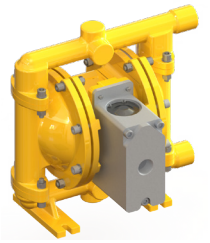
RELEASED: 05/02/2026
REVISED: 17/03/2026
REV: 02

Technical Data

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



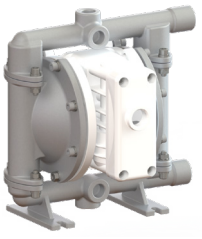
All Aluminium Construction



All Stainless Steel Construction



SS Wetted parts + Aluminium Shaft Housing & Aluminium Valve

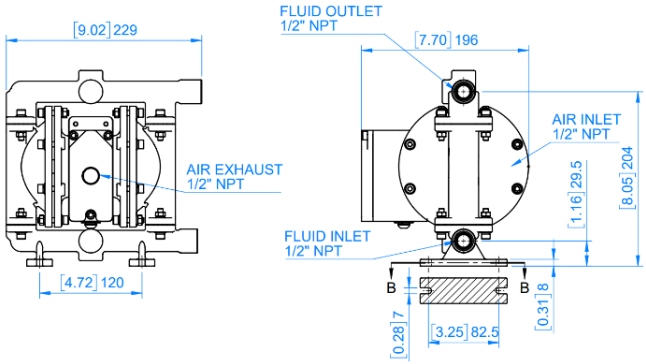


SS Wetted parts + PP Shaft Housing & PP Valve

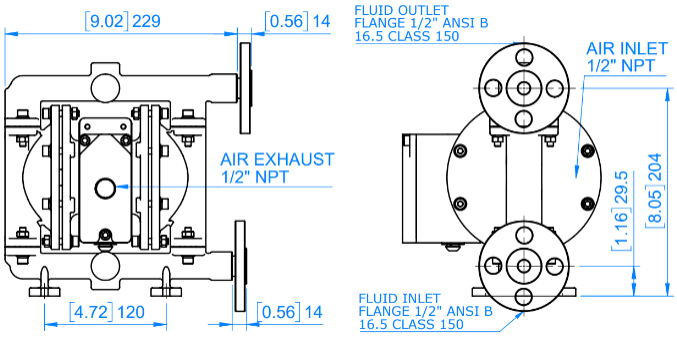


Aluminium Wetted parts + PP Shaft Housing & PP Valve

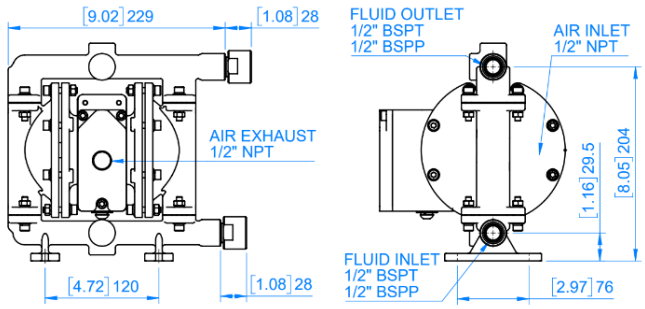
Dimensions Data - NPT - (Aluminium & SS)



Dimensions Data - FLANGED



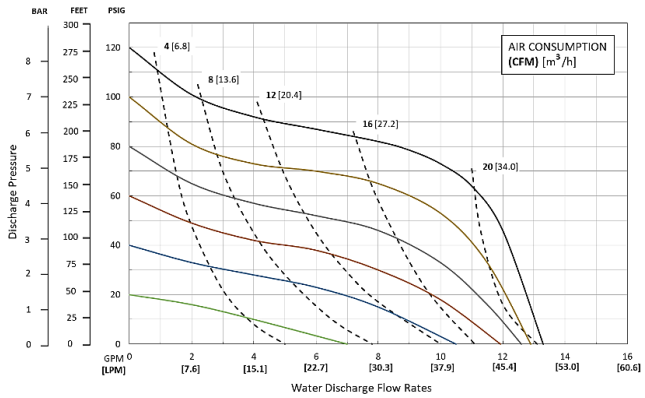
Dimensions Data - BSPT/BSPP



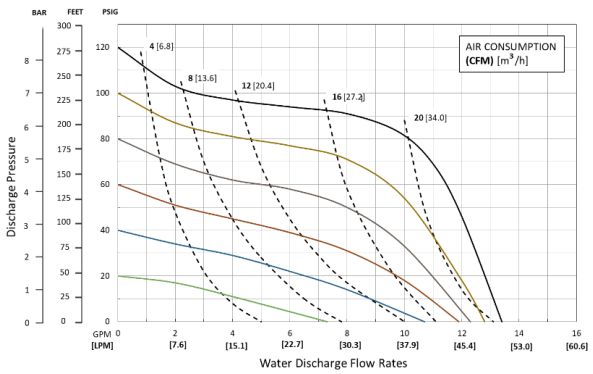
NOTE: Only for Aluminium models. SS models have BSPP/BSPT Threads inbuilt.

NOTE: Dimensions are shown in [inch] mm

Performance Graph Santoprene / Buna N



Performance Graph PTFE



www.teryair.com

Teryair Equipment Pvt Ltd | A1- Tirupati Udyog Nagar, Sativali Road, Vasai East, Maharashtra 401208, India. T : +91 887 903 2775 / +91 744 740 0655 | E : info@teryair.com

Weight & Finish

Pump Type	Weight	Finish
All Aluminium Construction	11.5 lbs (5.2 kgs)	RAL 1004, Yellow
All Stainless Steel Construction	25.4 lbs (11.5 kgs)	Natural
SS Wetted parts +Aluminium Shaft Housing & Aluminium Valve	22.0 lbs (10.0kgs)	Natural + Shaft Housing Silver
SS Wetted parts + PP Shaft Housing & PP Valve	16.7 lbs (7.6 kgs)	Natural + Shaft Housing white
Aluminium Wetted parts + PP Shaft Housing & PP Valve	11.0 lbs (5.0 kgs)	Natural + Shaft Housing Silver

Note : 1) For Aluminum Flange Models, weight to be added by 0.70 lbs (0.32 kg.)
2) For SS Flange Models, weight to be added by 2.1 lbs (0.96 kgs)

Material Of Construction

Parts	MOC				
	All Aluminium	All Stainless Steel	Aluminium + PP Shaft Housing	Stainless Steel + PP Shaft Housing	Stainless Steel + Aluminium Shaft Housing
Inlet, Outlet, Liquid Chamber & Outer Flange	Aluminium (LM6/ LM4)	Stainless Steel (CF8M)	Aluminium (LM6/ LM4)	Stainless Steel (CF8M)	Stainless Steel (CF8M)
Diaphragms/ Balls	Buna N PTFE Santoprene PTFE-FDA		Buna N PTFE Santoprene PTFE-FDA	Buna N PTFE Santoprene PTFE-FDA	
Seals	Buna N Santoprene PTFE-FDA Viton Encapsulated PTFE		Buna N Santoprene PTFE-FDA Viton Encapsulated PTFE	Buna N Santoprene PTFE-FDA Viton Encapsulated PTFE	
Shaft Housing	Aluminium (LM6/LM4)	Stainless Steel (CF8M)	Polypropylene	Polypropylene	Alluminium
Ball Seats	Aluminium (AA6061/ 6063)	Stainless Steel (SS316L)	Aluminium (AA6061/ 6063)	Stainless Steel (SS316L)	Stainless Steel (SS316L)
Air Valve Body	Aluminium (AA6061/ 6063)	Stainless Steel (CF8M)	Polypropylene	Polypropylene	Alluminium
Piston	Polyacetal				
Fasteners	Stainless Steel (304)		Stainless Steel (304)		
O Rings & Seal Rings	Carbon Filled PTFE Buna N		Carbon Filled PTFE Buna N		

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)	13.2 g.p.m. (50 lpm)
Maximum Flow Rate (PTFE)	13.2 g.p.m. (50 lpm)
Displacement / Cycle @ 100 psig	0.027 gal. (0.10 lit)
Maximum Particle Size	1/16" dia. (1.6 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)	18 ft (5.5 mtr)
Dry Suction	15.2 ft (4.6 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)

Teryair Equipment Pvt Ltd | A1- Tirupati Udyog Nagar, Sativali Road, Vasai East, Maharashtra 401208, India. T : +91 887 903 2775 / +91 744 740 0655 | E : info@teryair.com

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

Teryair Equipment Pvt Ltd | A1- Tirupati Udyog Nagar, Sativali Road, Vasai East, Maharashtra 401208, India. T : +91 887 903 2775 / +91 744 740 0655 | E : info@teryair.com