

## **Explanation of Pump Nomenclature**

## S20 Non-Metallic · Design Level 2· Ball Valve

Model	Pump Brand	Pump Size	Check Valve Type	Design Level	Wetted Material	Diaphragm/ Check Valve Materials	Check Valve Seat	Non-Wetted Material Options	Porting Options	Pump Style	Pump Options	Shipping Kit Options	Weight Ibs. (kg)
S20B2P1PQAS000.	S	20	В	2	Р	1	Р	Q	А	S	0	00.	117 (53)
S20B2K1KQAS000.	S	20	В	2	к	1	К	Q	А	S	0	00.	117 (53)
S20B2P2PQAS000.	S	20	В	2	Р	2	Р	Q	А	S	0	00.	151 (68)
S20B2K2KQAS000.	S	20	В	2	к	2	К	Q	А	S	0	00.	151 (68)
S20B2P3PQAV000.	S	20	В	2	Р	3	Р	Q	А	V	0	00.	148 (67)
S20B2K3KQAV000.	S	20	В	2	к	3	К	Q	А	V	0	00.	189 (86)
S20B2P4PQAV000.	S	20	В	2	Р	4	Р	Q	А	V	0	00.	148 (67)
S20B2K4KQAV000.	S	20	В	2	к	4	к	Q	А	V	0	00.	189 (86)

#### **Pump Brand**

S= SANDPIPER®

Pump Size 20=2"

#### **Check Valve Type** B= Ball

#### **Design Level** 2= Design Level

### Wetted Material

#### K=PVDF

P=Polypropylene

#### **Diaphragm Check Valve Materials**

- 1= Santoprene/Santoprene
- 2= PTFE-Santoprene Backup/PTFE 3= PTFE Pumping, PTFE-Santoprene
- Backup Driver/PTFE 4= Santoprene Pumping, Santoprene

#### Driver/Santoprene Check Valve Seat

- K=PVDF
- P= Polyproplene

#### **Non-Wetted Material Options**

A= Painted Aluminum

- J= Painted Aluminum
- w/PTFE Coated Hardware
- Q= Epoxy Coated Aluminum
- K= PTFE Coated Aluminum
- L= PTFE Coated Aluminum with PTFE Coated Hardware
- R= Epoxy Coated Aluminum with PTFE Coated Hardware

#### **Porting Options**

- A= ANSI Flange
- D= DIN Flange
- 7= Dual Porting (ANSI)
- 8= Top Dual Porting (ANSI)
- 9= Bottom Dual Porting (ANSI)

#### Pump Style

- D= Containment Duty with Electronic Leak Detedtion (110V)
- E= Containment Duty with Electronic Leak Detection (220V)
- M= Containment Duty with Mechanical Leak Detection
- S= Standard
- V= Containment Duty with Visual Leak Detection

#### Pump Options

- 0= None
- 1= 3M Muffler
- 2= Mesh Muffler
- 3= High temperature Air Valve w/Encapsulated Muffler
- 4= High temperature Air Valve w/3M Muffler
- 5= High temperature Air Valve w/Mesh Muffler

#### **Kit Options**

- 00.=None
- P0.=0-30VDC Pulse Output Kit
- P1.=Intrinsically-Safe 10-30VDC
- Pulse Output Kit
- P2.=110/120 or 220/240VAC Pulse Output Kit
- Pulse Output Kit P3.=Intrinsically-Safe 110/120VAC
- Pulse Output Kit
- P4.=Intrinsically-Safe 220/240VAC Pulse Output Kit
- SP.=Stroke Indicator Pins

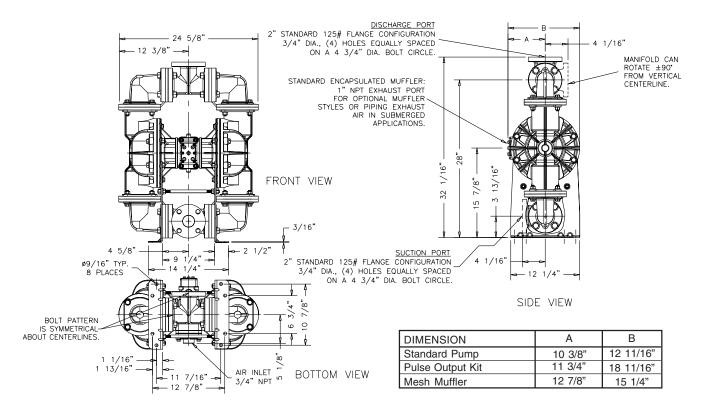
#### CAUTION! Operating temperature limitations are as follows:

	Operating Temperatures			
Materials	Maximum	Minimum		
<b>Virgin PTFE</b> Chemically inert, virtually impervious. Very few chemicals are known to react chemically 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.	212°F 100°C	-10°F -23°C		
<b>Santoprene®</b> Injection molded thermoplastic elastomer with no fabric layer. Long mechanical flex life. Excellent abrasion resistance.	212°F 100°C	-35°F -37°C		
Polypropylene	150°F 65°C	-40°F 5°C		
Polyurethane	180°F 82°C	-35°F -37°C		

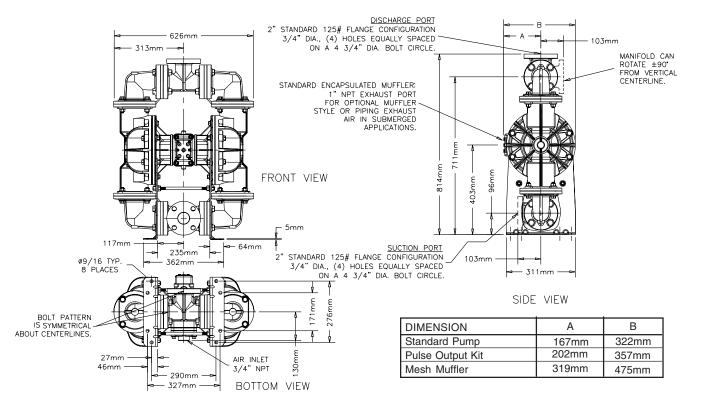
For specific applications, always consult the Warren Rupp Chemical Resistance Chart

## **Dimensions: S20 Non-Metallic**

Dimensions in Inches Dimensional Tolerance:±<sup>1</sup>/<sub>8</sub>"



Dimensions in Millimeters Dimensional Tolerance:± 3mm



# Dimensions: S20 Non-Metallic with Spill Containment

