

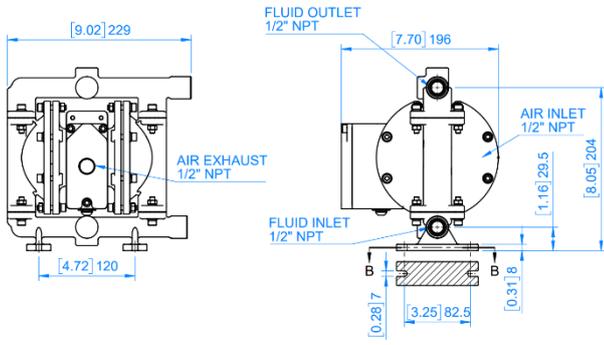


TECHNICAL DATA

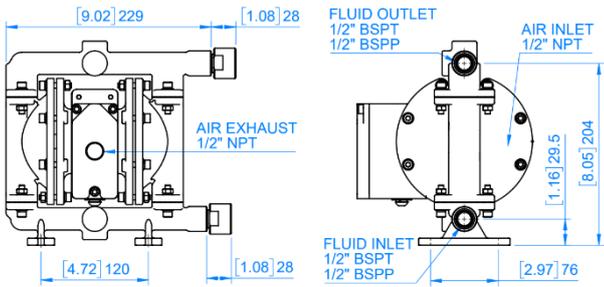
RELEASED: 14/09/2024
 REVISED:
 REV: 00

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

DIMENSIONAL DATA - NPT

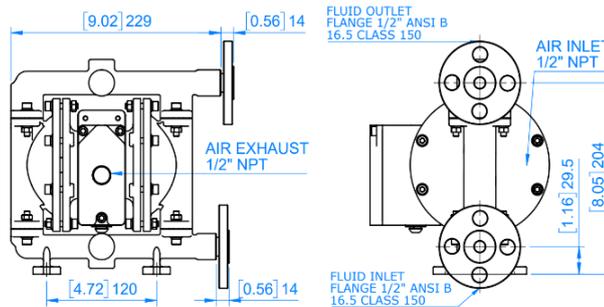


DIMENSIONAL DATA – BSPT/BSPP



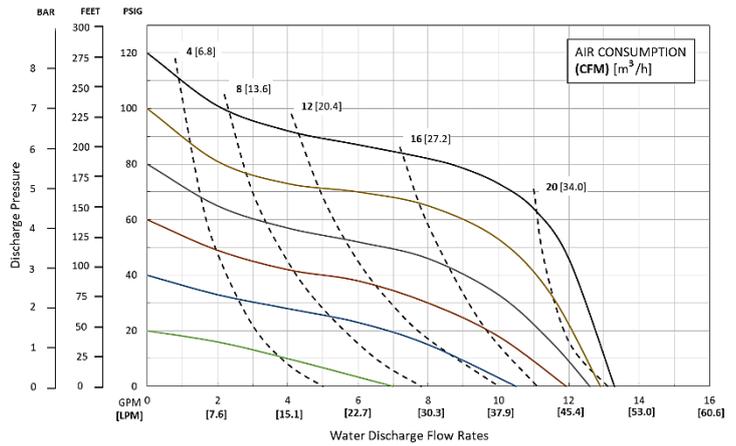
NOTE: Only for Aluminium models. SS models have BSPP/BSPT Threads inbuilt.

DIMENSIONAL DATA – FLANGED

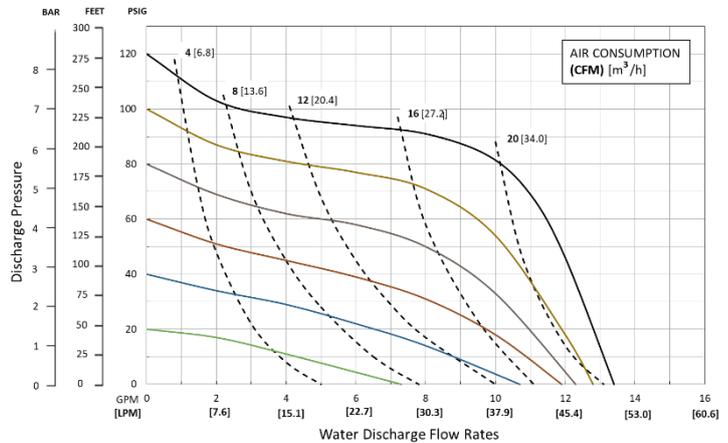


NOTE: Dimensions are shown in [inch] mm

PERFORMANCE GRAPH SANTOPRENE / BUNA N



PERFORMANCE GRAPH PTFE



WEIGHTS & FINISH

Pump Type	Weight	Finish
Aluminium Construction	8 lbs (4 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction	10 lbs (5 kgs)	Natural
Aluminium Construction, Flanged	9.48 lbs (4.30 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction, Flanged	13.0 lbs (5.9 kgs)	Natural

MATERIAL OF CONSTRUCTION

PARTS	MOC	
	Aluminium Series	Stainless Steel Series
Wetted Parts	Aluminium (LM6/ LM4)	Stainless Steel (CF8M)
Diaphragms/Balls	Buna N PTFE Santoprene PTFE-FDA	
Seals	Buna N Santoprene PTFE-FDA Viton Encapsulated PTFE	
Ball Seats	Aluminium (AA6061/ 6063)	Stainless Steel (SS316L)
Air Valve Body	Aluminium (AA6061/ 6063)	Stainless Steel (CF8M)
Piston	Polyacetal	
Fasteners	Stainless Steel (304)	
O Rings & Seal Rings	Bronze Filled PTFE Buna N	

PERFORMANCE DATA

Ratio	1:1
Air Inlet Pressure Range	10-120 psig (0.7 – 8.0 bar)
Maximum Material Inlet Pressure	10 psig (0.7 bar)
Fluid Outlet Pressure Range	10-120 psig (0.7 – 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 (PTFE)	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 350° F (-40° to 177° 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	15	A	B	X	G	E	X	A	X	X
Example: TP15-ABX-REX-AXX											
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 - Aluminium S - Stainless Steel	B - Buna N T - PTFE S - Santoprene	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 - Remote Solenoid Driven T - Trolley Mounted X - None	A - ATEX/IECEX	F - FDA / EN1935 X - None	S - Speed Controller C - Cycle Counter D - Diaphragm Monitoring X - None O - See foot note	

Foot note: Centre Port Horizontal, Centre Port Vertical and End Port on Inlet and Outlet are all threaded and plugged. Pump is blue painted, and comes with Brass Silencer. This is available only in 1/2" Aluminium for Paint Spray Application.

MODEL NUMBERS

Aluminium Pump		Stainless Steel Pump	
TP15-ABX-REX-AXX	TP15-ABX-RCX-AXX	TP15-SBX-REX-AXX	TP15-SBX-RCX-AXX
TP15-ABX-GEX-AXX	TP15-ABX-GCX-AXX	TP15-SBX-GEX-AXX	TP15-SBX-GCX-AXX
TP15-ABX-PEX-AXX	TP15-ABX-PCX-AXX	TP15-SBX-PEX-AXX	TP15-SBX-PCX-AXX
TP15-ABX-FEX-AXX	TP15-ASX-RCX-AXX	TP15-SBX-FEX-AXX	TP15-SSX-RCX-AXX
TP15-ASX-REX-AXX	TP15-ASX-GCX-AXX	TP15-SSX-REX-AXX	TP15-SSX-GCX-AXX
TP15-ASX-GEX-AXX	TP15-ASX-PCX-AXX	TP15-SSX-GEX-AXX	TP15-SSX-PCX-AXX
TP15-ASX-PEX-AXX	TP15-ATS-RCX-AXX	TP15-SSX-PEX-AXX	TP15-STS-RCX-AXX
TP15-ASX-FEX-AXX	TP15-ATS-GCX-AXX	TP15-SSX-FEX-AXX	TP15-STS-GCX-AXX
TP15-ATS-REX-AXX	TP15-ATS-PCX-AXX	TP15-STS-REX-AXX	TP15-STS-PCX-AXX
TP15-ATS-GEX-AXX	TP15-ATS-REX-AXO	TP15-STS-GEX-AXX	
TP15-ATS-PEX-AXX		TP15-STS-PEX-AXX	
TP15-ATS-FEX-AXX		TP15-STS-FEX-AXX	