RELEASED: 16/06/2026
REVISED: 16/06/2026
REV: 04

Technical Data

Teryair 1-1/2'' Diaphragm Pump TeryPro Aluminium & Stainless Steel



All Aluminium Construction

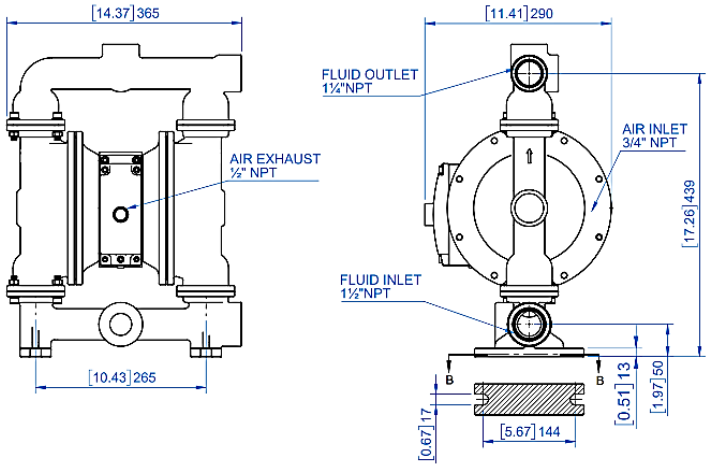


All Stainless Steel Construction

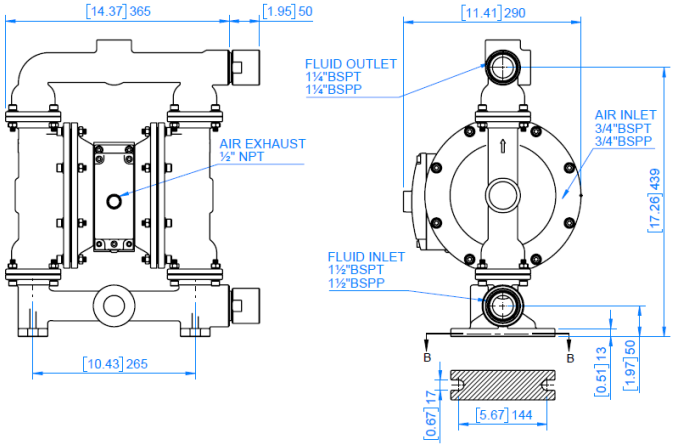


SS Wetted parts + Aluminium Shaft Housing & Aluminium Valve

Dimensions Data - NPT - (Aluminium & SS)

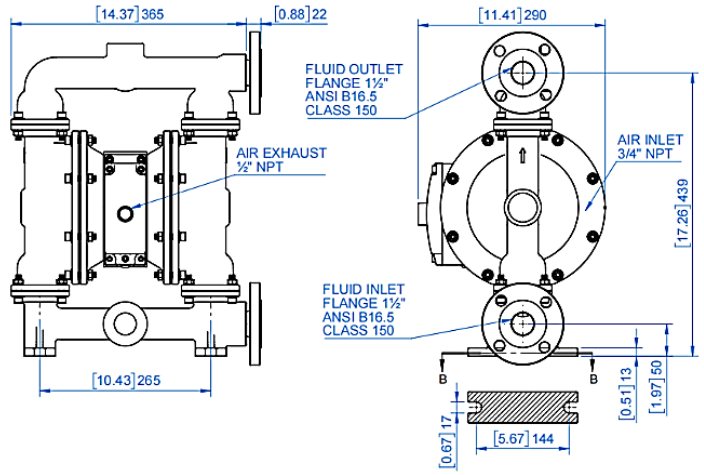


Dimensions Data - BSPT/BSPP



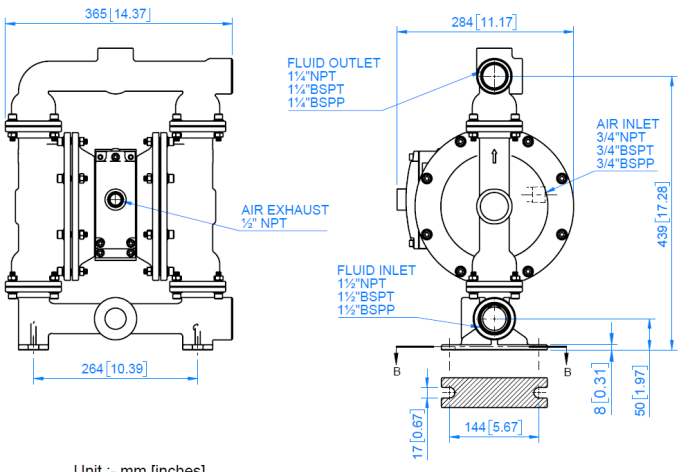
NOTE: Only for Aluminium models. SS models have BSPP/BSPT Threads inbuilt.

Dimensions Data - Flanged



NOTE: Dimensions are shown in [inch] mm

Dimensions Data - Aluminium Shaft Housing

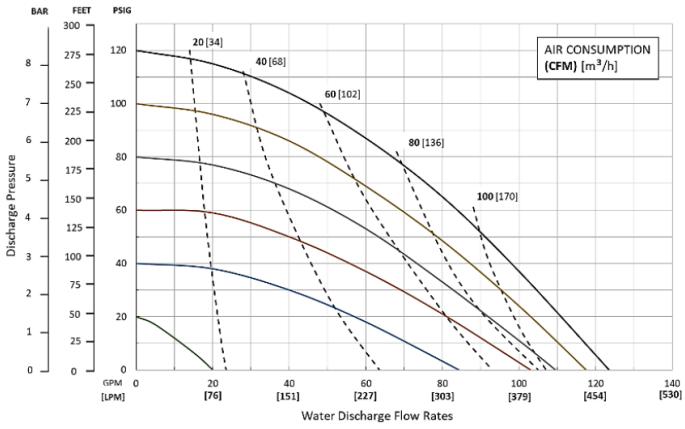


Unit :- mm [inches]
TP40 SS Wetted Parts + Alu. Shaft Hsg. & Air valve - NPT/BSPT/BSPP

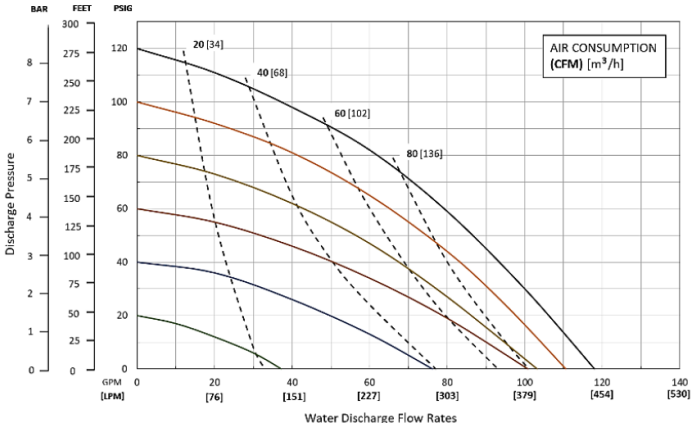
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Performance Graph Santoprene / Buna N



Performance Graph PTFE



Weight & Finish

Pump Type	Weight	Finish
All Aluminium Construction	57 lbs (26 kgs)	RAL 1004, Yellow
All Stainless Steel Construction	111 lbs (50 kgs)	Natural
Aluminium Construction, Flanged	59.6 lbs (27 kgs)	RAL 1004, Yellow
SS Wetted parts + PP Shaft Housing & PP Valve	90 lbs (41 kgs)	Natural + Shaft Housing Silver

Note : 1) For Aluminum Flange Models, weight to be added by 1.65 lbs (0.75kg.)
2) For SS Flange Models, weight to be added by 4.9 lbs (2.2 kgs)

Material Of Construction

Parts	MOC		
	All Aluminium	All Stainless Steel	Stainless Steel + Aluminium Shaft Housing
Wetted Parts	Aluminium (LM6/ LM4)	Stainless Steel (CF8M)	
Diaphragms/ Balls	Buna N Neoprene Viton PTFE Santoprene PTFE-FDA		
Ball Seats	Buna N Neoprene Viton Santoprene Stainless Steel (316L)		
Shaft Housing	Aluminium	Stainless Steel	Stainless Steel + Aluminium Shaft Housing
Air Valve Body	Aluminium (AA6061/ 6063)	Stainless Steel (CF8M)	Aluminium
Piston	Polyacetal		
Fasteners	Stainless Steel (304)		
O Rings & Seal Rings	Carbon Filled PTFE Buna N		

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Performance

Ratio	1:1
Air Inlet Pressure Range	10-120 psig (0.69 – 8.0 bar)
Fluid Outlet Pressure Range	10-120 psig (0.69 – 8.0 bar)
Maximum Flow Rate (Buna N/Santo)	123.5 g.p.m. (466 lpm)
Maximum Flow Rate (PTFE)	118 g.p.m. (446 lpm)
Displacement / Cycle @ 100 psig	0.26 gal. (1.00 lit)
Maximum Particle Size	1/4" dia. (6.4 mm)
Wet Suction (Buna N/Santo)	27.8 ft (8.5 mtr)
Wet Suction (PTFE)	27.8 ft (8.5 mtr)
Dry Suction (Buna N/Santo)	17.2 ft (5.0 mtr)
Dry Suction	16.1 ft (4.4 mtr)

Maximum Temperature Limits

(Diaphragm/Ball/Seat Material)

Buna N	10° to 180° F (-12° to 82° C)
Santoprene	-40° to 230° F (-40° to +110°C)
PTFE	40° to 225° F (4° to 107° C)
PTFE-FDA	40° to 225° F (4° to 107° C)

Pump Nomenclature

Position	1	2	3	4	5	6	7	8	9	10	11
Example	TP	25	A	B	X	G	E	X	A	X	X
Position 1 Range		Position 2 Size	Position 3 Body	Position 4 Diaphragm/ Valve	Position 5 Back up	Position 6 Port	Position 7 Port Position	Position 8 Speciality Code	Position 9 Safety Code	Position 10 Sanitary Code	Position 11 Speciality Code
TP - Industrial		15 - 1/2" 25 - 1" 40 - 1-1/2" 50 - 2"	A - All Aluminium S - All Stainless Steel U - Aluminium Wetted Parts + PP Shaft Housing & PP Air Valve Assly. O - SS Wetted Parts + PP Shaft Housing & PP Air Valve Assly. E - SS Wetted Parts + Aluminium Shaft Housing & Aluminium. Air Valve Assly.	B - Buna (Nitrile) T - PTFE S - Santoprene V - Viton N - Neoprene	S - Santoprene X - None	G - BSPT C - TriClamp BS 4825-3 F - Flanged ANSI/DIN R - NPT P - BSPP	C - Centre Ported, End Port Plugged E - End Ported Only	P - Pulse Dampener R - Remmote Solenoid Driven T - Trolley Mounted X - None	A - ATEX / IECEX X - None	F - FDA / EN1935/2004 X - None	S - Speed Controller C - Cycle Counter B - SS Ball & SS Ball Seat D - Diaphragm Monitoring X - None

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