

**WARREN
RUPP®**

Quality System
ISO9001 Certified

Environmental
Management System
ISO14001 Certified

IDEX
FLUID & METERING



SANDPIPER®

A WARREN RUPP PUMP BRAND

SSB1-A Type 3  II 2GD T5

DSB1-A Type 3

This model is not ATEX Compliant.

**1½" x 1½" Air-Powered
Double-Diaphragm
Ball Valve
Sanitary Pump**

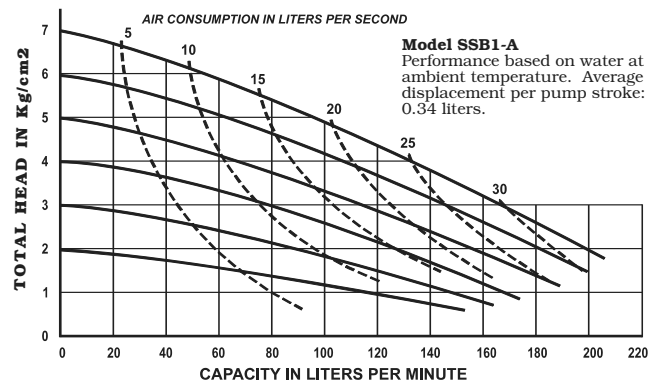
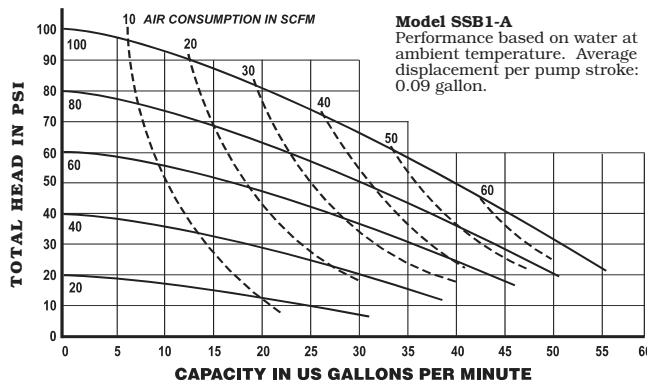
ENGINEERING, PERFORMANCE
& CONSTRUCTION DATA

INTAKE/DISCHARGE PIPE SIZE	CAPACITY	AIR VALVE	SOLIDS-HANDLING	HEADS UP TO
1½" (38mm) Sanitary Process Clamp Fittings	0 to 54 gallons per minute (0 to 204 liters per minute)	No-lube, no-stall design.	¼" (6mm)	125 psi or 289 ft. of water (8.8Kg/cm ² or 88 meters)

PERFORMANCE CURVES

(SANDPIPER® pumps are designed to be powered **only** by compressed air)
Temperature Limit: 212°F - 100°C MAXIMUM

Model SSB1 is USDA-Accepted for meat and poultry.
**Model DSB1-A is USDA Dairy Accepted when
fitted with leak detector 032-017-000, (110 v)
or 032-018-000 (220v).**



MATERIALS OF CONSTRUCTION

SSB1-A	Manifold	Outer Chamber	Inner Chamber	Outer Diaphragm Plate	Inner Diaphragm Plate	Intermediate Housing	Diaphragm Rod	Valve Seat	Hardware	Diaphragm	Ball Valve Material	Air Valve	Air Valve Cap	Shipping Weight (lbs)
TF-3-SS	316SS	CF8M†	AL380DC◇	SS	PS	AL380DC◇	416SS	FDA-N	302/304SS	FDA-N	FDA-N	PP	AL380DC◇	60
TY-3-SS	316SS	CF8M†	AL380DC◇	SS	PS	AL380DC◇	416SS	FDA-I	302/304SS	FDA-I	FDA-I	PP	AL380DC◇	60
DSB1-A	Manifold	Outer Chamber	Inner Chamber	Outer Diaphragm Plate	Inner Diaphragm Plate	Intermediate Housing	Diaphragm Rod	Valve Seat	Hardware	Diaphragm	Ball Valve Material	Air Valve	Air Valve Cap	Shipping Weight (lbs)
TF-3-SS	G5	G5	AL380DC◇	G5	PS	AL380DC◇	416SS	FDA-N	302/304SS	FDA-N	FDA-N	PP	AL380DC◇	62

Meanings of Abbreviations:

† = Electropolished

◇ = Electroless Nickel Plated

AL = Aluminum

DC = Die Cast

FDA-I = FDA Accepted EPDM

FDA-N = FDA Accepted Nitrile

G5 = Grade 5 Dairy Finish

PP = Polypropylene - Glass Filled

PS = Plated Steel

SS = Stainless Steel

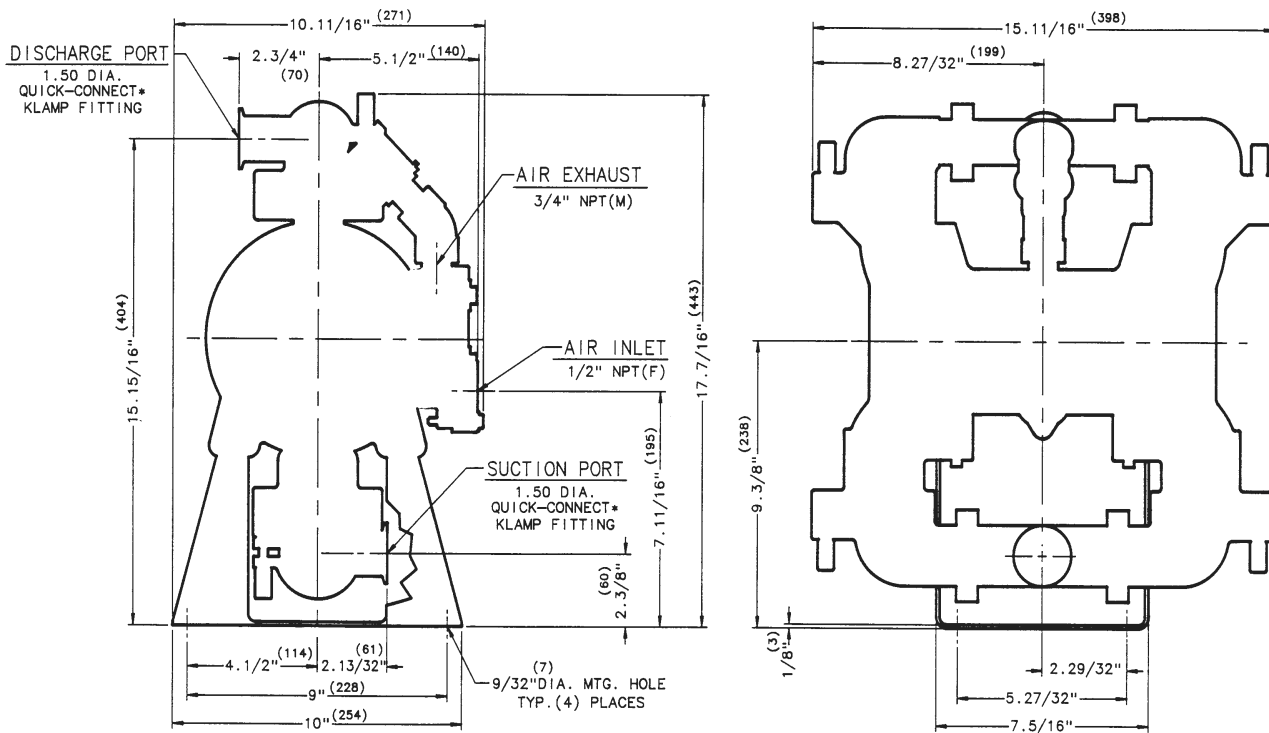
WR-S = Alloy Type 316 S.S.

SSBI-A & DSBI-A BALL 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 "Chemical Resistance Chart" Technical Bulletin.			

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



* QUICK-CONNECT KLAMP FITTINGS ARE A REGISTERED TRADEMARK OF TCI-SUPERIOR.

1 1/2" QUICK CONNECT SANITARY PROCESS CLAMP FITTINGS SUCTION AND DISCHARGE 1/2" NPT(F) AIR INLET PORT • 3/4" NPT(M) AIR EXHAUST PORT