S15 NON-METALLIC PUMP **TECHNICAL DATA SHEET**

SERIES

STANDARD DUTY BALL VALVE PUMPS

Offering the widest range of performance and application capabilities

PERFORMANCE

SUCTION / DISCHARGE PORT SIZE

- 1 1/2 ANSI Flange or
- · PN10 40mm DIN Flange

CAPACITY

• 0 to 100 GPM (0 to 378 LPM)

AIR DISTRIBUTION VALVE

· No-lube, no-stall design

SOLIDS-HANDLING

Up to .47 in. (12mm)

HEADS UP TO

- 100 psi or 231 ft. of water
 - (7 bar or 70 meters)

MAXIMUM OPERATING PRESSURE

100 psi (7 bar)

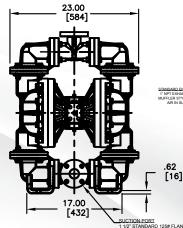
DISPLACEMENT/STROKE

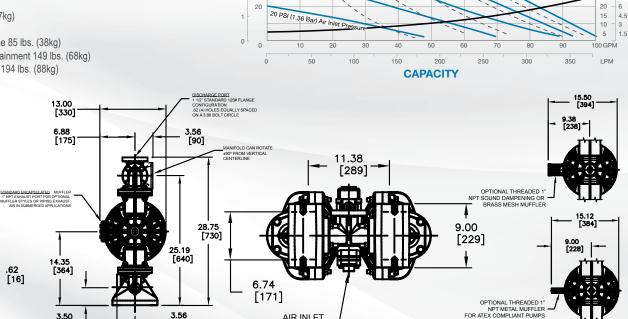
• .43 Gallon / 1.63 liter

WEIGHTS

- Polypropylene 82 lbs. (37kg)
- PVDF 112 lbs. (51kg)
- Conductive Polypropylene 85 lbs. (38kg)
- Polypropylene Spill Containment 149 lbs. (68kg)
- PVDF Spill Containment 194 lbs. (88kg)

DIMENSIONS





BAR BS

SCFM (M³/hr)

SUCTION PORT 1 1/2' STANDARD 125# FLANGE CONFIGURATION .62 (4) HOLES EQUALLY SPACED ON A 3.88 BOLT CIRCLE

+CLUSIVE SANDPIPER FEATURE

5 YEAR LIMITED PRODUCT WARRANTY

3.50 [89]

5 Year Guarantee for defects in material or workmanship. See sandpiperpump.com/content/warranty-certifications for complete warranty, including terms and conditions, limitations and exclusions.



AIR INLET

3/4" NP1

USE ONLY GENUINE SANDPIPER PARTS

All certification, standards, guarantees & warranties originally supplied with this pump will be invalidated by the use of service parts not identified as "Genuine SANDPIPER Parts.'

CE EX [A SAIGLOBAL

ISO 9001 Certified ISO 14001 Certified



Warren Rupp, Inc. • A Unit of IDEX Corporation 800 N. Main St., Mansfield, Ohio 44902 USA Telephone 419.524.8388 • Fax 419.522.7867

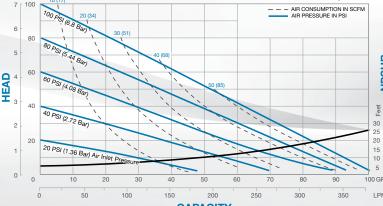
3.56 [90]

Performance based on water at ambient temperature

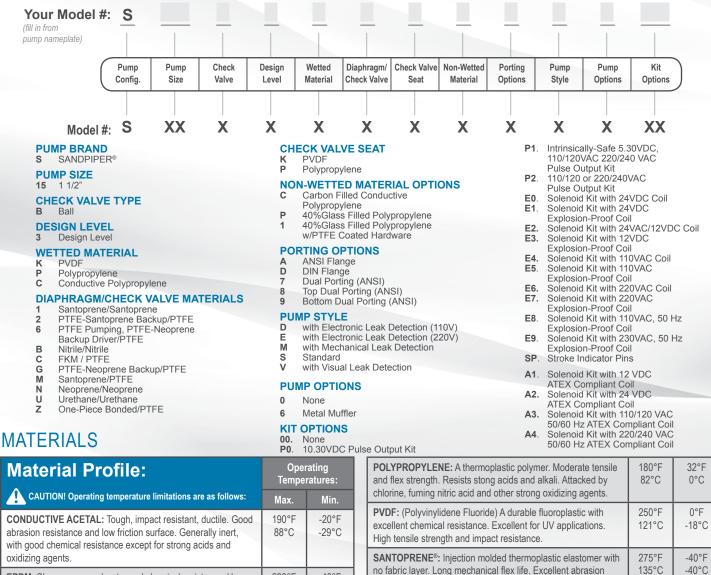
NPSHR

9.1 7.6

1.5



EXPLANATION OF PUMP NOMENCLATURE



oxidizing agents.		
EPDM: Shows very good water and chemical resistance. Has poor resistance to oils and solvents, but is fair in ketones and alcohols.	280°F 138°C	-40°F -40°C
FKM (FLUOROCARBON): Shows good resistance to a wide range of oils and solvents; especially all aliphatic, aromatic and halogenated hydrocarbons, acids, animal and vegetable oils. Hot water or hot aqueous solutions (over 70°F(21°C)) will attack FKM.	350°F 177°C	-40°F -40°C
HYTREL®: Good on acids, bases, amines and glycols at room temperatures only.	220°F 104°C	-20°F -29°C
NEOPRENE: All purpose. Resistance to vegetable oils. Gener- ally not affected by moderate chemicals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters and nitro hydrocarbons and chlorinated aromatic hydrocarbons.	200°F 93°C	-10°F -23°C
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
NYLON: 6/6 High strength and toughness over a wide tem- perature range. Moderate to good resistance to fuels, oils and chemicals.	180°F 82°C	32°F 0°C

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fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures. Maximum and Minimum Temperatures are the limits for which these materials can be operated. Temperatures coupled with pressure affect the longevity of diaphragm pump components. Maximum life should not be expected at the extreme limits of the temperature ranges.

Metals:

resistance.

ALLOY C: Equal to ASTM494 CW-12M-1 specification for nickel and nickel alloy.

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 Chemical Resistance Chart.

NOTE: See service manual for ATEX details.

UHMW PE: A thermoplastic that is highly resistant to a broad

range of chemicals. Exhibits outstanding abrasion and impact

resistance to most solvents and oils.

resistance, along with environmental stress-cracking resistance URETHANE: Shows good resistance to abrasives. Has poor

VIRGIN PTFE: (PFA/TFE) Chemically inert, virtually impervious.

molten alkali metals, turbulent liquid or gaseous fluorine and a few

Very few chemicals are known to chemically react with PTFE;

180°F

82°C

150°F

66°C

220°F

104°C

-35°F -37°C

32°F

0°C

-35°F

-37°C