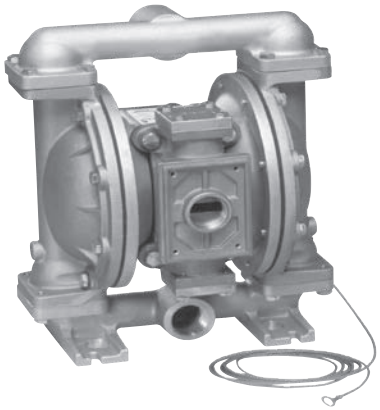
WARREN RUPP®

SANDPIPER®
A WARREN RUPP PUMP BRAND

Quality System ISO9001 Certified

Environmental Management System ISO14001 Certified



II 2GD T5

CE

CSA Certified to Requirement 2.01 U.S.

CSA Certified to Technical Letter No. R-14

U.S. Patent # 5,996,627; 6,241,487 Other U.S. Patents Applied for

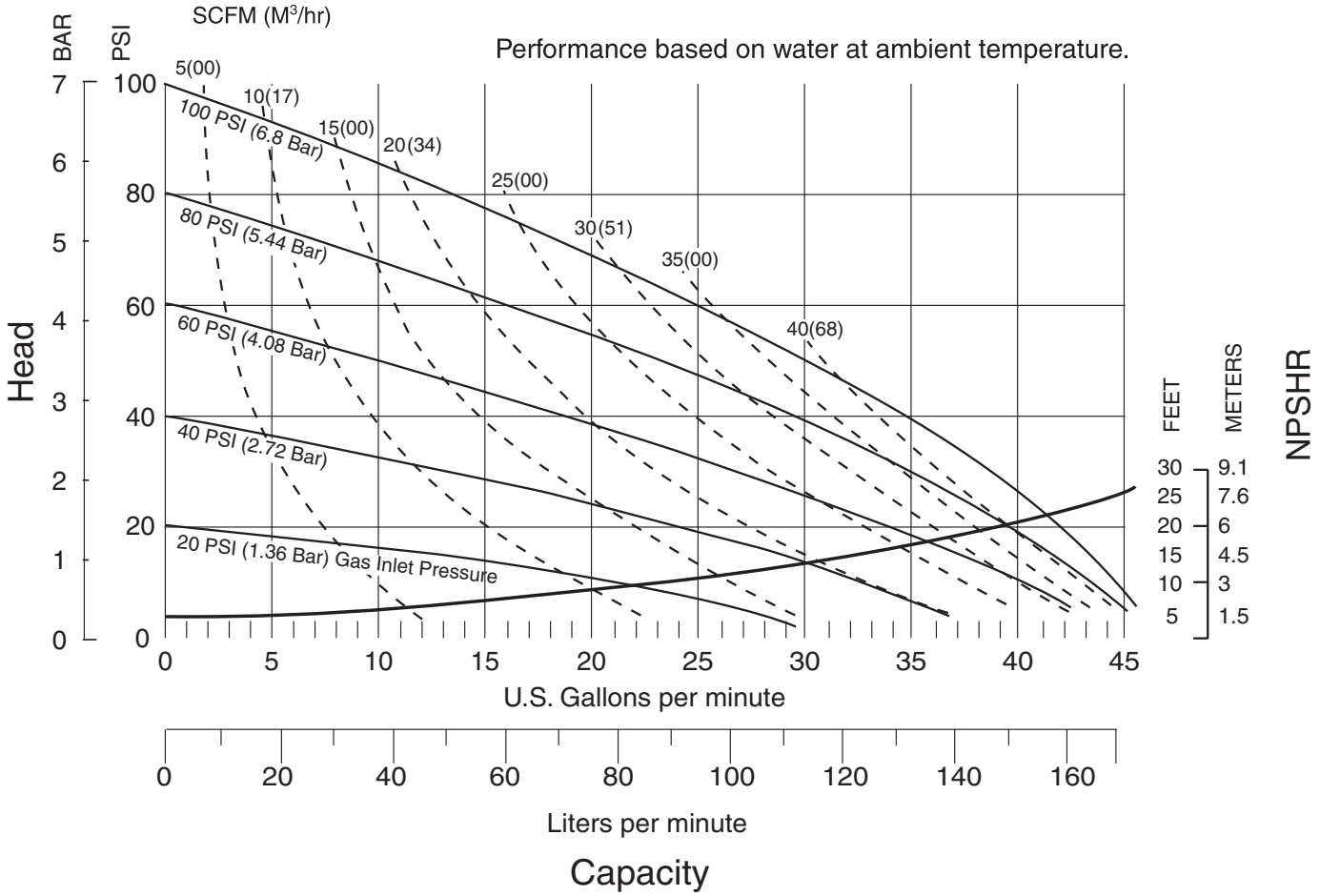
G1F Metallic Design Level 1 Ball Valve

Natural Gas Operated Double Diaphragm Pump

ENGINEERING, PERFORMANCE & CONSTRUCTION DATA

IDEX FLUID & METERING

INTAKE/DISCHARGE PIPE SIZE	CAPACITY	AIR VALVE	SOLIDS-HANDLING	HEADS UP TO	DISPLACEMENT/STROKE
1" NPT (internal) 1" BSP Tapered (internal)	0 to 45 gallons per minute (0 to 170 liters per minute)	No-lube, no-stall design	Up to .25 in. (6mm)	100 psi or 230.7 ft. of water (7 Kg/cm² or 70 meters)	.11 Gallon / .42 liter



These SANDPIPER® models are designed to be powered only by natural gas.

Explanation of Pump Nomenclature

G1F Metallic · Design Level 1· Ball Valve

MODEL	Pump Brand	Pump Size	Check Valve Type	Design Level	Wetted Material	Diaphragm/ Check Valve Materials	Check Valve Seat	Non-Wetted Material Options	Porting Options	Pump Style	Pump Options	Shipping Kit Options	Weight lbs. (kg)
G1FB1ABTXNSX00.	G	1F	B	1	A	B	T	X	N	S	X	00.	28 (13)
G1FB1A5TXNSX00.	G	1F	B	1	A	5	T	X	N	S	X	00.	28 (13)
G1FB1ATTXNSX00.	G	1F	B	1	A	T	T	X	N	S	X	00.	28 (13)
G1FB1SBTXNSX00.	G	1F	B	1	S	B	T	X	N	S	X	00.	43 (20)
G1FB1S5TXNSX00.	G	1F	B	1	S	5	T	X	N	S	X	00.	43 (20)
G1FB1STTXNSX00.	G	1F	B	1	S	T	T	X	N	S	X	00.	43 (20)
G1FB1ABTXBSX00.	G	1F	B	1	A	B	T	X	B	S	X	00.	28 (13)
G1FB1ATTXBSX00.	G	1F	B	1	A	T	T	X	B	S	X	00.	28 (13)
G1FB1SBTXBSX00.	G	1F	B	1	S	B	T	X	B	S	X	00.	43 (20)
G1FB1STTXBSX00.	G	1F	B	1	S	T	T	X	B	S	X	00.	43 (20)

Pump Brand
G=Natural Gas Operated

Pump Size
1F=1”

Check Valve Type
B=Ball

Design Level
1=Design Level

Wetted Material
S=Stainless Steel
A=Aluminum

Diaphragm/Check Ball Materials
B=Nitrile/Nitrile
T=PTFE Overlay, Nitrile Diaghpram/PTFE Balls
5=Nitrile/PTFE

Check Valve Seat
T=Virgin PTFE
A=Aluminum
S=Stainless Steel

Non-Wetted Material
X=Unpainted Aluminum
S= Stainless Steel
O=Unpainted Aluminum/ FKM Elastomers
8= Stainless Steel / FKM Elastomers

Porting Options
N= NPT Threads
B= BSP (Tapered) Threads

Pump Style
S= Standard

Pump Options
X= No Muffler Permitted*

* The exhausted natural gas must be vented to a low pressure safe location in accordance with local fire safety and environmental codes, an industry or nationally recognized code having jurisdiction over the specific installations, and/or CAN/CGA B149, Installation Codes.

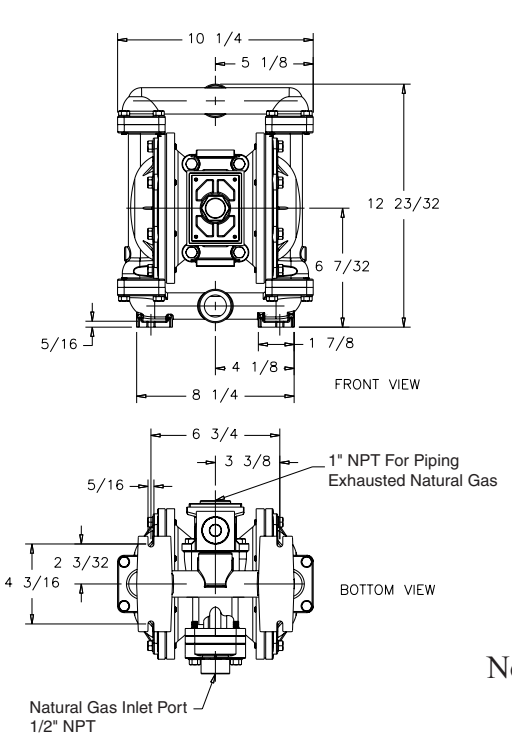
These pump models are designed to pump the following fluids: Crude Oil, Salt Water, Drilling Mud, Condensate, Lubrication Oils, Glycol, Caustic liquids, and Acids.

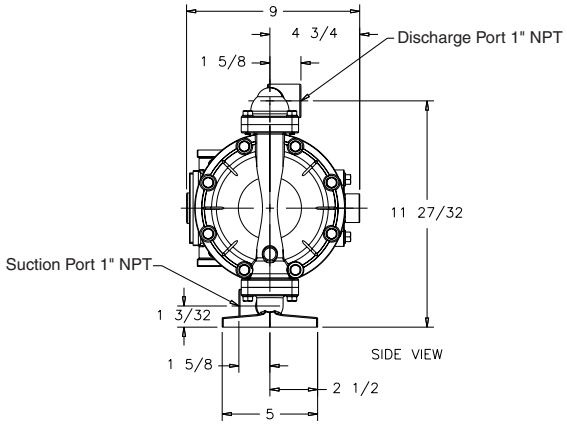
CAUTION! ***Operating temperature limitations are as follows:*** The minimum pump operating temperature is 10◦F. The maximum pump operating temperature is 180◦ F.

Materials	Operating Temperatures Maximum	Minimum
Nitrile: General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resistance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	190°F 88°C	-10°F -23°C
Virgin PTFE: Chemically inert, virtually impervious. Very few chemicals are known to react chemically with PTFE: molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures.	220°F 104°C	-35°F -37°C
F K M (Fluorocarbon): Excellent restance to sour natural gas, high temperature , acids, hydrogen sulfide and oil.	400°F 204°C	-15°F -26°C
For specific applications, always consult “Chemical Resistance Chart” Technical Bulletin		

Dimensions: G1F Metallic

Dimensions in Inches
Dimensional Tolerance:±1/8”

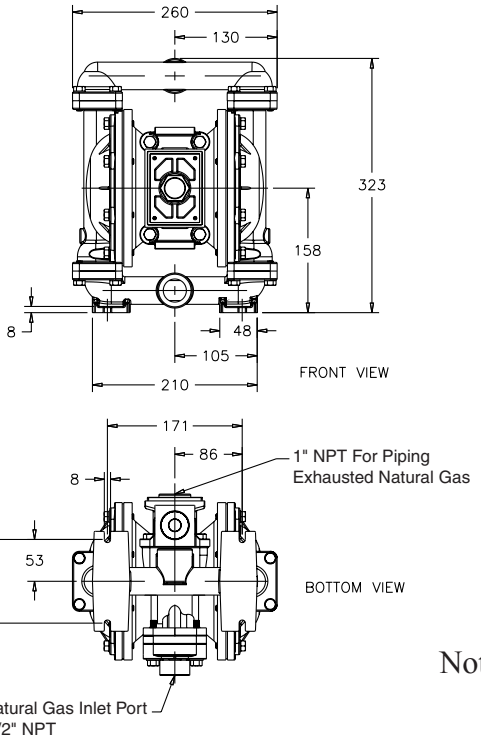


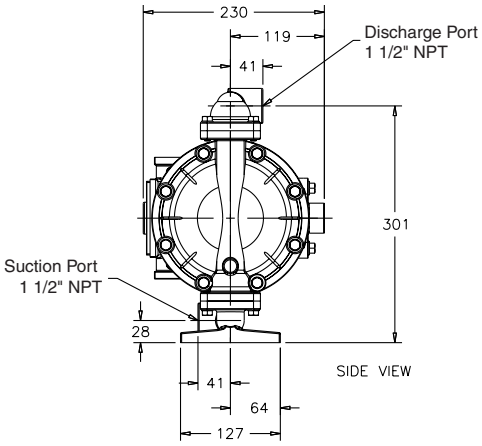


Both Suction and Discharge Ports Are With Available With 1" BSPT Tapered Threads.

Note: The pump is to be mounted in the horizontal position.

Dimensions in Millimeters
Dimensional Tolerance:± 3mm





Both Suction and Discharge Ports are Available with 1 1/2" BSP Tapered Threads

Note: The pump is to be mounted in the horizontal position.