
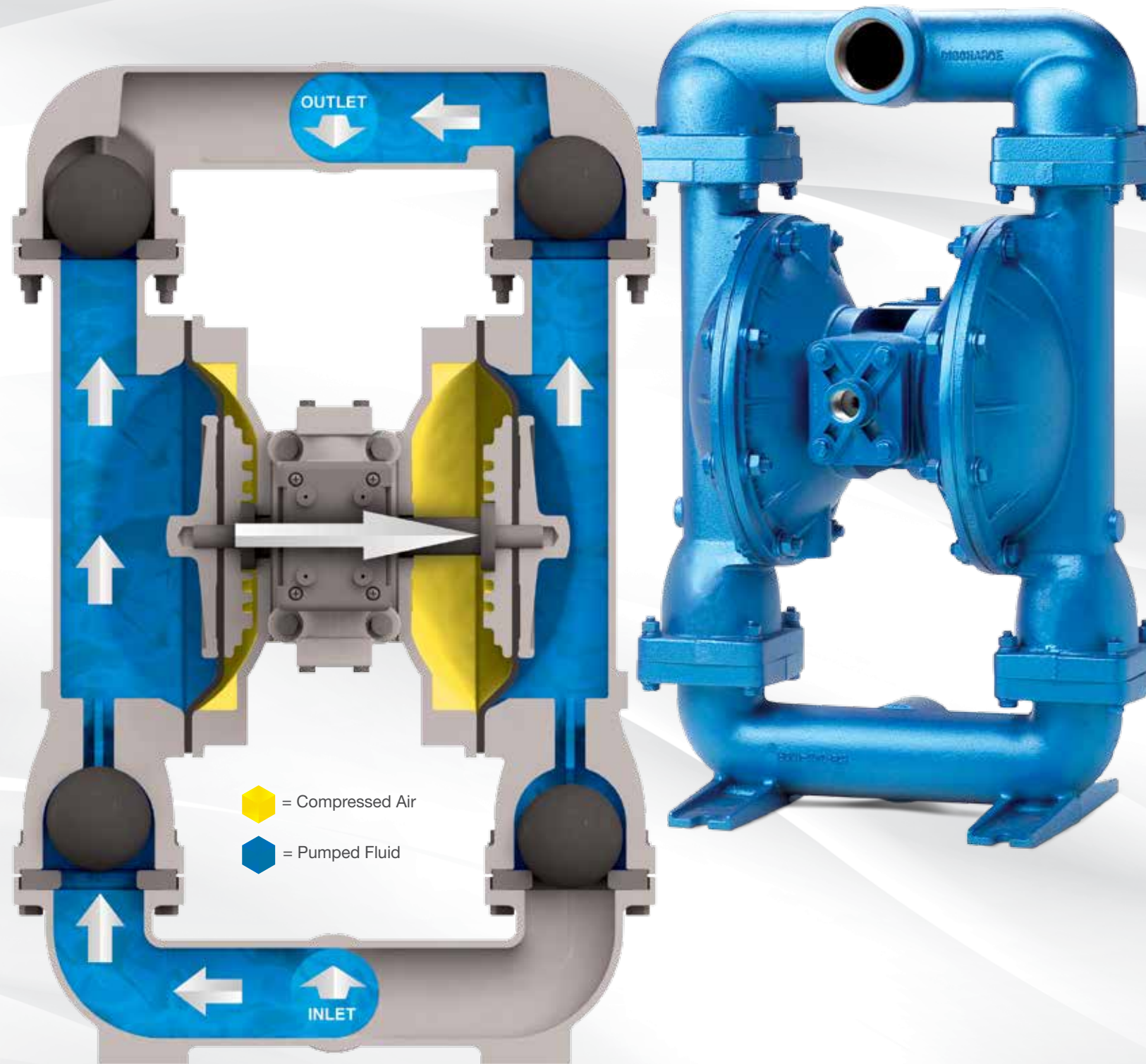


STANDARD DUTY BALL VALVE PUMPS

SANDPIPER'S MOST POPULAR PRODUCT LINE, OFFERING A LARGE VARIETY OF PERFORMANCE AND APPLICATION CAPABILITIES

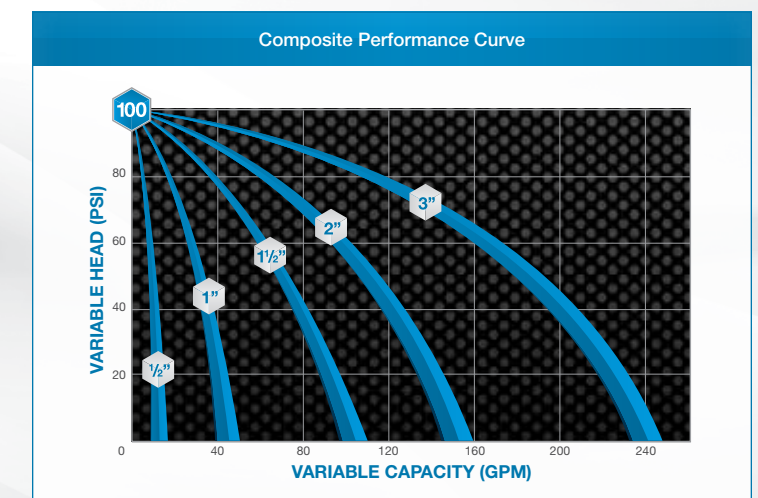
Standard Duty Metallic Pumps are ideally suited for intermittent / on-demand, portable, moderately abrasive fluids, and suspended solids. Standard duty pumps are constructed in Aluminum, Cast Iron, Stainless Steel and non-metallic materials such as PTFE, Polypropylene, and PVDF with elastomer TPE (thermal plastic elastomers) and PTFE options in diaphragms and check valves.

-  **Lightweight & Portable**
Weights as low as 4 lbs (1.8 kg).
-  **All Bolted Construction**
Durable and high pressure capable.
-  **Top Discharge**
For pumping out of tough areas.
-  **Ball Check Valves**
Provide powerful, high flow pumping.
-  **Diaphragm Connecting Rods**
Reliable and consistent diaphragm control.
-  **ESADS+Plus Air Valve**
Externally Serviceable Air Distribution System.
-  **Dynamic Manifold Connections**
90° - 180° rotation options.
-  **Certifications Available**
  



CHARACTERISTICS		Metallic	Non-Metallic	
Fluid Characteristics	Water	+	+	
	Suspended Solids	+	✓	
	Non-Suspended Solids	!	X	
	Line Size Solids	X	X	
	Sludge / Slurry	✓	!	
	High Viscosity (Flowable Fluids)	✓	✓	
	Erosion / Abrasive Fluids	High	✓	!
		Moderate	✓	!
		Low	+	✓
	Corrosion	✓	+	
Installation	Permanent	✓	✓	
	Portable	+	+	
	Containment / Prevention	!	!	
	Flooded Suction	✓	✓	
	Suction Lift	✓	✓	
	Submerged	✓	!	
Duty	Intermittent / On-Demand	+	+	
	Continuous	✓	✓	

+ = Best Type ✓ = Suitable ! = Limitations X = Not Recommended



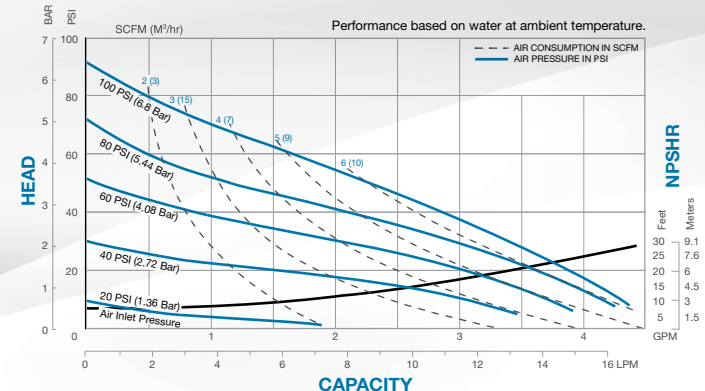
STANDARD DUTY BALL VALVE PUMPS

PERFORMANCE & SPECIFICATIONS



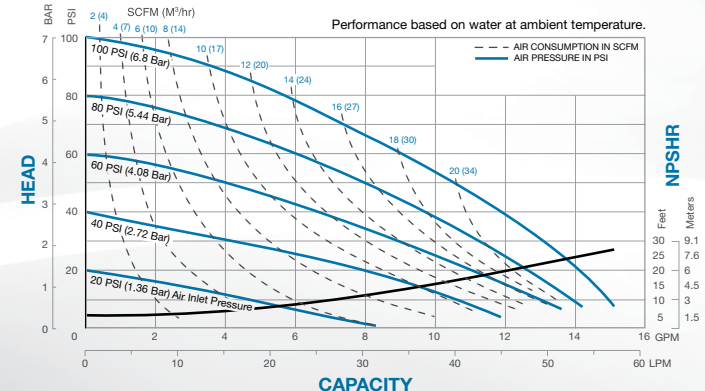
1/4" 6mm E02 / X02 Metallic Performance

- MAX FLOW** • 4.75 GPM (18 LPM)
- PORTING** • BSP Parallel
- AIR END** • Stainless Steel
- WET END** • Stainless Steel



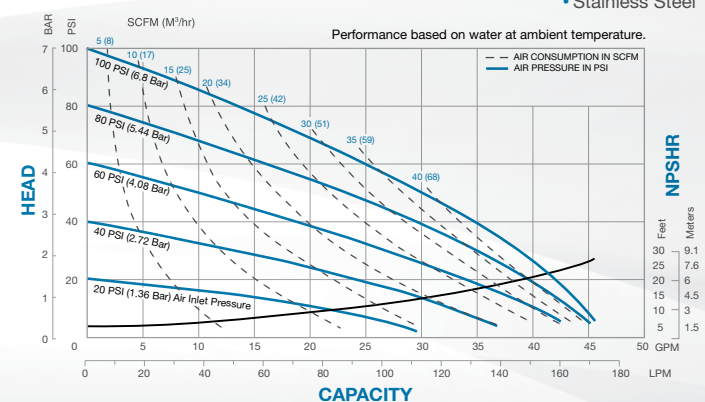
1/2" 12mm S05 Metallic Performance

- MAX FLOW** • 15 GPM (56 LPM)
- PORTING** • NPT / BSP, ANSI Flange
- AIR END** • Aluminum
- WET END** • Aluminum, Stainless Steel



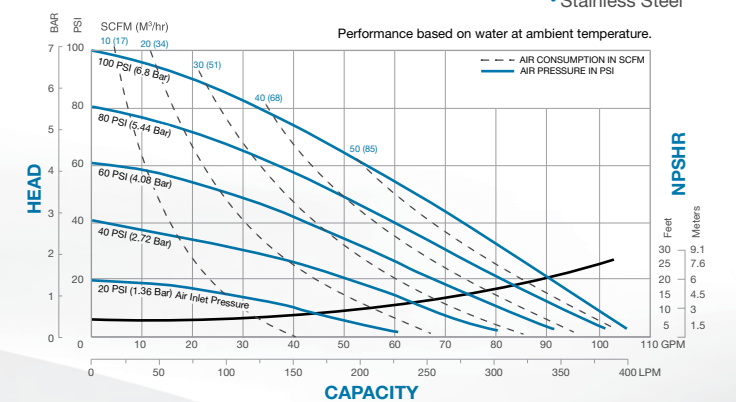
1" 25mm S1F Metallic Performance

- MAX FLOW** • 45 GPM (170 LPM)
- PORTING** • NPT / BSP, ANSI Flange
- AIR END** • Aluminum
- WET END** • Cast Iron, Aluminum, Stainless Steel



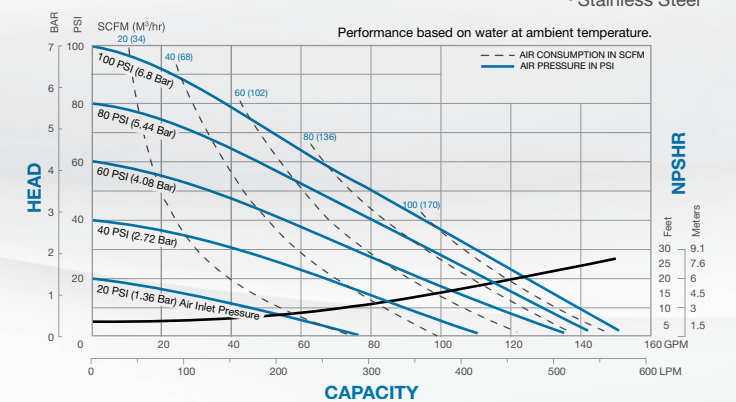
1 1/2" 38mm S15 Metallic Performance

- MAX FLOW** • 106 GPM (401 LPM)
- PORTING** • NPT / BSP, ANSI Flange
- AIR END** • Aluminum
- WET END** • Cast Iron, Aluminum, Stainless Steel



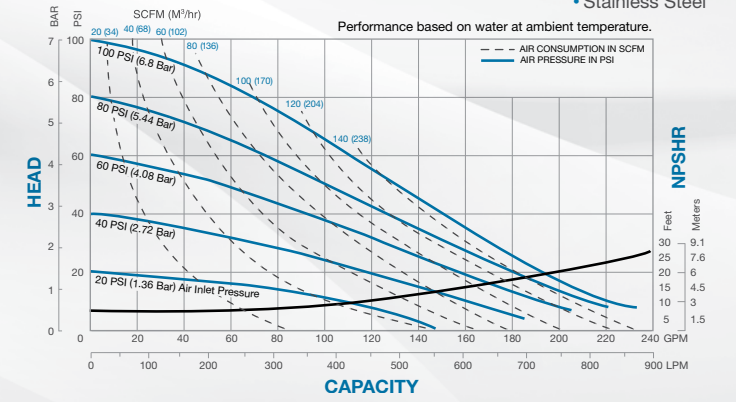
2" 50mm S20 Metallic Performance

- MAX FLOW** • 150 GPM (567 LPM)
- PORTING** • NPT / BSP, ANSI / DIN Flange
- AIR END** • Aluminum
- WET END** • Cast Iron, Aluminum, Stainless Steel



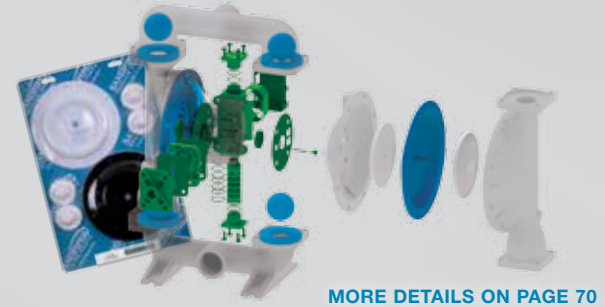
3" 75mm S30 Metallic Performance

- MAX FLOW** • 235 GPM (889 LPM)
- PORTING** • NPT / BSP, ANSI / DIN Flange
- AIR END** • Aluminum
- WET END** • Cast Iron, Aluminum, Stainless Steel



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- Everything in One Place.
- Increase Uptime.
- Reduce Frequency of Repairs.
- Save Time and Money.



MORE DETAILS ON PAGE 70



ENGINEERED PUMPING SOLUTIONS WITH MORE WAYS THAN ONE

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STANDARD DUTY BALL VALVE PUMPS

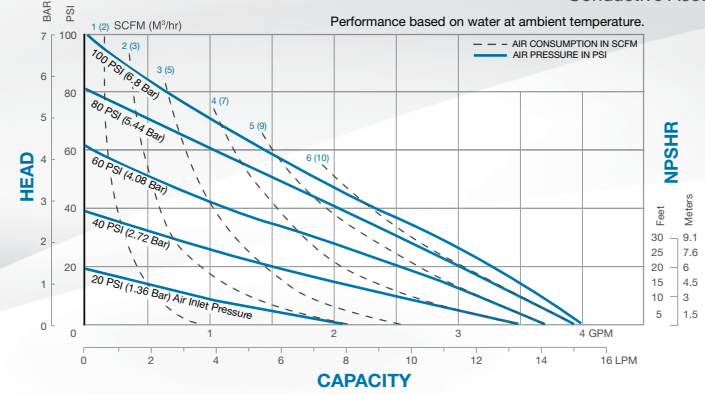
PERFORMANCE & SPECIFICATIONS

SCAN TO LEARN MORE
SANDPIPERPUMP.COM/STANDARD DUTY PUMPS



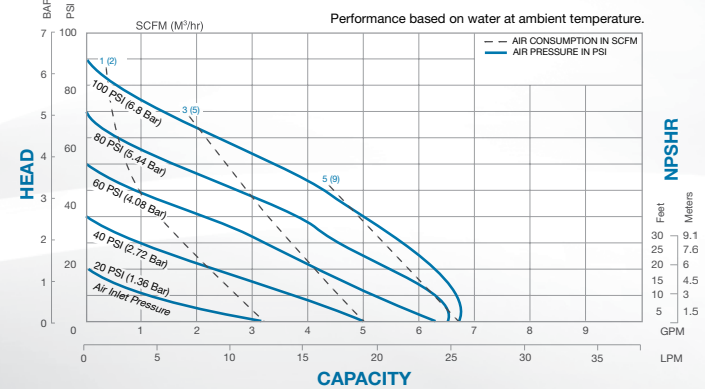
1/4" 6mm PB 1/4 Non-Metallic Performance

- MAX FLOW** • 4 GPM (15 LPM)
PORTING • NPT
AIR END • Polypropylene
 • Conductive Acetal
WET END • Polypropylene
 • PVDF
 • Conductive Acetal



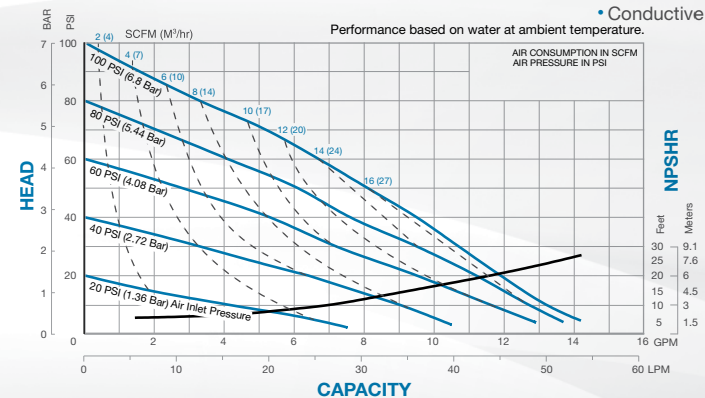
3/8" 9mm WR10 Non-Metallic Performance

- MAX FLOW** • 6.8 GPM (26 LPM)
PORTING • NPT / BSP
AIR END • PTFE
WET END • PTFE
 • PVDF



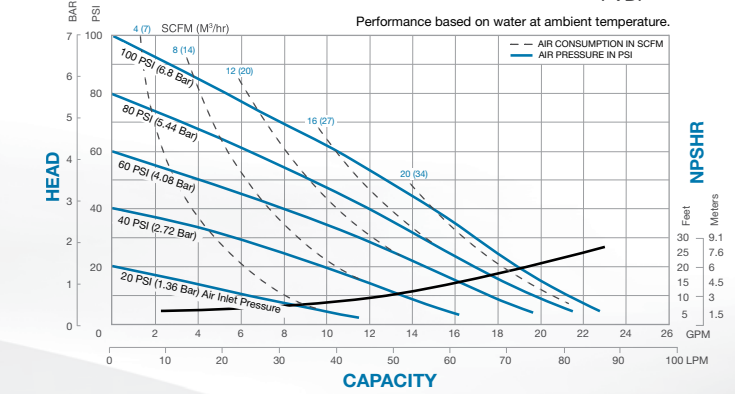
1/2" 12mm S05 Non-Metallic Performance

- MAX FLOW** • 14 GPM (52 LPM)
PORTING • NPT / BSP
AIR END • Polypropylene
 • Conductive Polypropylene
WET END • Polypropylene / Conductive Polypropylene
 • Nylon
 • PVDF / Conductive PVDF
 • Conductive Acetal



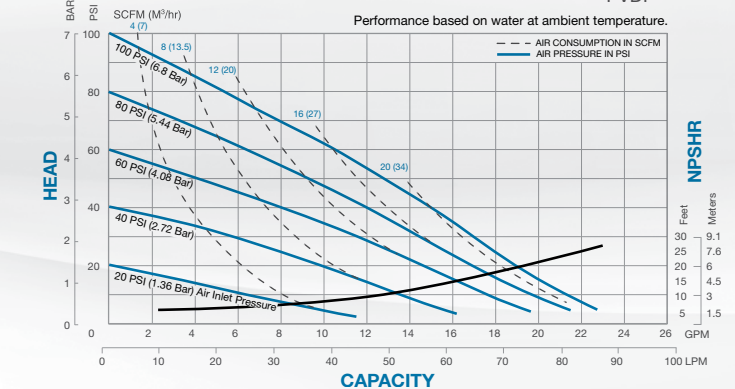
3/4" 19mm S07 Non-Metallic Performance

- MAX FLOW** • 23 GPM (87 LPM)
PORTING • NPT / BSP
AIR END • Polypropylene
WET END • Polypropylene
 • Nylon
 • PVDF



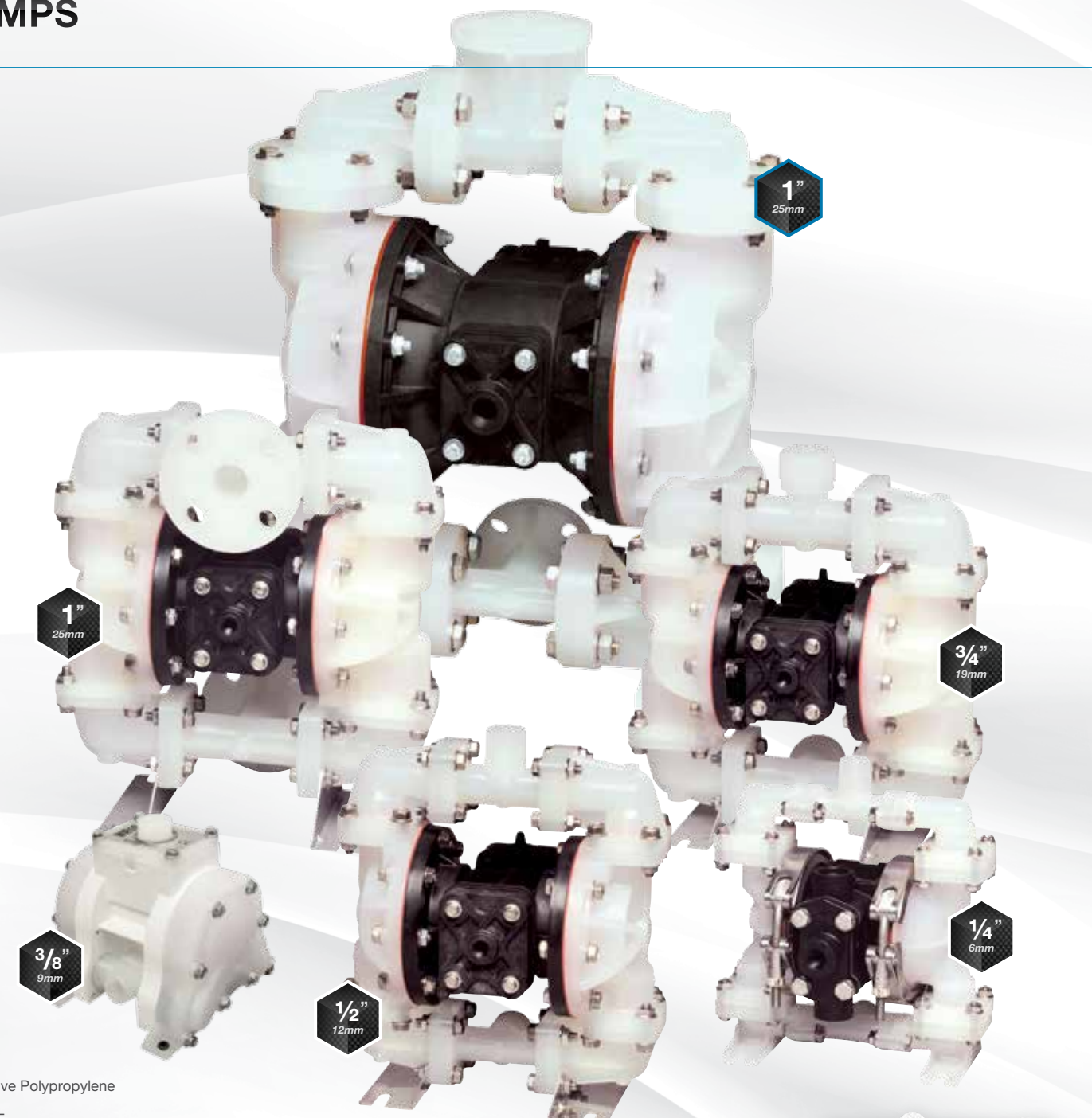
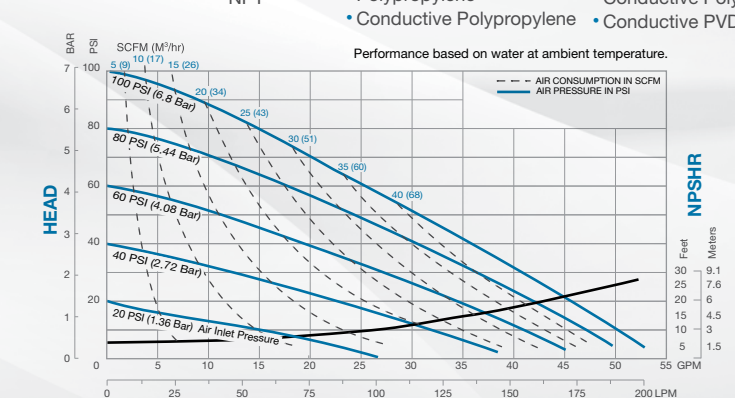
1" 25mm S10 Non-Metallic Performance

- MAX FLOW** • 23 GPM (87 LPM)
PORTING • ANSI Flange
AIR END • Polypropylene
WET END • Polypropylene
 • Nylon
 • PVDF



1" 25mm S1F Non-Metallic Performance


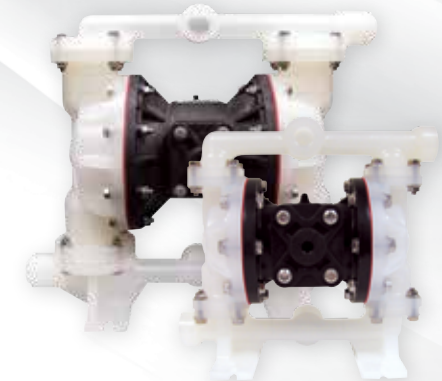
- MAX FLOW** • 53 GPM (200 LPM)
PORTING • ANSI Flange
 • DIN Flange
 • NPT
AIR END • Polypropylene
 • 40% Glass Filled Polypropylene
 • Conductive Polypropylene
WET END • Polypropylene
 • PVDF
 • Conductive Polypropylene
 • Conductive PVDF



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In-line ported options also available on S05 and S1F.



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STANDARD DUTY BALL VALVE PUMPS

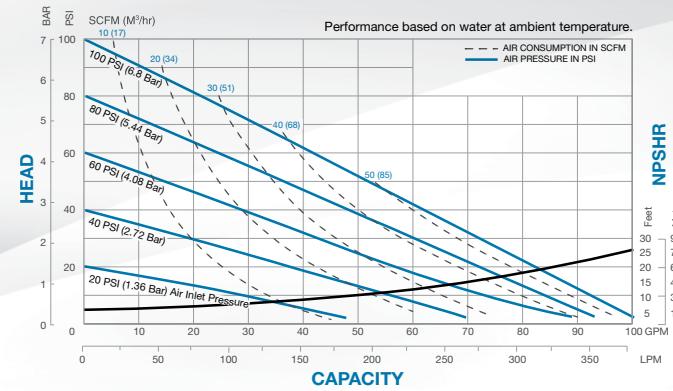
PERFORMANCE & SPECIFICATIONS



1 1/2"
38mm

S15 Non-Metallic Performance

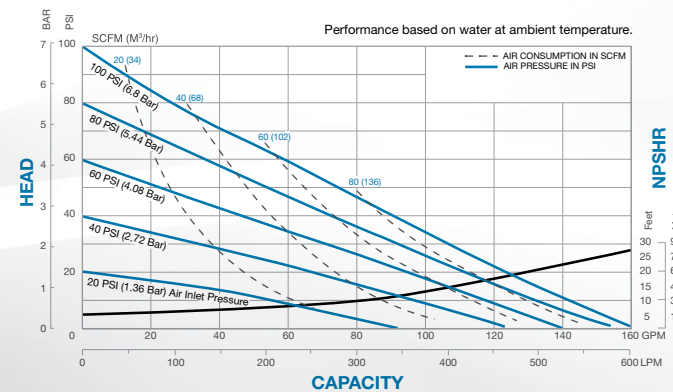
- MAX FLOW**
• 100 GPM (378 LPM)
- PORTING**
• ANSI Flange
• DIN Flange
- AIR END**
• Polypropylene
• Conductive Polypropylene
- WET END**
• Polypropylene
• PVDF
• Conductive Polypropylene



2"
50mm

S20 Non-Metallic Performance

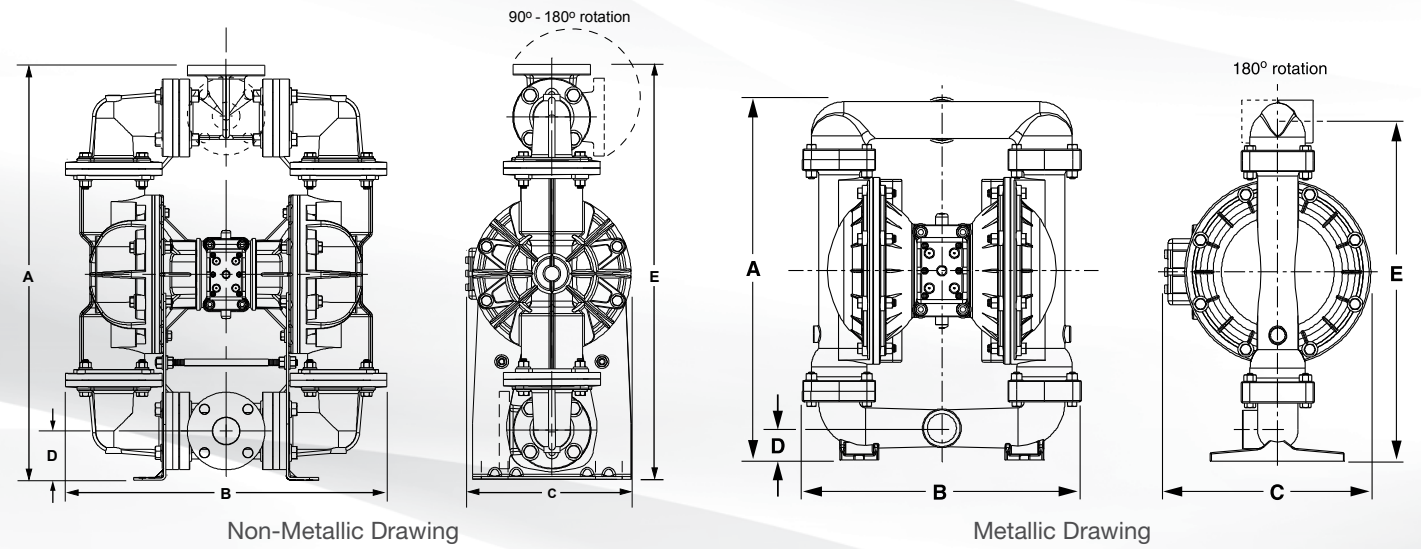
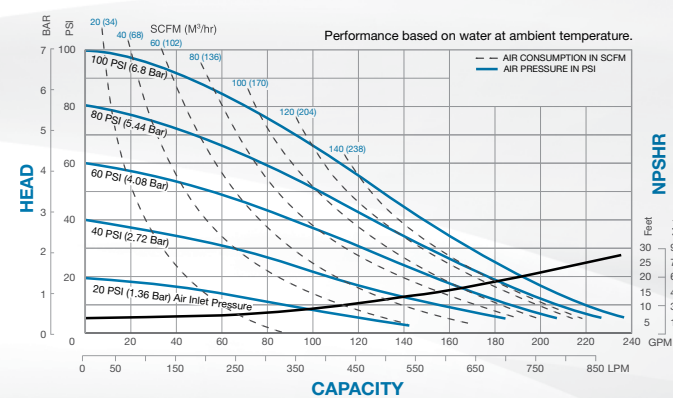
- MAX FLOW**
• 160 GPM (605 LPM)
- PORTING**
• Universal Flange
- AIR END**
• Polypropylene
• Conductive Polypropylene
- WET END**
• Polypropylene
• PVDF
• Conductive Polypropylene



3"
75mm

S30 Non-Metallic Performance

- MAX FLOW**
• 238 GPM (901 LPM)
- PORTING**
• ANSI Flange
• DIN Flange
- AIR END**
• Epoxy Coated Aluminum
- WET END**
• Polypropylene
• PVDF



METALLIC SPECIFICATIONS											
PUMP MODELS	A	B	C	D		Connection Style	Pipe Size	Displacement Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	Height	Width	Depth	Bottom of Base to Center Line of Suction	Center Line of Discharge						
	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)		inch (mm)	gal (liter)	gal (liter)	inch (mm)	psi (bar)
E02 / X02	5.81 (148)	7.44 (189)	4.38 (111)	.63(16)	5.41 (138)	1/4" NPT/BSP	.25 (6)	.003 (.01)	4.75 (18)	.08 (2)	125 (8.6)
S05 AL	11.5 (292)	10.25 (260)	7.44 (179)	1.94 (33)	11.5 (292)	1/2" NPT/BSP	.5 (12)	.026 (.098)	15 (56)	.13 (3)	125 (8.6)
S05 SS	10.38 (264)	10.25 (260)	7.44 (179)	1.31 (33)	9.72 (247)	1/2" NPT/BSP	.5 (12)	.026 (.098)	15 (56)	.13 (3)	125 (8.6)
S1F AL / CI	12.72 (323)	10.25 (260)	10.38 (264)	1.09 (28)	11.84 (301)	1" NPT/BSP	1 (25)	.11 (.42)	45 (170)	.25 (6)	125 (8.6)
S1F SS	12.84 (326)	10.25 (260)	10.38 (264)	1.22 (31)	11.97 (304)	1" NPT/BSP	1 (25)	.11 (.42)	45 (170)	.25 (6)	125 (8.6)
S15 AL / CI	21.58 (548)	16.66 (423)	12.36 (314)	1.91 (49)	20.31 (516)	1 1/2" NPT/BSP	1.5 (38)	.41 (1.55)	106 (401)	.25 (6)	125 (8.6)
S15 SS	21.66 (550)	16.66 (423)	12.36 (314)	1.97 (50)	20.38 (518)	1 1/2" NPT/BSP	1.5 (38)	.41 (1.55)	106 (401)	.25 (6)	125 (8.6)
S20 AL / CI	26.31 (669)	16.88 (428)	12.59 (320)	1.88 (48)	24.63 (625)	2" NPT/BSP	2 (50)	.42 (1.59)	150 (567)	.25 (6)	125 (8.6)
S20 SS	2.31 (669)	16.88 (428)	12.59 (320)	2 (50)	24.75 (629)	2" NPT/BSP	2 (50)	.42 (1.59)	150 (567)	.25 (6)	125 (8.6)
S30 AL/CI	32.06 (814)	19.66 (499)	15.75 (400)	2.34 (60)	29.97 (761)	3" NPT/BSP	3 (75)	.94 (3.56)	235 (889)	.38 (9.5)	125 (8.6)
S30 SS	32.28 (820)	19.66 (499)	15.75 (400)	2.28 (65)	30.19 (767)	3" NPT /BSP	3 (75)	.94 (3.56)	235 (889)	.38 (9.5)	125 (8.6)

Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.

NON-METALLIC SPECIFICATIONS											
PUMP MODELS	A	B	C	D		Connection Style	Pipe Size	Displacement Per Stroke	Max Flow Per Minute	Max Solids Handling	Max Discharge Pressure
	Height	Width	Depth	Bottom of Base to Center Line of Suction	Center Line of Discharge						
	inches (mm)	inches (mm)	inches (mm)	inches (mm)	inches (mm)		inch (mm)	gal (liter)	gal (liter)	inch (mm)	psi (bar)
PB1/4	7.81 (198)	7 (178)	5.5 (140)	.75 (19)	7.81 (198)	1/4" NPT	.25 (6)	.01 (.04)	4 (15)	.03 (1)	100 (6.9)
WR10	5.32 (135)	4.09 (104)	5.72 (145)	0.94 (24)	0.94 (24)	3/8" NPT	.375 (10)	.009 (.034)	6.8 (26)	0.1 (2.25)	100 (6.9)
S05	11.31 (287)	10.13 (257)	7.06 (179)	1.38 (35)	11.31 (287)	1/2" NPT	.5 (13)	.026 (.098)	14 (52)	.125 (3)	100 (6.9)
S07T*	13.34 (339)	11.81 (300)	7.06 (179)	1.81 (46)	13.34 (339)	3/4" NPT	.75 (19)	.026 (.059)	13 (48)	.38 (9)	100 (6.9)
S07	13.34 (339)	11.81 (300)	7.06 (179)	1.81 (46)	13.34 (339)	3/4" NPT	.75 (19)	.026 (.098)	23 (87)	.15 (4)	100 (6.9)
S10	13.81 (351)	11.81 (300)	7.56 (192)	2.5 (64)	11.69 (297)	1" ANSI	1 (25)	.026 (.098)	23 (87)	.15 (4)	100 (6.9)
S1F	21 (533)	17 (433)	11.63 (295)	2.5 (64)	21 (533)	1" U	1 (25)	.19 (.72)	53 (200)	.25 (6)	100 (6.9)
S15	28.75 (730)	23 (584)	13 (330)	3.5 (89)	25.19 (640)	1 1/2" ANSI or DIN	1.5 (38)	.36 (1.36)	100 (378)	.47 (12)	100 (6.9)
S20	32.25 (819)	23.81(605)	13 (330)	3.81 (97)	28.19 (716)	2" U	2 (50)	.36 (1.36)	160 (605)	.66 (17)	100 (6.9)
S30	40.63 (1032)	33.38 (848)	18.25 (464)	4.88 (124)	40.63 (1032)	3" ANSI or DIN	3 (75)	.9 (3.41)	238 (901)	.71 (18)	100 (6.9)

Dimensional Tolerance: ±1/8" (± 3mm) • See service manual for complete specifications.

U = Universal: Fits both ANSI or DIN.
*T = Trihedral.