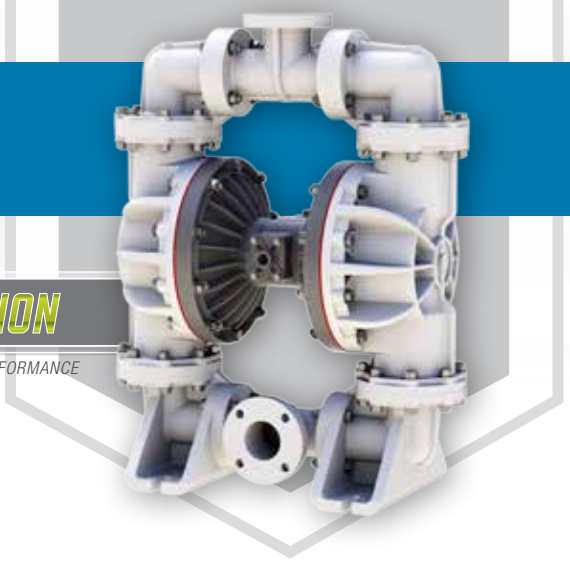
S30 3" NON-METALLIC BALL PUMP
DATA SHEET



- Class leading flow rates - 280 GPM (1060 LPM)
- Available in corrosion resistant Polypropylene or PVDF
- 24% lighter than previous model
- Stainless steel bolted construction

PERFORMANCE

SUCTION / DISCHARGE PORT SIZE
- 3" ANSI Flange or 80mm DIN Flange

CAPACITY
- 0 to 280 GPM (0 to 1,060 LPM)

AIR DISTRIBUTION VALVE
- No-lube, no-stall design

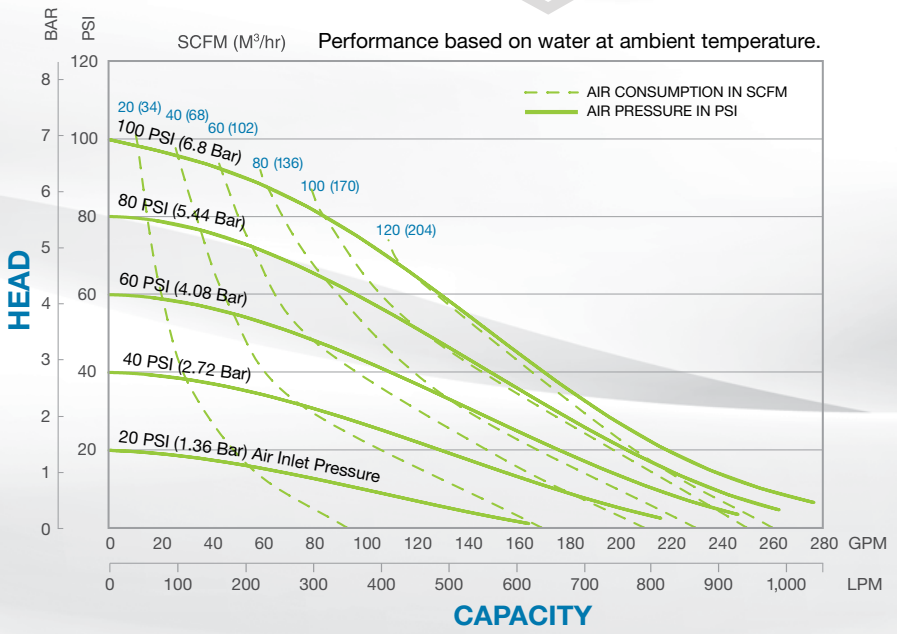
SOLIDS HANDLING
- Up to .75 in. (19mm)

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

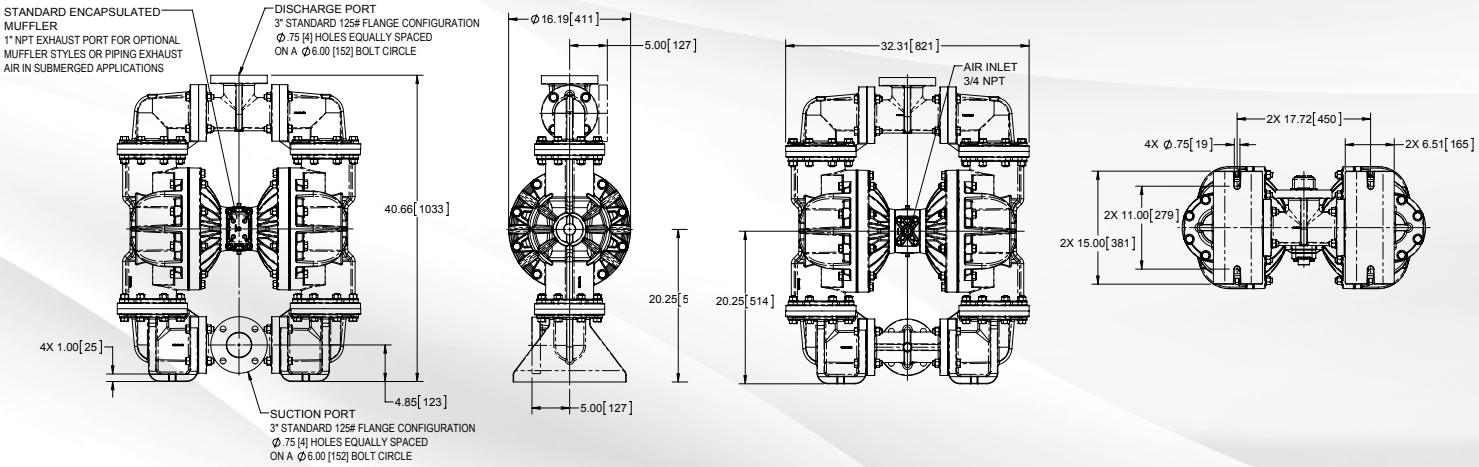
MAXIMUM OPERATING PRESSURE
- 100 psi (7 bar)

DISPLACEMENT / STROKE
- 1.0 Gallon / 8 liter

WEIGHTS
- Polypropylene: 208 lbs (94 kg)
- PVDF: 271 lbs (123 kg)



DIMENSIONS



5 YEAR LIMITED PRODUCT WARRANTY
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.

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."

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

EXPLANATION OF PUMP NOMENCLATURE

Your Model #: S ____ ___ ___ ___ ___ ___ ___ ___ ___ ___ ___ ____

(fill in from pump nameplate)

Pump Config.	Pump Size	Check Valve	Design Level	Wetted Material	Diaphragm/ Check Valve	Check Valve Seat	Non-Wetted Material	Porting Options	Pump Style	Pump Options	Kit Options
Model #: S	XX	X	X	X	X	X	X	X	X	X	XX

PUMP CONFIGURATION
S SANDPIPER®

PUMP SIZE
30 3”

CHECK VALVE TYPE
B Ball

DESIGN LEVEL
3 Design Level

WETTED MATERIAL
K PVDF
P Polypropylene

DIAPHRAGM/CHECK VALVE MATERIALS
1 Santoprene / Santoprene
2 PTFE-Santoprene Backup / PTFE

CHECK VALVE SEAT
K PVDF
P Polypropylene

NON-WETTED MATERIAL OPTIONS
P 40% Glass Filled Polypropylene
1 40% Glass Filled Polypropylene w / PTFE Coated Hardware

PORTING OPTIONS
A ANSI Flange
D DIN Flange

*Consult factory for dual porting options

PUMP STYLE
S STANDARD

*Consult factory for containment duty options

PUMP OPTIONS
0 None

KIT OPTIONS
00. None

*Consult factory for additional kit options

MATERIALS

Material Profile:	Operating Temperatures: Max.	Min.
POLYPROPYLENE: *A thermoplastic polymer. Moderate tensile and flex strength. Resists stong acids and alkali. Attacked by chlorine, fuming nitric acid and other strong oxidizing agents.*	*180°F 82°C*	*32°F 0°C*
PVDF: *(Polyvinylidene Fluoride) A durable fluoroplastic with excellent chemical resistance. Excellent for UV applications. High tensile strength and impact resistance.*	*250°F 121°C*	*0°F -18°C*
SANTOPRENE®: *Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.*	*275°F 135°C*	*-40°F -40°C*
VIRGIN PTFE: *(PFA/TFE) Chemically inert, virtually impervious. Very few chemicals are known to chemically react with PTFE; molten alkali metals, turbulent liquid or gaseous fluorine and a few fluoro-chemicals such as chlorine trifluoride or oxygen difluoride which readily liberate free fluorine at elevated temperatures.*	*220°F 104°C*	*-35°F -37°C*

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:

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.

Optimized performance without sacrificing **proven reliability.** These pumps have undergone an engineering **EVOLUTION,** leveraging trusted and proven product designs to **improve performance** by application of advanced engineering methods.

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