

Explanation of Pump Nomenclature

S05 Metallic · Design Level 1· 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)
S05B1ABWANS000.	s	05	В	1	А	В	w	A	N	S	0	00.	15 (7)
S05B1ACTPANS000.	S	05	В	1	А	с	Т	А	N	S	0	00.	15 (7)
S05B1AEWANS000.	s	05	В	1	А	E	w	A	Ν	S	0	00.	15 (7)
S05B1ANWANS000.	S	05	В	1	А	N	w	A	N	S	0	00.	15 (7)
S05B1AZTANS000.	S	05	В	1	А	Z	т	A	N	S	0	00.	15 (7)
S05B1A1WANS000.	S	05	В	1	А	1	w	A	N	S	0	00.	15 (7)
S05B1A2TANS000.	S	05	В	1	А	2	т	A	N	S	0	00.	15 (7)
S05B1SBWANS000.	S	05	В	1	S	В	w	A	N	S	0	00.	21 (10)
S05B1SCTANS000.	S	05	В	1	S	С	т	A	N	S	0	00.	21 (10)
S05B1SEWANS000.	S	05	В	1	S	E	w	A	N	S	0	00.	21 (10)
S05B1SNWANS000.	S	05	В	1	S	N	w	A	N	S	0	00.	21 (10)
S05B1SZTANS000.	S	05	В	1	S	Z	т	A	N	S	0	00.	21 (10)
S05B1S1WANS000.	S	05	В	1	S	1	w	A	N	S	0	00.	21 (10)
S05B1S2TANS000.	S	05	В	1	S	2	т	A	N	S	0	00.	21 (10)
S05B1HBWANS000.	S	05	В	1	Н	В	w	A	N	S	0	00.	23 (11)
S05B1HCTANS000.	S	05	В	1	Н	С	т	A	N	S	0	00.	23 (11)
S05B1HEWANS000.	s	05	В	1	Н	E	w	А	N	S	0	00.	23 (11)
S05B1HNWANS000.	s	05	В	1	Н	N	w	А	N	S	0	00.	23 (11)
S05B1HZTANS000.	s	05	В	1	Н	z	Т	А	N	S	0	00.	23 (11)
S05B1H1WANS000.	s	05	В	1	Н	1	w	А	N	S	0	00.	23 (11)
S05B1H2TANS000.	s	05	В	1	Н	2	Т	А	N	S	0	00.	23 (11)

Pump Brand S= SANDPIPER®

Pump Size 05=1/2"

Check Valve Type B= Ball

Design Level 1= Design Level

Wetted Material

- A= Aluminum
- S= Stainless Steel
- H= Alloy C

Diaphragm/Check Ball Material

- B= Nitrile/Nitrile
- C= FKM/PTFE
- N= Neoprene/Neoprene
- E= EPDM/EPDM
- 1= Santoprene/Santoprene 2= PTFE-Santoprene/PTFE
- Z= One Piece PTFE-Nitrile/PTFE

- Valve Seat
- A= Aluminum
- C= Cast Iron
- H= Alloy C
- S= Stainless Steel
- T= PTFE

Non-Wetted Material

- A= Aluminum Y= Aluminum w/ Stainless Steel Hardware
- **Porting Options**
- N= NPT Threads
- B= BSP (Tapered) Threads
- 1= Dual Porting (NPT)
- 2= Top Dual Porting (NPT)
- 3= Bottom Dual Porting NPT
- 4= Dual Porting BSP (Tapered)
- 5= Top Dual Porting BSP (Tapered)
- 6= Bottom Dual Porting BSP (Tapered)

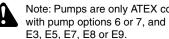
Pump Style

S= Standard

- **Pump Options**
- 0= Integral Muffler
- 1= Sound Dampening Muffler
- 2= Mesh Muffler
- 6= Metal Muffler
- A 7= Metal Muffler with Grounding Cable

Kit Options

- **A** 00.= None
- P0.= 10-30VDC Pulse Output Kit ▲ P1.= Intrinsically-Safe 5-30VDC,
 - 110/120VAC, 220/240VAC Pulse Output Kit
 - P2.= 110/120 or 220/240VAC Pulse Output Kit
 - E0.= Solenoid Kit with 24VDC Coil
- E1.= Solenoid Kit with 24VDC Explosion-Proof Coil
- E2.= Solenoid Kit with 24VAC/12VDC Coil
- E3.= Solenoid Kit with 12VDC Explosion-Proof Coil
 - E4.= Solenoid Kit with 110VAC Coil
- E5.= Solenoid Kit with 110VAC, 60 Hz Explosion-Proof Coil E6.= Solenoid Kit with 220VAC Coil
- E7.= Solenoid Kit with 220VAC 60 Hz Explosion-Proof Coil
- E8.= Solenoid Kit with 110VAC, 50 Hz Explosion-Proof Coil
- E9 = Solenoid Kit with 230VAC, 50 Hz Explosion-Proof Coil SP.= Stroke Indicator Pins



Note: Pumps are only ATEX compliant when ordered with pump options 6 or 7, and kit options 00, P1, E1,

- W= UHMW Polyethylene

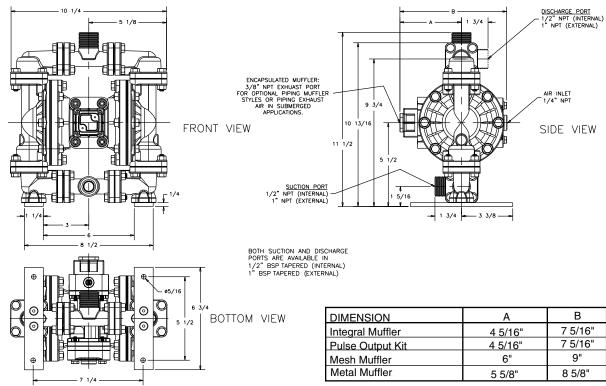


	Operating Temperatures				
Materials	Maximum	Minimum			
Nitrile: General purpose, oil-resistant. Shows good solvent, oil, water and hydraulic fluid resis- tance. Should not be used with highly polar solvents like acetone and MEK, ozone, chlorinated hydrocarbons and nitro hydrocarbons.	190°F 88°C	-10°F -23°C			
EPDM: Shows very good water and chemical resistance. Has poor resistance to oil and solvents, but is fair in ketones and alcohols.	280°F 138°C	-40°F -40°C			
Neoprene: All purpose. Resistant to vegetable oil. Generally not affected by moderate chemi- cals, fats, greases and many oils and solvents. Generally attacked by strong oxidizing acids, ketones, esters, nitro hydrocarbons and chlorinated aromatic hydrocarbons.	200°F 93°C	-10°F -23°C			
Santoprene [®] : Injection molded thermoplastic elastomer with no fabric layer. Long mechani- cal flex life. Excellent abrasion resistance.	275°F 135°C	-40°F -40°C			
Virgin PTFE: 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.	220°F 104°C	-35°F -37°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) will attack FKM.	350°F 177°C	-40°F -40°C			
Polyethylene:	180°F 82°C	-40°F -40°C			

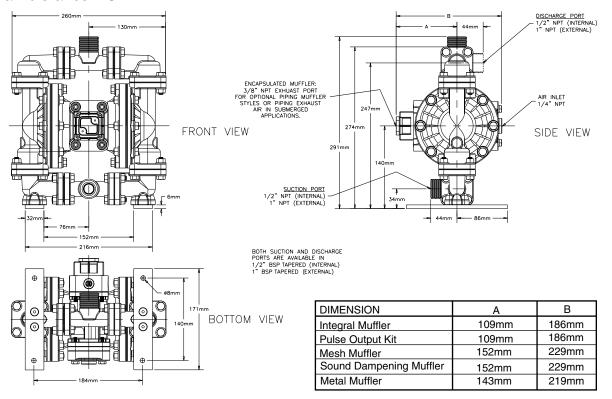
For specific applications, always consult The Warren Rupp Chemical Resistance Chart

Dimensions: S05 Metallic (Aluminum Model)

Dimensions in Inches Dimensional Tolerance:±¹/₈"

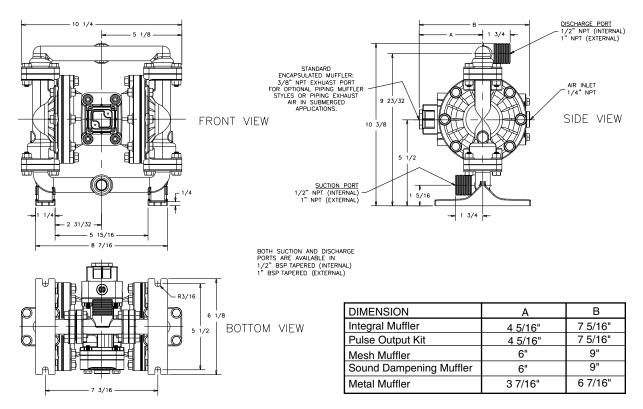


Dimensions in Millimeters Dimensional Tolerance:± 3mm



Dimensions: S05 Metallic (Stainless Steel & Alloy C Models)

Dimensions in Inches Dimensional Tolerance:±1/8"



Dimensions in Millimeters Dimensional Tolerance:± 3mm

