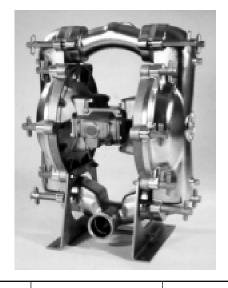


Quality System ISO9001 Certified

Environmental Management System ISO14001 Certified





# SandPIPER®

### FLAP VALVE SSA2-A TYPE 4

2½" Air-Powered Double-Diaphragm Sanitary Pump

ENGINEERING, PERFORMANCE & CONSTRUCTION DATA

INTAKE/DISCHARGE PIPE SIZ	ZE
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2 ½" (63.5mm) SANITARY PROCESS BEVEL SEAT FITTING

#### CAPACITY

0 to 150 gallons per minute (0 to 570 liters per minute)

#### AIR VALVE

No-lube, no-stall design.

#### SOLIDS-HANDLING

1 <sup>1</sup>/16" *(27.4mm)* 

#### **HEADS UP TO**

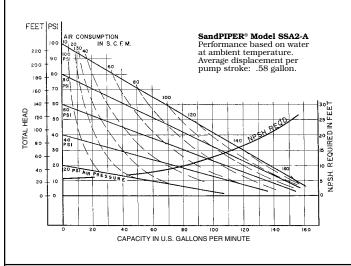
125 psi or 289 ft. of water (8.8 Kg/cm² or 88 meters)

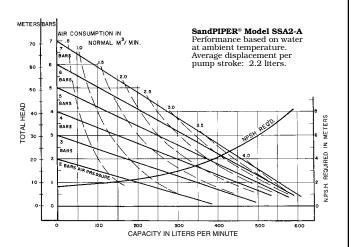
#### PERFORMANCE CURVES

(SandPIPER® pumps are designed to be powered only by compressed air)

Temperature Limit: 212°F - 100°C MAXIMUM

#### This pump is USDA-Accepted for meat and poultry.





#### MATERIALS OF CONSTRUCTION

SSA2-A	Manifold	Porting													
Type 4	Тор	Bottom	Manifold	Outer Chamber	Inner Chamber	Inner Diaphragm Plate	Intermediate Housing	Diaphragm Rod	Flap Valve Seat	Hardware	Diaphragm	Flap Valve Material	Air Valve	Sealing Rings	Shipping Weight (lbs)
TF-4-SS	х		WR-S	WR-S	AL356-T6	AL356-T6	AL356-T6◊	416SS	К	302/304SS	FDA-N	R	AL356-T6◊	FDA-N	158
TF-4-SP5	Х		WR-Sà	WR-Sà	AL356-T6	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	Rà	AL356-T6◊	FDA-N	158
DF-4-SS		Х	WR-S	WR-S	AL356-T6	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	R	AL356-T6◊	FDA-N	158
DF-4-SP5		Х	WR-Sà	WR-Sà	AL356-T6	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	Rà	AL356-T6◊	FDA-N	158
TY-4-SS	Х		WR-S	WR-S	AL356-T6	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-I	V	AL356-T6◊	FDA-I	158
DY-4-SS		Х	WR-S	WR-S	AL356-T6	AL356-T6	AL356-T6◊	416SS	К	302/304SS	FDA-I	V	AL356-T6◊	FDA-I	158

SEE BACK FOR TEMPERATURE LIMITATIONS.

Meanings of Abbreviations:

= Electropolished à = Electropolished to a #5 Finish

à = Electropolished to a #5 Finis◊ = Electroless Nickel Plated

AL = Aluminum SS = Stainless Steel FDA-N = Food Grade Nitrile K = PVDF R = Removable, Constructed of WR-S and Nitrile FDA-I = Food Grade EPDM V = Removable, constructed of 316SS & EPDM WR-S = Warren Rupp Alloy Type 316SS

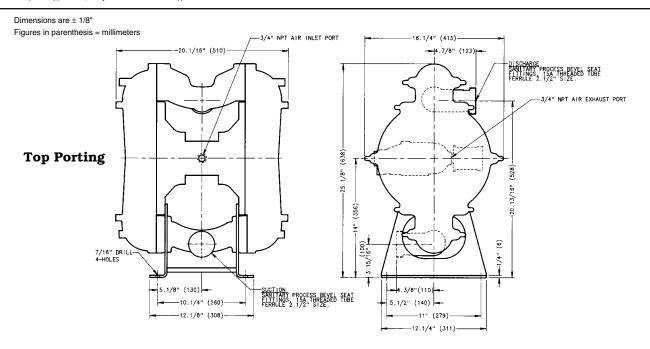
## SSA2-A FLAP VALVE SANITARY

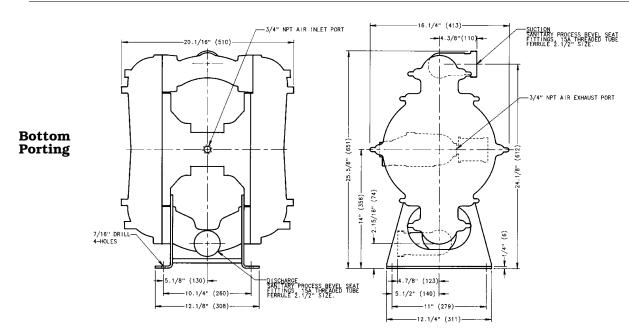
## **SandPIPER**®

MATERIALS	Operating Temperatures				
MATERIALS	Maximum	Minimum	Optimum		
<b>NITRILE</b> 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	-10°F	50°F to 140°F		
	<i>88°C</i>	<i>-23°C</i>	10°C to 60°C		
<b>EPDM</b> Shows very good water and chemical resistance. Has poor resistance to oil and solvents, but is fair in ketones and alcohols.	212°F	-10°F	50°F to 212°F		
	100°C	<i>-23°C</i>	10°C to 100°C		

WR-S Warren Rupp Alloy Type 316 Stainless Steel equal to or exceeding ASTM specification A743 CF-8M for corrosion resistant iron chromium, iron chromium nickel, and nickel based alloy castings for general applications. Commonly referred to as 316 Stainless Steel in the pump industry.

For specific applications, always consult the Warren Rupp Chemical Resistance Chart.





2½" MALE (63.5mm) SANITARY PROCESS BEVEL SEAT FITTING - SUCTION AND DISCHARGE ¾" NPT (F) AIR INLET PORT • ¾" NPT (F) AIR EXHAUST PORT (NOT SHOWN)

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Specifications are subject to improvement without notice.

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