

**WARREN
RUPP®**

Quality System
ISO9001 Certified

Environmental
Management System
ISO14001 Certified

IDEX
FLUID & METERING



SANDPIPER®

A WARREN RUPP PUMP BRAND

FLAP VALVE

SSA2-A TYPE 4

II 2GD c T5

**2½" Air-Powered
Double-Diaphragm
Sanitary Pump**

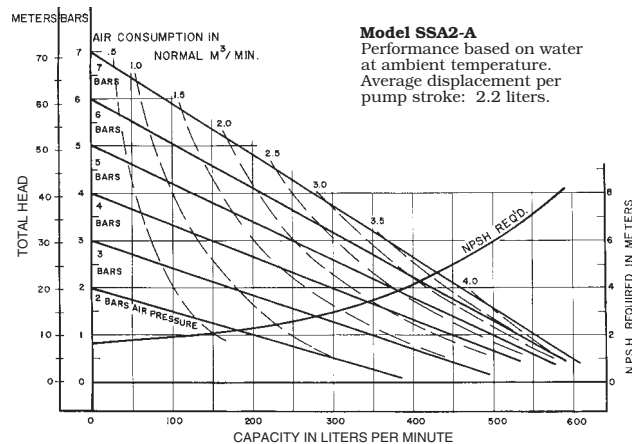
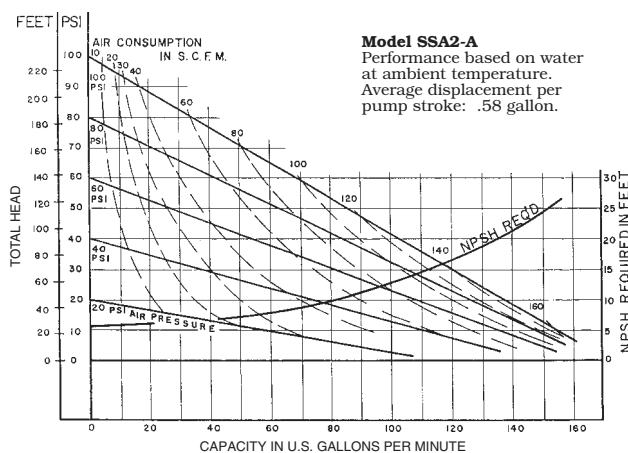
ENGINEERING, PERFORMANCE
& CONSTRUCTION DATA

INTAKE/DISCHARGE PIPE SIZE 2½" (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 1/16" (27.4mm)	HEADS UP TO 125 psi or 289 ft. of water (8.8 Kg/cm ² or 88 meters)
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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 Type 4	Manifold Porting		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)
	Top	Bottom													
TF-4-SS	X		CF8M†	CF8M†	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	R	AL356-T6◊	FDA-N	158
TF-4-SP5	X		CF8Mâ	CF8Mâ	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	Râ	AL356-T6◊	FDA-N	158
DF-4-SS		X	CF8M†	CF8M†	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	R	AL356-T6◊	FDA-N	158
DF-4-SP5		X	CF8Mâ	CF8Mâ	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	Râ	AL356-T6◊	FDA-N	158
TY-4-SS	X		CF8M†	CF8M†	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-I	V	AL356-T6◊	FDA-I	158
DY-4-SS		X	CF8M†	CF8M†	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-I	V	AL356-T6◊	FDA-I	158

SEE BACK FOR TEMPERATURE LIMITATIONS.

Meanings of Abbreviations:

† = Electropolished
â = Electropolished to a #5 Finish
◊ = Electroless Nickel Plated

AL = Aluminum
SS = Stainless Steel
FDA-N = FDA Accepted Nitrile

K = PVDF
R = Removable, Constructed of CF8M† and Nitrile

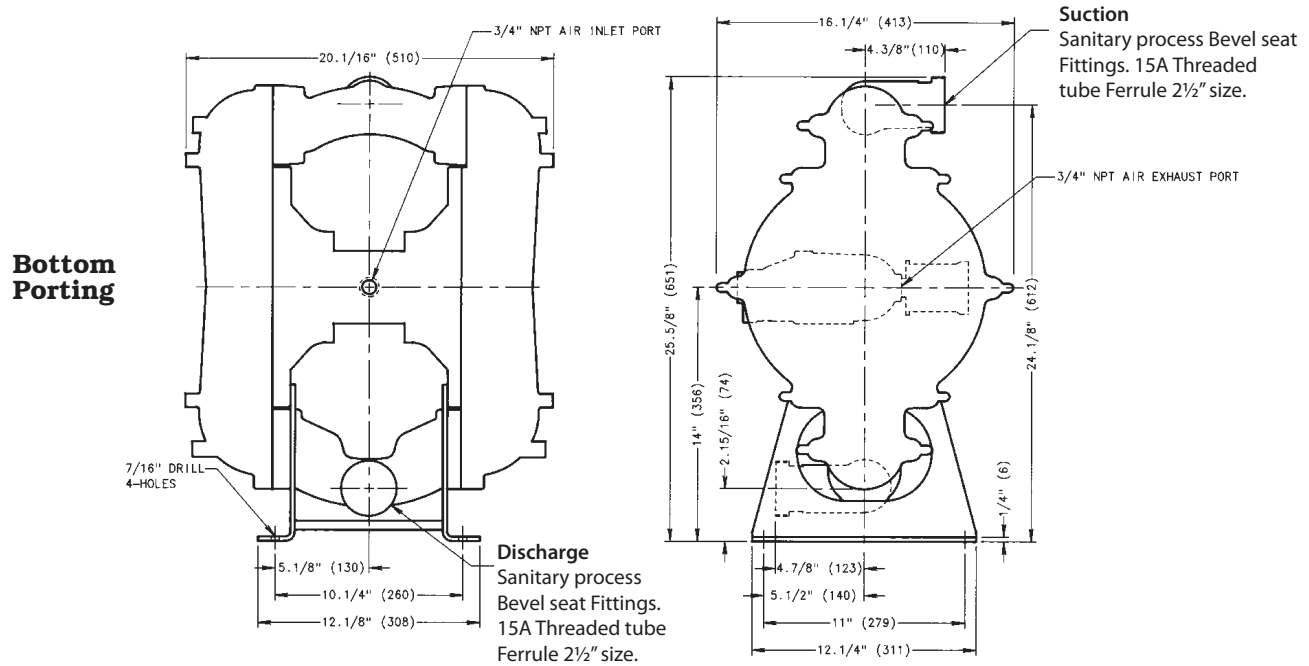
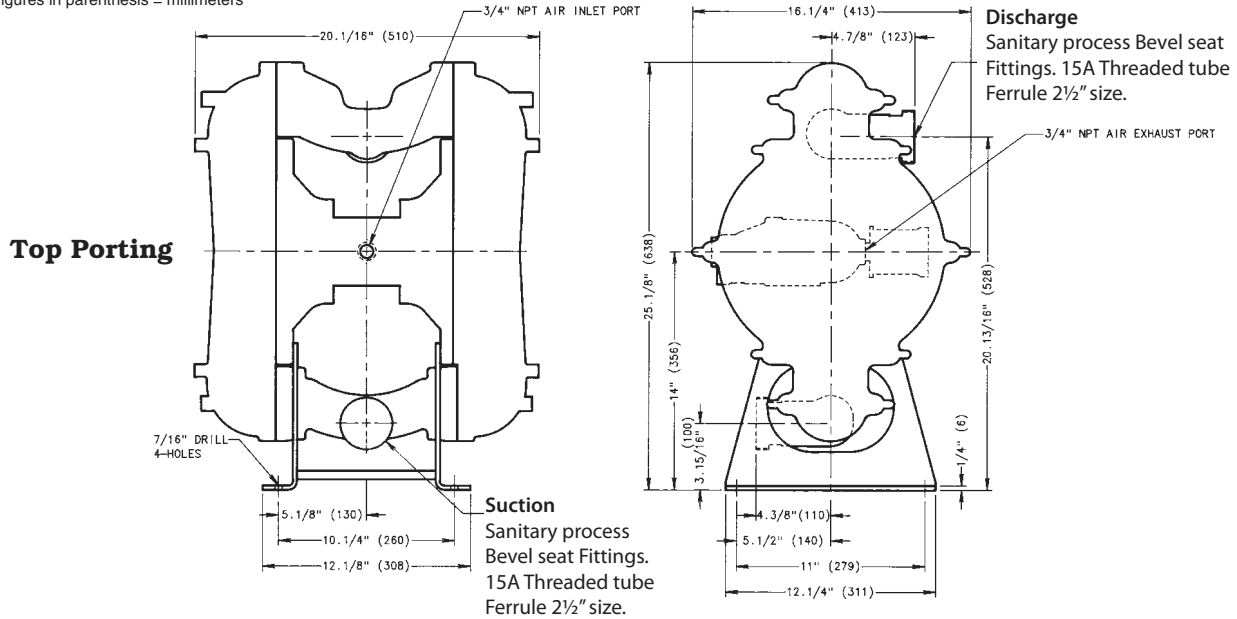
FDA-I = FDA Accepted EPDM
V = Removable, constructed of CF8M† & EPDM

SSA2-A FLAP VALVE SANITARY



MATERIALS	Operating Temperatures		
	Maximum	Minimum	Optimum
FDA Accepted 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	50°F to 140°F 10°C to 60°C
FDA Accepted EPDM Shows very good water and chemical resistance. Has poor resistance to oil and solvents, but is fair in ketones and alcohols.	212°F 100°C	-10°F -23°C	50°F to 212°F 10°C to 100°C
CF8M Stainless Steel equal to or exceeding ASTM specification A743 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.			

Dimensions are ± 1/8"
Figures in parenthesis = millimeters



2 1/2" MALE (63.5mm) SANITARY PROCESS BEVEL SEAT FITTING - SUCTION AND DISCHARGE
3/4" NPT (F) AIR INLET PORT • 3/4" NPT (F) AIR EXHAUST PORT (NOT SHOWN)

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Specifications are subject to improvement without notice.

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