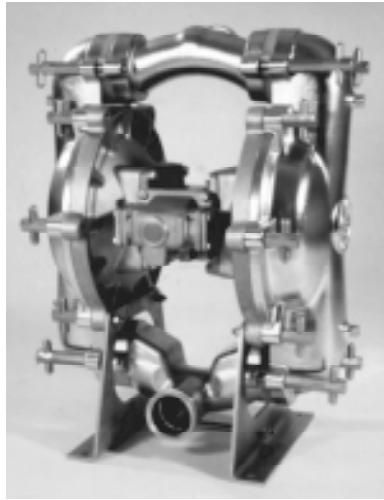


**WARREN RUPP®**

Quality System  
ISO9001 Certified

Environmental  
Management System  
ISO14001 Certified

**IMEX**  
FLUID & METERING



**SANDPIPER®**  
A WARREN RUPP PUMP BRAND

**FLAP VALVE  
SSA2-A TYPE 4**

II 2GD c T5

**2 1/2" Air-Powered  
Double-Diaphragm  
Sanitary Pump**

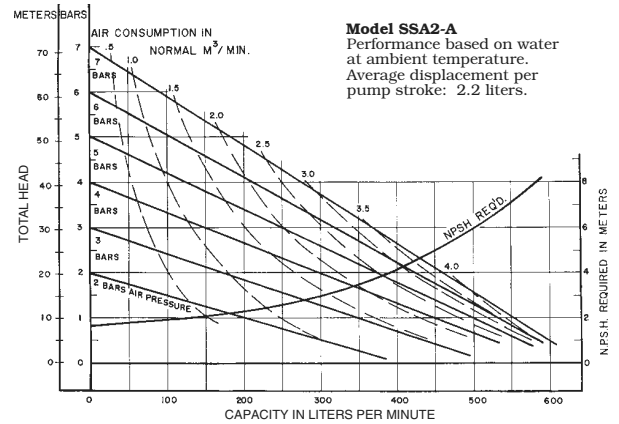
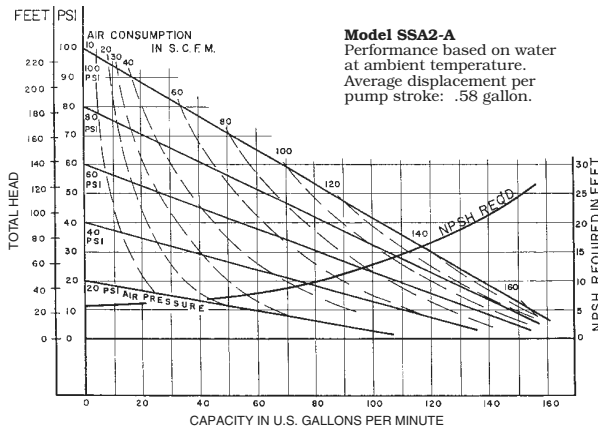
ENGINEERING, PERFORMANCE  
& CONSTRUCTION DATA

<b>INTAKE/DISCHARGE PIPE SIZE</b> 2 1/2" (63.5mm) SANITARY PROCESS BEVEL SEAT FITTING	<b>CAPACITY</b> 0 to 150 gallons per minute (0 to 570 liters per minute)	<b>AIR VALVE</b> No-lube, no-stall design.	<b>SOLIDS-HANDLING</b> 1 1/16" (27.4mm)	<b>HEADS UP TO</b> 125 psi or 289 ft. of water (8.8 Kg/cm <sup>2</sup> 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 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		CF8Ma	CF8Ma	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	Ra	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	CF8Ma	CF8Ma	AL356-T6◊	AL356-T6	AL356-T6◊	416SS	K	302/304SS	FDA-N	Ra	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

ssa2dl4ds-REV0508

Tel: 866-777-6060  
Fax: 866-777-6383

Springer Pumps, LLC  
Sandpiper Maintenance Videos: <https://goo.gl/Vn9Gdt>

<http://www.springerpumps.com>  
Int'l: +001 267 404 2910

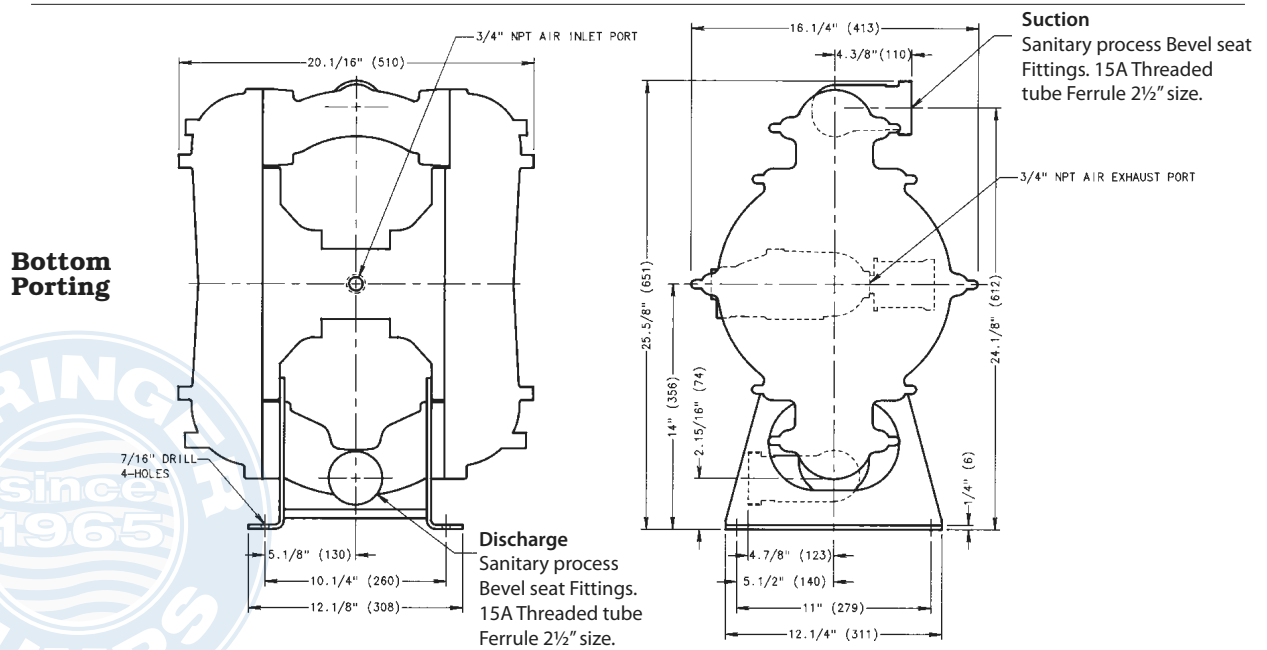
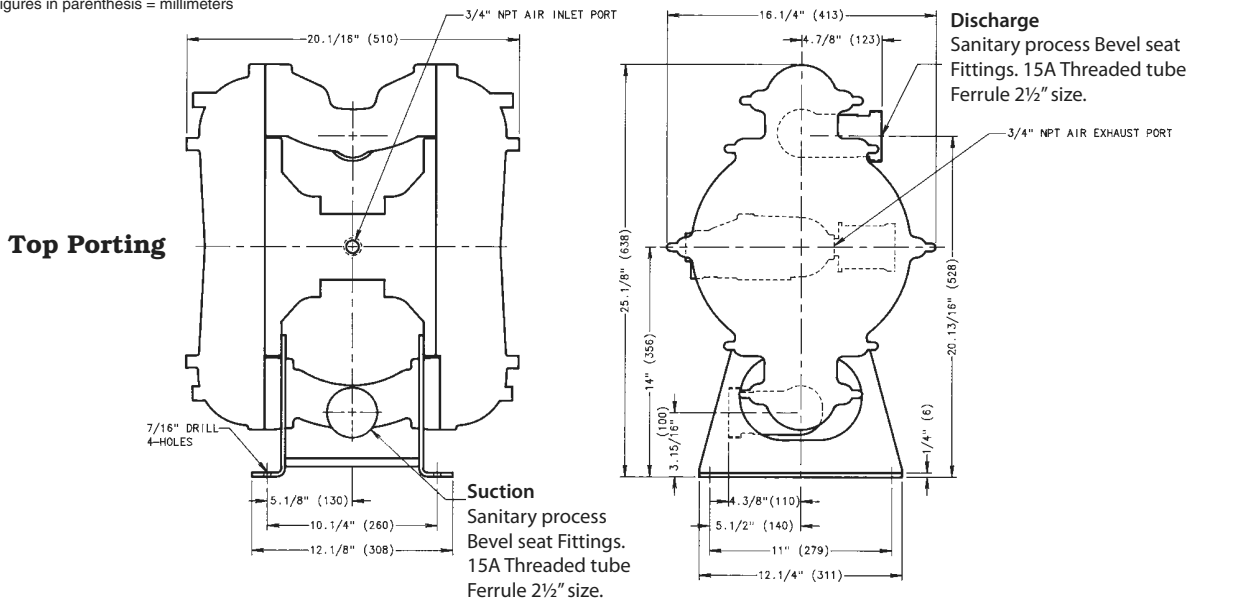
# SSA2-A FLAP VALVE SANITARY



MATERIALS	Operating Temperatures		
	Maximum	Minimum	Optimum
<b>FDA Accepted 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 88°C	-10°F -23°C	50°F to 140°F 10°C to 60°C
<b>FDA Accepted 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 100°C	-10°F -23°C	50°F to 212°F 10°C to 100°C
<b>CF8M</b> 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)**

Copyright© 2006 Warren Rupp, Inc. All rights reserved.

Specifications are subject to improvement without notice.

SANDPIPER® is a registered trademark of Warren Rupp, Inc.

Warren Rupp, Inc. • A Unit of IDEX Corporation

ssa2dl4ds-REV0508

Tel: 866-777-6060  
 Fax: 866-777-6383

Springer Pumps, LLC  
 Sandpiper Maintenance Videos: <https://goo.gl/Vn9Gdt>

<http://www.springerpumps.com>  
 Int'l: +001 267 404 2910