

# OIL & GAS

## INDUSTRY / APPLICATIONS



**Safe**



**Reliable**

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



**G SERIES**  
Pumps



**DRILLER'S MUD SERIES**  
Pumps



**CSA**  
Accessories



[sales@springerpumps.com](mailto:sales@springerpumps.com)  
[www.springerpumps.com](http://www.springerpumps.com)

Toll Free: 866-777-6060  
Int'l: 484-949-2900

# SANDPIPER®

A WARREN RUPP, INC. BRAND | [SANDPIPERPUMP.COM](http://SANDPIPERPUMP.COM)

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



# THE SANDPIPER ADVANTAGE

GET THE MOST OUT OF YOUR PROCESS WITH A SANDPIPER G SERIES OR DRILLER'S MUD PUMP BUILT FOR YOUR APPLICATION

SCAN TO WATCH THE ESADS+PLUS VIDEO  
SANDPIPERPUMP.COM/VIDEOS



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](http://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!

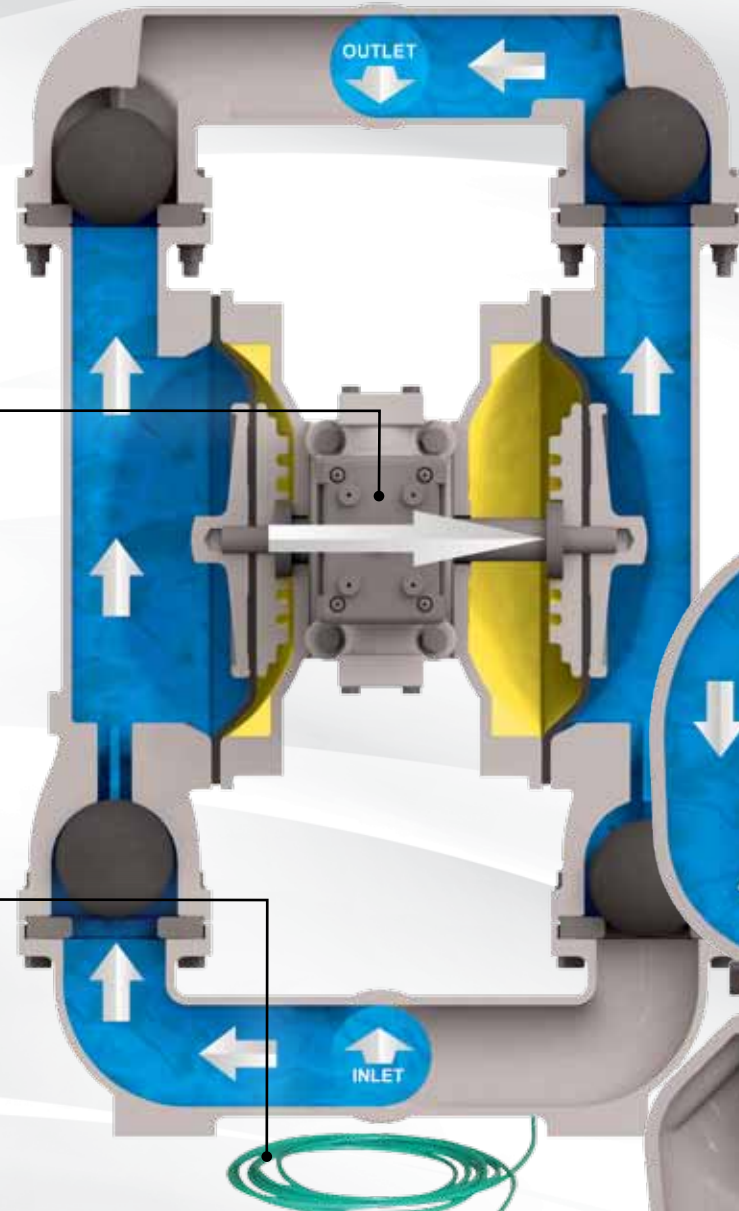
Hot Glycol Duty



Cellar Sump Duty



Flare Knockout Duty



## 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
- On-Off-On reliability guaranteed
- Lube free, consistent restarts
- 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.



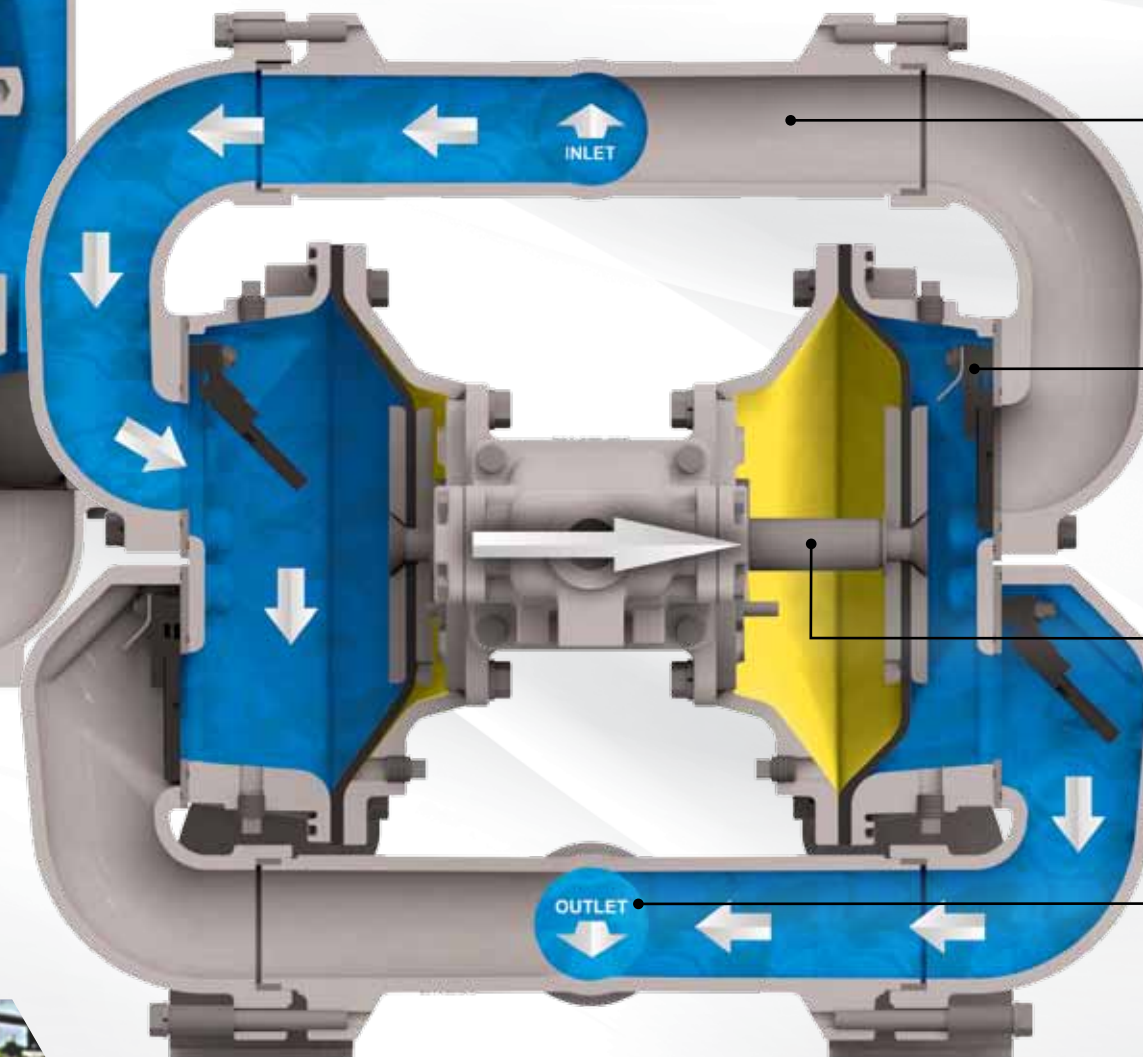
## Guaranteed Reliability

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.



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**SANDPIPER**



# NATURAL GAS OPERATED PUMPS

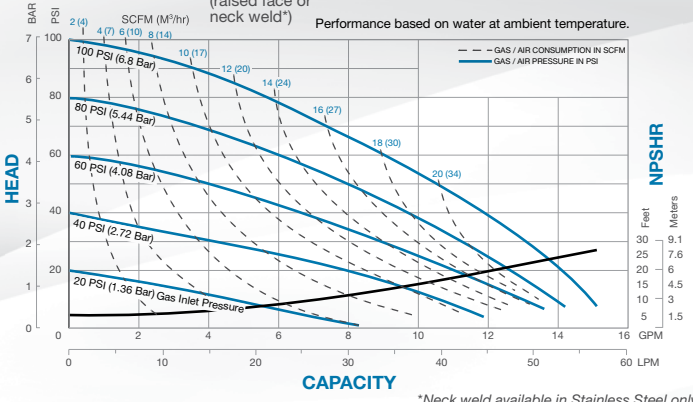
PERFORMANCE & SPECIFICATIONS



1/2" 12mm

## G05 Metallic Performance

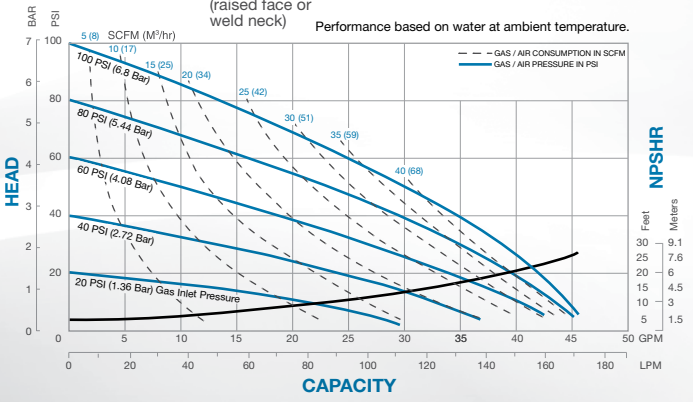
- MAX FLOW**  
15 GPM (56 LPM)
- PORTING**  
• NPT / BSP (tapered)  
• ANSI Flange (raised face or neck weld\*)
- GAS / AIR END**  
• Aluminum  
• Nitrile or FKM elastomers
- WET END**  
• Aluminum  
• Stainless Steel



1" 25mm

## G1F Metallic Performance

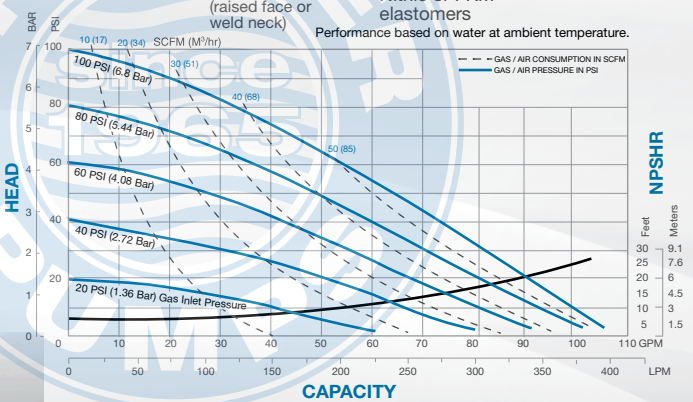
- MAX FLOW**  
45 GPM (170 LPM)
- PORTING**  
• NPT / BSP (tapered)  
• ANSI Flange (raised face or weld neck)
- GAS / AIR END**  
• Aluminum  
• Nitrile or FKM elastomers
- WET END**  
• Aluminum  
• Stainless Steel



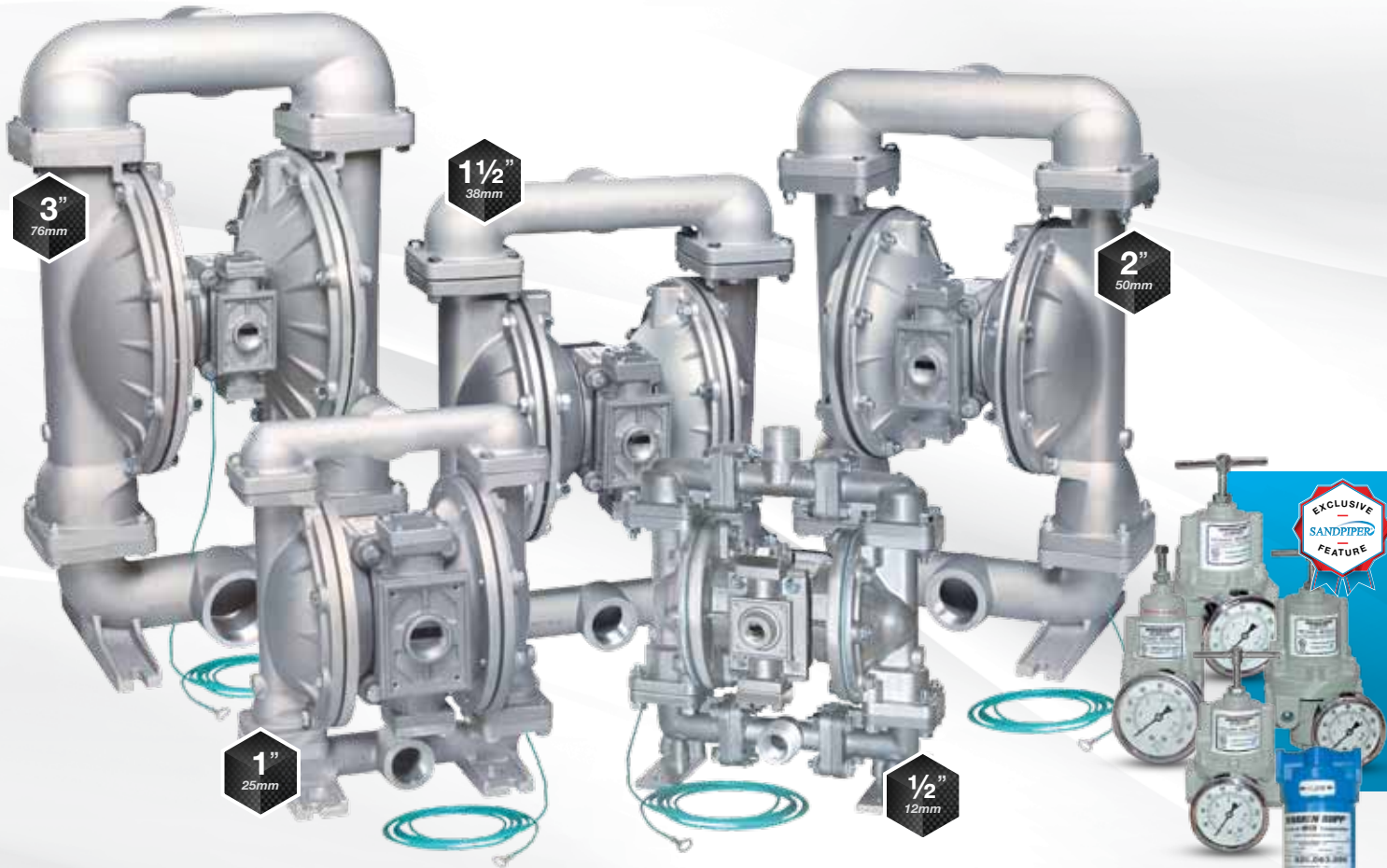
1 1/2" 38mm

## 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

**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)

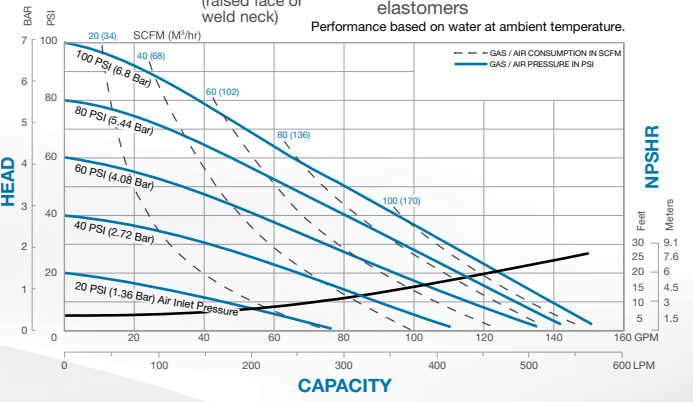
**Hydrostatic Strength Test**  
500 PSI (34.5 BAR)

**Safety Compliance**  
Technical Letter No. R-14  
ANSI LC6  
NACE Standard MR0175/ISO15156

2" 50mm

## G20 Metallic Performance

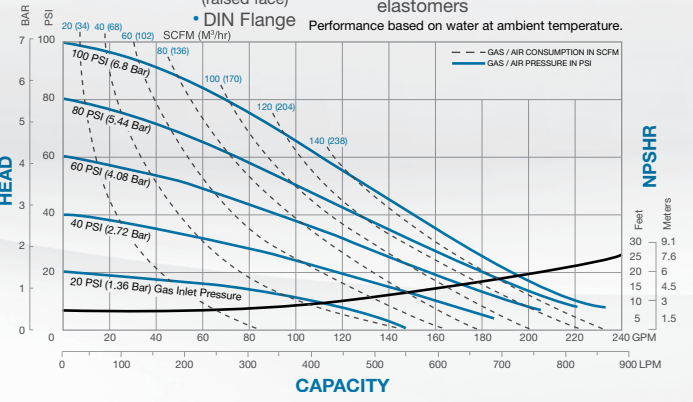
- MAX FLOW**  
150 GPM (567 LPM)
- PORTING**  
• NPT / BSP (tapered)  
• ANSI Flange (raised face or weld neck)
- GAS / AIR END**  
• Aluminum  
• Stainless Steel  
• Nitrile or FKM elastomers
- WET END**  
• Aluminum  
• Stainless Steel



3" 76mm

## 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 COMPRESSED AIR

SANDPIPER Dual Power G Series pumps may be safely powered by natural gas or compressed air. This dual power offers reduced inventory, lean purchasing process, and ease of maintenance, and training for a safer, portable, more reliable pneumatic pump to fit the widest range of applications.

DUAL POWER  
Natural Gas or Air Operated Pumps  
CSA Certified



Designed to Meet  
CSA Standards



Air Operated



PUMP MODELS		G05	G1F	G15		G20	G30	GH2	DMF2	DMF3
Specifications	Suction / Discharge Port Sizes	1/2" (12mm) NPT	1" (25mm) NPT	1 1/2" (38mm) NPT		2" (51mm) NPT	3" (75mm) NPT	2" (51mm) NPT	2" (51mm) NPT	3" (768mm) ANSI Flange
	Max Flow Rate Per Minute	15 GPM (56.78 LPM)	45 GPM (170.34 LPM)	106 GPM (401.25 LPM)		150 GPM (56.78 LPM)	235 GPM (889 LPM)	62 GPM (35 LPM)	140 GPM (530 LPM)	260 GPM (988 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		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
	Max Displacement Per Stroke	.026 Gal. (.098 L)	.11 Gal. (.42 L)	.41 Gal. (1.55 L)		.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)
	Max Solids Handling	.25" (6mm)	.25" (6mm)	.25" (6mm)		.25" (6mm)	.38" (10mm)	.25" (6mm)	.2" (50mm)	3" (76mm)
Typical Oil & Gas Field Applications	Flare Knockout	C	B	A		A	C	X	X	X
	Glycol & Lube oil transfer	A	A	B		B	C	B	X	X
	Bulk Transfer (Chemicals, Proppants, Condensate & Water Holding Tanks)	C	B	A		A	A	X	C	C
	Sumping (Amine Sweetening / Refrigeration & Condensate Stabilization Units)	X	C	C		B	B	X	A	A
	Wellbore / Compressor Heat Trace Circulation	C	B	B		B	B	A	X	X
	Tank Bottom Circulation	A	A	B		B	B	X	A	X
	Surface Casing Grout (Dosing & Filter Press)	X	X	C		B	A	X	B	A
	Cellar Pump Out	X	C	B		B	B	X	A	A
	Filtration	B	B	B		B	B	A	X	X
	Drilling Mud Make-Up (Benonite Clay & Sea Water)	X	X	C		C	X	X	A	A
	Flowline Injection (Produced Water)	C	B	A		A	C	X	X	X
	Settling Pond Transfer	X	C	C		B	B	X	A	A
	Diesel Fuel Transfer	B	B	A		A	C	X	X	X
	Spill Clean-Up	C	B	B		B	B	X	X	X
	Salt Water Transfer / Disposal	X	A	B		B	C	X	X	X
	Chemical Injection / Transfer	C	B	B		B	B	X	X	X
	Utility & Service Trucks	A	A	B		B	X	X	X	X
	Engine Pre-Lube (Oil Circulation)	A	A	C		C	X	X	X	X

A = Frequently Used    B = Often Used    C = Sometimes Used    X = Never Used

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

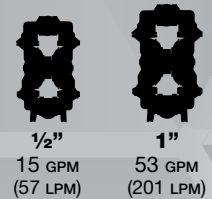
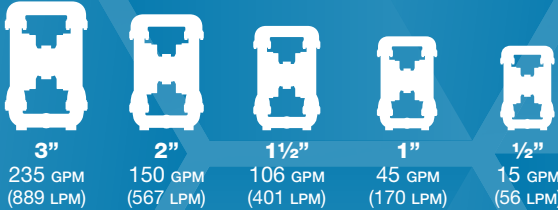


VS

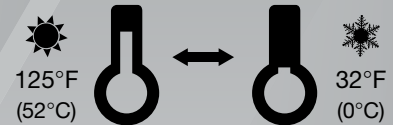
# COMPETITOR

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

## SIZE & FLOW



## TEMP



## SAFETY

Safety compliance with:



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®**

Warren Rupp, Inc.  
A Unit of IDEX Corporation  
800 North Main Street  
Mansfield, OH 44902 USA



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www.springerpumps.com

Toll Free: 866-777-6060  
Int'l: 484-949-2900

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