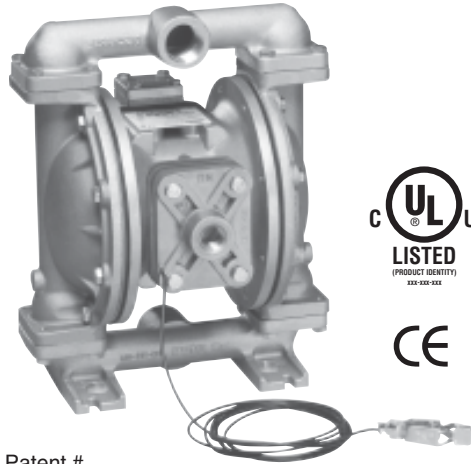


**WARREN
RUPP®**



SANDPIPER®
A WARREN RUPP PUMP BRAND

Quality System
ISO9001 Certified

Environmental
Management System
ISO14001 Certified



U1F Metallic Design Level 1 Ball Valve

**Air-Powered
Double-Diaphragm Pump**

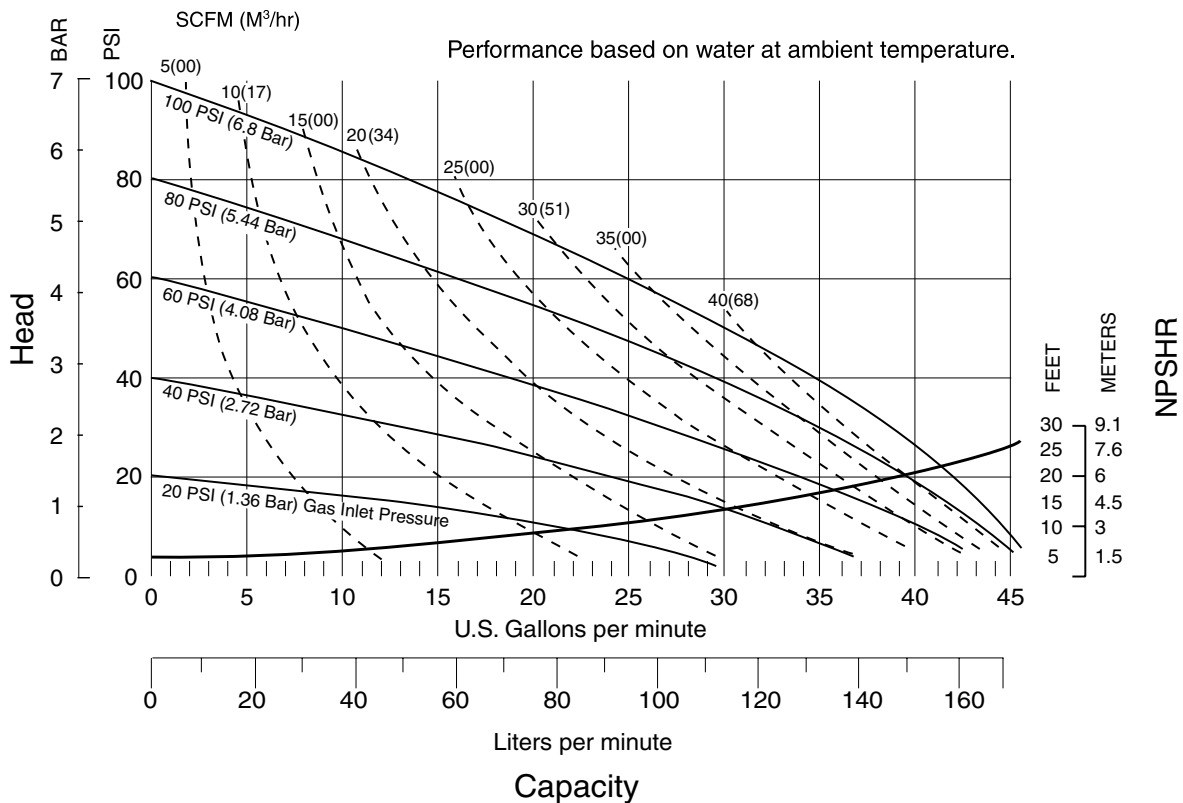
ENGINEERING, PERFORMANCE
& CONSTRUCTION DATA



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



INTAKE/DISCHARGE PIPE SIZE	CAPACITY	AIR VALVE	SOLIDS-HANDLING	HEADS UP TO	DISPLACEMENT/STROKE
1" NPT (internal) 1" BSPT 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/cm ² or 70 meters)	.11 Gallon / .42 liter



SANDPIPER® pumps are designed to be powered only by compressed air.

Explanation of Pump Nomenclature

U1F UL79 Listed 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)
U1FB1XBTXNS600.	U	1F	B	1	X	B	T	X	N	S	6	00.	53 (24)
U1FB1XGTXNS600.	U	1F	B	1	X	G	T	X	N	S	6	00.	53 (24)
U1FB1CBTCNS600.	U	1F	B	1	C	B	T	C	N	S	6	00.	53 (24)
U1FB1CGTCNS600.	U	1F	B	1	C	G	T	C	N	S	6	00.	53 (24)

Pump Brand

U=UL79 Listed SANDPIPER®

Pump Size

1F=1F

Check Valve Type

B=Ball

Design Level

1=Design Level

Wetted Material

X=Unpainted Aluminum

C=Conductive Painted Aluminum

Diaphragm Check Ball Materials

B=Buna/Buna

G=PTFE-Neoprene/PTFE

Check Valve Seat

T=PTFE

Non-Wetted Material

X=Unpainted Aluminum

C=Conductive Painted Aluminum

Porting Options


N=NPT Threads

B=BSPT (Tapered) Threads

Pump Style



S=Standard

Pump Options

6= Metal Muffler * 

Model U1FB1XBTXNS600 is UL79 listed for pumping: Gasoline, Diesel Fuel, No. 4 Fuel Oil (or lighter), Motor Oil, Kerosene, Aviation Fuel and Water.

Model U1FBXGTXNS600 is UL79 listed for pumping: Gasoline (including Alcohol Blends), Diesel Fuel, Motor Oil, No. 4 Oil (or lighter), Kerosene, Aviation Fuel, Automatic Transmission Fluid, Alcohol, Water, Waste Oil, Ethyl Alcohol, Methyl Alcohol and Ethylene Glycol.

*  Note: ATEX compliant pumps must be ordered with a metal muffler 



CAUTION! Operating temperature limitations are as follows:

Materials	Operating Temperatures		
	Maximum*	Minimum*	Optimum**
Buna 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	50° to 140°F 10°C to 60°C
Neoprene All purpose. Resistant to vegetable oil. Generally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters, nitro hydrocarbons and chlorinated aromatic hydrocarbons.	170°F 77°C	-10°F -23°C	50° to 130°F 10°C to 54°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.	212°F 100°C	+32°F 0°C	75°F to 212°F 24°C to 100°C
Polypropylene	150°F 65°C	-40°F -40°C	
Polyethylene	180°F 82°C	-40°F -40°C	50°F to 140°F 10°C to 60°C

For specific applications, always consult "Chemical Resistance Chart" Technical Bulletin

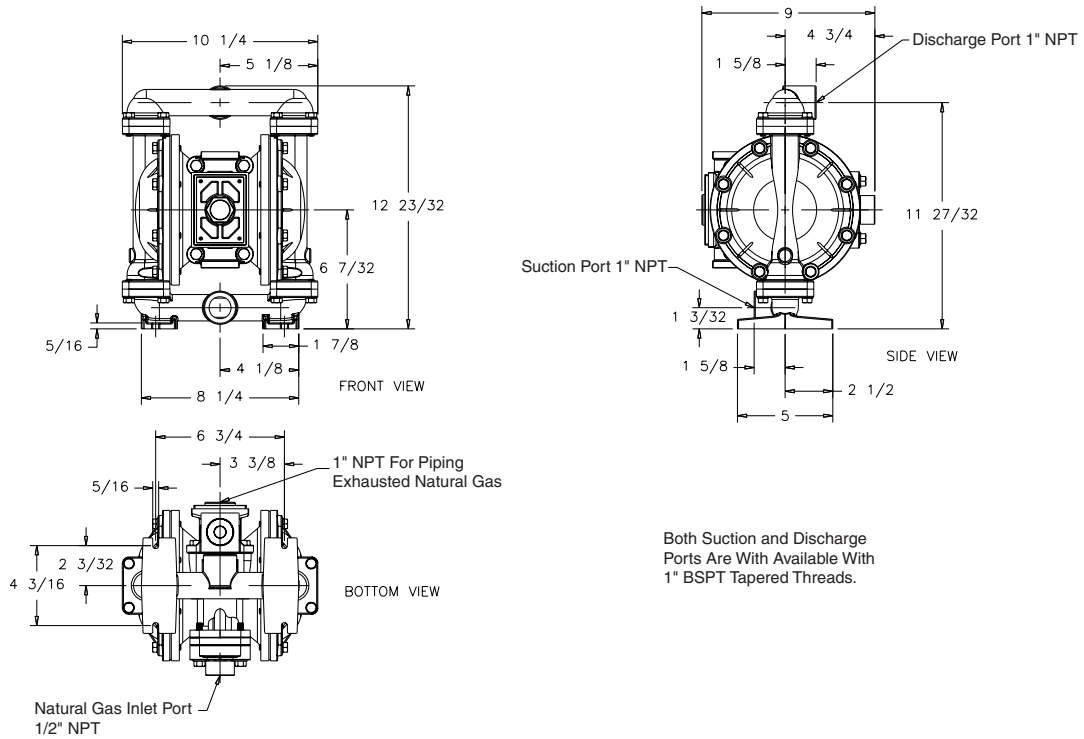
*Definite reduction in service life.

**Minimal reduction in service life at ends of range.

Dimensions: U1F UL79 Listed Metallic

Dimensions in Inches

Dimensional Tolerance: $\pm 1/8"$



Dimensions in Millimeters

Dimensional Tolerance: $\pm 3\text{mm}$

