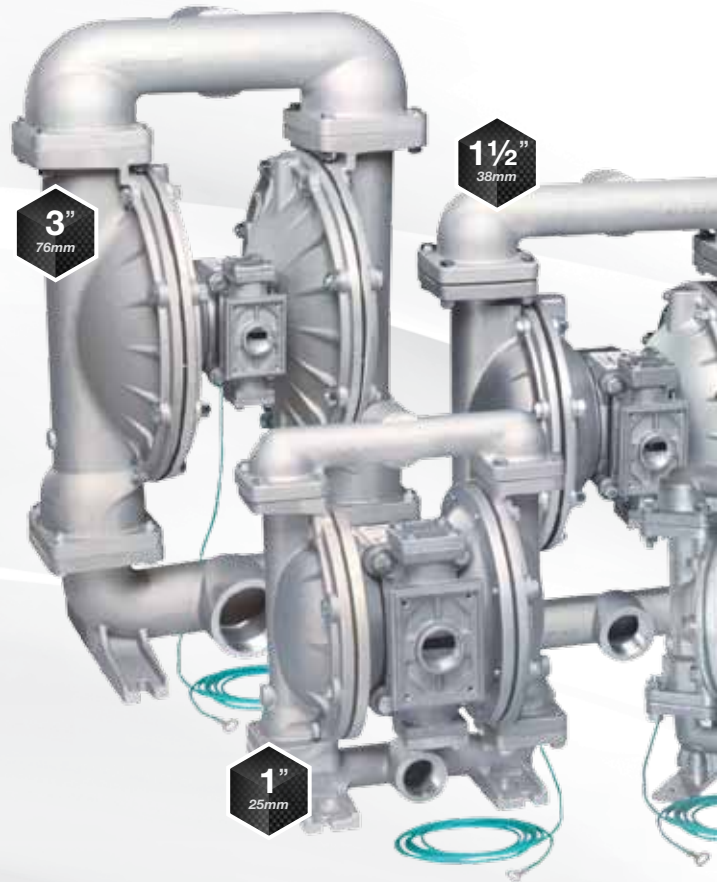
- Aluminum
- Stainless Steel
- Nitrile or FKM Elastomers

WET END

- Aluminum
- Stainless Steel



Natural Gas Operated Pumps are CSA* (Canadian Standards Association) certified to ANSI LC6 Standard and Canadian Technical Letter No. R-14 for operation using sweet or sour natural gas. These stringent tests meet the actual minimum and maximum temperatures that pumps are subjected to in typical gas and oil field applications. The pumps are also compliant with NACE Standard MR0175/ISO15156. The gas pump utilizes Aluminum or 316 Stainless Steel wetted construction with Nitrile or Virgin PTFE diaphragms and check balls. The gas center section and valve is constructed of Aluminum with Nitrile or FKM (fluorocarbon) elastomers. Pumps are fully groundable, preventing static discharge. A Stainless Steel gas center section and valve option is available on G15, G20 and G30 pumps for more corrosive applications.



*CSA is the Canadian Standards Association, an international organization for testing products to ensure public safety, and the governing agency for the Natural Gas Industry.



SCAN TO LEARN MORE
SANDPIPERPUMP.COM/GASPUMPS



Remote Site Reliability

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



Temperature Limits

-10°F (-23°C) to 180°F (82°C).



Hydrostatic Strength Test

500 PSI (34.5 BAR).



Safety Compliance



G20 Metallic Performance



MAX FLOW

• 150 GPM (567 LPM)

PORTING

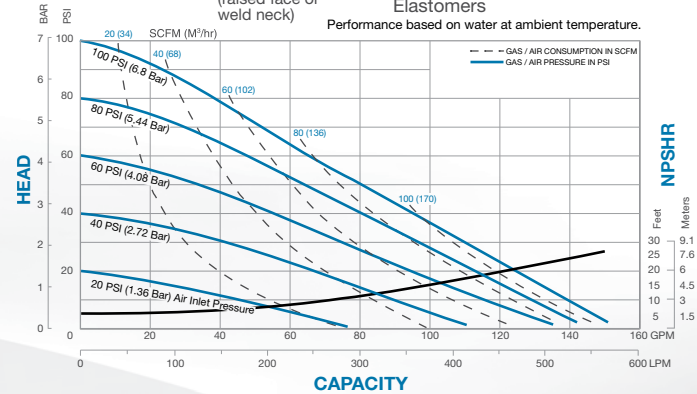
• NPT / BSP (tapered)
• ANSI Flange (raised face or weld neck)

GAS / AIR END

• Aluminum
• Stainless Steel
• Nitrile or FKM Elastomers

WET END

• Aluminum
• Stainless Steel



G30 Metallic Performance



MAX FLOW

• 235 GPM (889 LPM)

PORTING

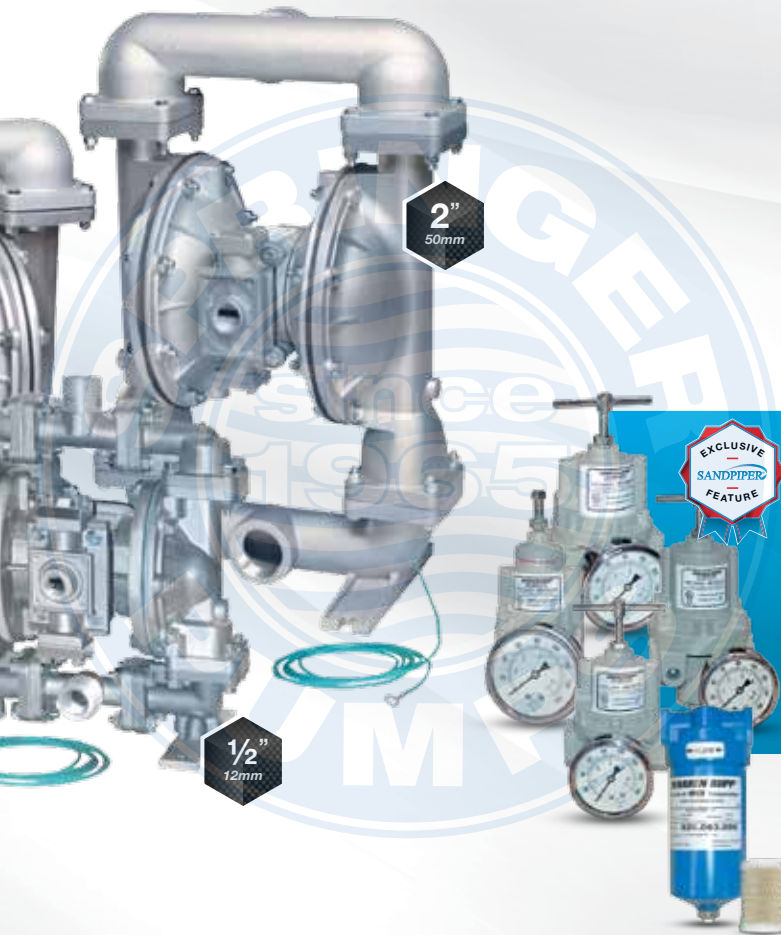
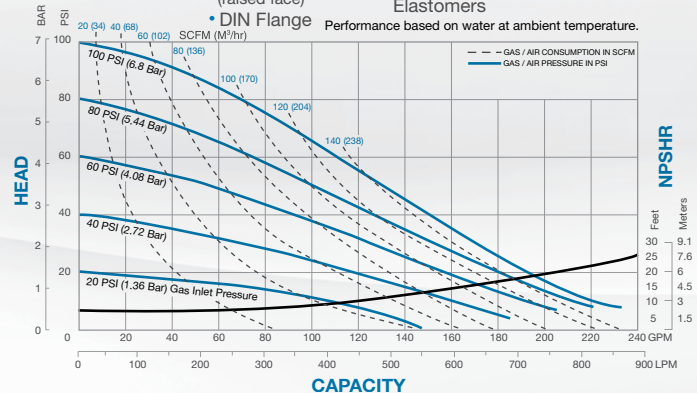
• NPT / BSP (tapered)
• ANSI Flange (raised face)
• DIN Flange

GAS / AIR END

• Aluminum
• Stainless Steel
• Nitrile or FKM Elastomers

WET END

• Aluminum
• Stainless Steel



CSA Certified Natural Gas Regulators

SANDPIPER Natural Gas Regulators are reliable and environmentally friendly accessories for your CSA Certified process. The regulators help to prevent against escaping gas in the case of a diaphragm rupture, by adding a simple pipe or hose fitting to the unit. All regulators come standard with a gauge, and replacement gauges (020.061.000) are also available.

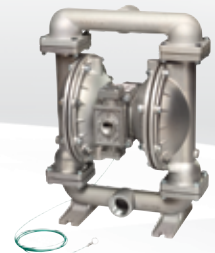
The Interceptor 3P U Filters are a great addition to any process concerned with particle material that may contaminate the material being pumped.

PUMP SELECTION

DUAL POWER G SERIES PUMPS MAY BE SAFELY POWERED BY NATURAL GAS OR

Dual power G Series Pumps offer reduced inventory, lean purchasing process, along with ease of maintenance and training. These dual power pneumatic pumps are safer, easily portable and more reliable, while fitting the widest range of applications.

DUAL POWER
Natural Gas or Air Operated Pumps
CSA Certified



PUMP MODELS		G05	G1F	G15
Specifications	Suction / Discharge Port Sizes	½" (12mm) NPT	1" (25mm) NPT	1 ½" (38mm) NPT
	Max Flow Rate Per Minute	15 GPM (56.78 LPM)	45 GPM (170.34 LPM)	106 GPM (401.25 LPM)
	Max Inlet / Discharge Heads	100 PSI (7 BAR) or 231' (70m) of water	100 PSI (7 BAR) or 231' (70m) of water	100 PSI (7 BAR) or 231' (70m) of water
	Max Displacement Per Stroke	.026 Gal. (.098 L)	.11 Gal. (.42 L)	.41 Gal. (1.55 L)
	Max Solids Handling	.25" (6mm)	.25" (6mm)	.25" (6mm)
Typical Oil & Gas Field Applications	Flare Knockout	C	B	A
	Glycol & Lube Oil Transfer	A	A	B
	Bulk Transfer (Chemicals, Proppants, Condensate & Water Holding Tanks)	C	B	A
	Sumping (Amine Sweetening / Refrigeration & Condensate Stabilization Units)	X	C	C
	Wellbore / Compressor Heat Trace Circulation	C	B	B
	Tank Bottom Circulation	A	A	B
	Surface Casing Grout (Dosing & Filter Press)	X	X	C
	Cellar Pump Out	X	C	B
	Filtration	B	B	B
	Drilling Mud Make-Up (Benonite Clay & Sea Water)	X	X	C
	Flowline Injection (Produced Water)	C	B	A
	Settling Pond Transfer	X	C	C
	Diesel Fuel Transfer	B	B	A
	Spill Clean-Up	C	B	B
	Salt Water Transfer / Disposal	X	A	B
	Chemical Injection / Transfer	C	B	B
	Utility & Service Trucks	A	A	B
Engine Pre-Lube (Oil Circulation)	A	A	C	

A = Frequently Used **B** = Often Used

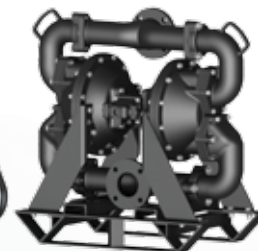
COMPRESSED AIR



Designed to Meet
CSA Standards



Air Operated



	G20	G30	GH2	DMF2*	DMF3*
	2" (51mm) NPT	3" (75mm) NPT	2" (51mm) NPT	2" (51mm) NPT	3" (76mm) ANSI Flange
	150 GPM (56.78 LPM)	235 GPM (889 LPM)	62 GPM (35 LPM)	140 GPM (530 LPM)	260 GPM (988 LPM)
	100 PSI (7 BAR) or 231' (70m) of water	100 PSI (7 BAR) or 231' (70m) of water	125 PSI (8.8 BAR) Inlet or 289' (88m) of water / 250 PSI (17 BAR) or 577' (176m) of water	125 PSI (8.8 BAR) or 289' (88m) of water	125 PSI (8.8 BAR) or 289' (88m) of water
	.42 Gal. (1.59 L)	.09 Gal. (3.56 L)	.30 Gal. (1.13 L)	.43 Gal. (1.6 L)	1.8 Gal. (6.8 L)
	.25" (6mm)	.38" (10mm)	.25" (6mm)	.2" (50mm)	3" (76mm)
	A	C	X	X	X
	B	C	B	X	X
	A	A	X	C	C
	B	B	X	A	A
	B	B	A	X	X
	B	B	X	A	X
	B	A	X	B	A
	B	B	X	A	A
	B	B	A	X	X
	C	X	X	A	A
	A	C	X	X	X
	B	B	X	A	A
	A	C	X	X	X
	B	B	X	X	X
	B	C	X	X	X
	B	B	X	X	X
	B	X	X	X	X
	C	X	X	X	X

C = Sometimes Used X = Never Used

*See full line catalog page 46 for technical information, including curves.

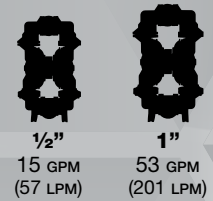
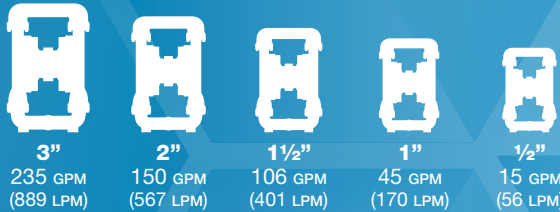
SANDPIPER® SERIES

VS

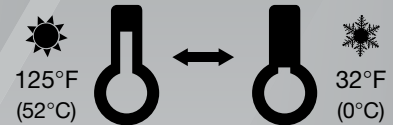
COMPETITOR

SANDPIPER PUMPS EXCEL IN EVERY ASPECT OF SAFETY AND RELIABILITY WITHIN THE OIL & GAS INDUSTRY

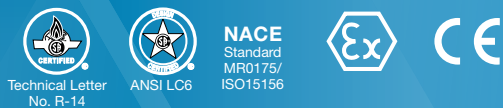
SIZE & FLOW



TEMP



Safety compliance with:



SAFETY

Safety compliance with:



PSI (BAR)



GAS VALVE



1 1/2" - 3" can operate with up to 40 µm (micron) natural gas
1/2" - 1" capable of 20 µm (micron) gas



Can operate with up to 5 µm (micron) natural gas

GAS VALVE REPAIR



5 MINUTES of on-site main or pilot valve repair with one wrench and removal of only 4 bolts.

55 MINUTES of off-site main and pilot valve repair with a variety of tools needed to remove pump from line and transport for repair.



SANDPIPER®

Contact Your Local Distributor to Place Your Order:



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