

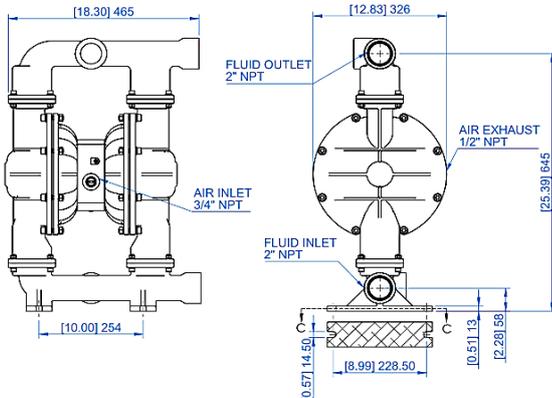


TECHNICAL DATA

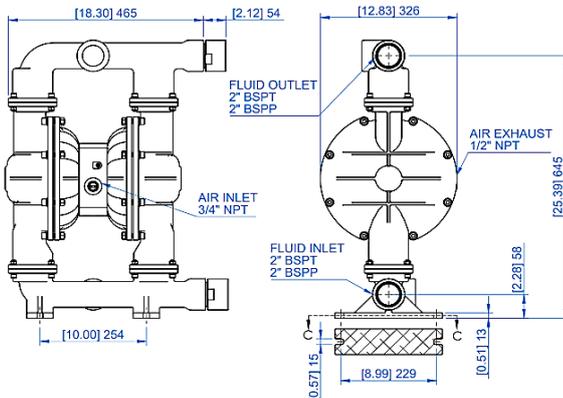
RELEASED: 14/09/2024
 REVISED:
 REV: 00

Teryair 2" Diaphragm Pump TeryPro Aluminium & Stainless Steel

DIMENSIONAL DATA - NPT

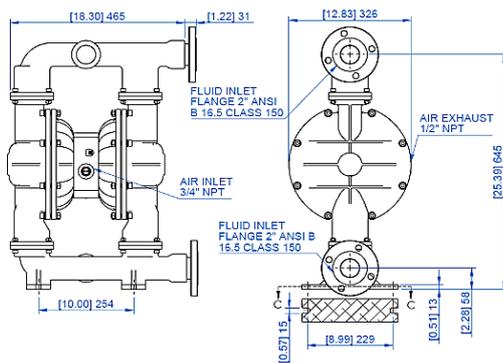


DIMENSIONAL DATA - BSPT/BSPP



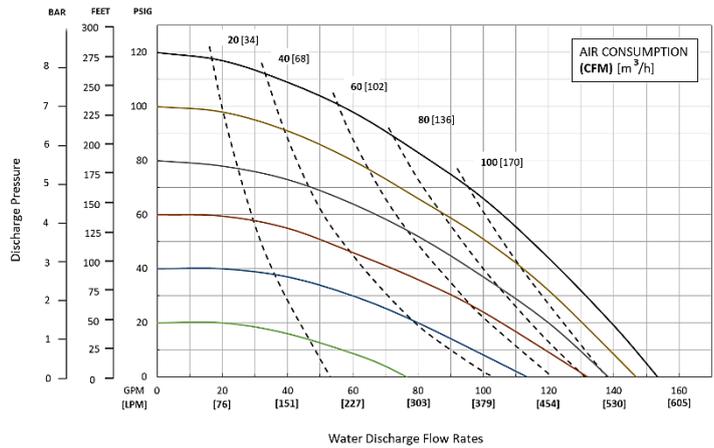
NOTE: Only for Aluminium models. SS models have BSPP/BSPT Threads inbuilt.

DIMENSIONAL DATA - FLANGED

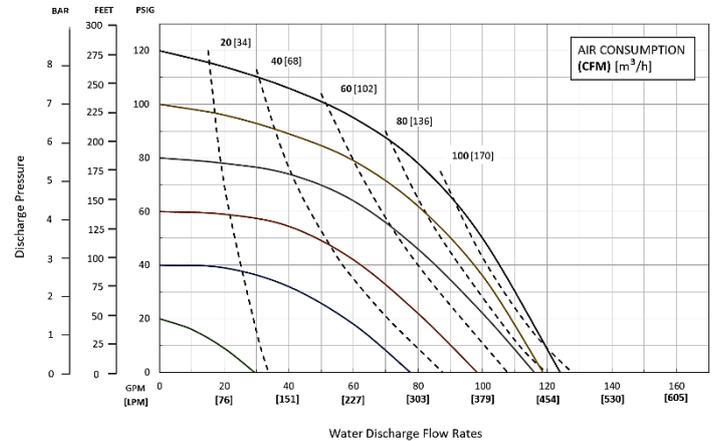


NOTE: Dimensions are shown in [inch] mm

PERFORMANCE GRAPH SANTOPRENE / BUNA N



PERFORMANCE GRAPH PTFE



WEIGHTS & FINISH

Pump Type	Weight	Finish
Aluminium Construction	104 lbs (47 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction	161 lbs (73 kgs)	Natural
Aluminium Construction, Flanged	107.2 lbs (48.62 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction, Flanged	171.5 lbs (77.79 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	PTFE	
Ball Seats	Buna N Santoprene Stainless Steel (316L)	
Air Valve Body	Aluminium (AA6061/ 6063)	Stainless Steel (CF8M)
Piston	Polyacetal	
Fasteners	Stainless Steel (304)	
O Rings & Seal Rings	Carbon 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)	153 g.p.m. (579 lpm)
Maximum Flow Rate (PTFE)	124 g.p.m. (467 lpm)
Displacement / Cycle @ 100 psig	0.71 gal. (2.7 lit)
Maximum Particle Size	1/4" dia. (6.4 mm)
Wet Suction (Buna N /Santo)	28.5 ft (8.7 mtr)
Wet Suction (PTFE)	28.2 ft (8.6 mtr)
Dry Suction (Buna N /Santo)	23.3 ft (7.1 mtr)
Dry Suction (PTFE)	22.3 ft (6.8 mtr)

MAXIMUM TEMPERATURE LIMITS

(Diaphragm/Ball/Seat Material)	
Buna (Nitrile)	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	50	A	B	X	G	E	X	A	X	X
Example: TP50-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	

MODEL NUMBERS

Aluminium Pump		Stainless Steel Pump	
TP50-ABX-REX-AXX	TP50-ABX-RCX-AXX	TP50-SBX-REX-AXX	TP50-SBX-RCX-AXX
TP50-ABX-GEX-AXX	TP50-ABX-GCX-AXX	TP50-SBX-GEX-AXX	TP50-SBX-GCX-AXX
TP50-ABX-PEX-AXX	TP50-ABX-PCX-AXX	TP50-SBX-PEX-AXX	TP50-SBX-PCX-AXX
TP50-ABX-FEX-AXX	TP50-ASX-RCX-AXX	TP50-SBX-FEX-AXX	TP50-SSX-RCX-AXX
TP50-ASX-REX-AXX	TP50-ASX-GCX-AXX	TP50-SSX-REX-AXX	TP50-SSX-GCX-AXX
TP50-ASX-GEX-AXX	TP50-ASX-PCX-AXX	TP50-SSX-GEX-AXX	TP50-SSX-PCX-AXX
TP50-ASX-PEX-AXX	TP50-ATS-RCX-AXX	TP50-SSX-PEX-AXX	TP50-STS-RCX-AXX
TP50-ASX-FEX-AXX	TP50-ATS-GCX-AXX	TP50-SSX-FEX-AXX	TP50-STS-GCX-AXX
TP50-ATS-REX-AXX	TP50-ATS-PCX-AXX	TP50-STS-REX-AXX	TP50-STS-PCX-AXX
TP50-ATS-GEX-AXX		TP50-STS-GEX-AXX	
TP50-ATS-PEX-AXX		TP50-STS-PEX-AXX	
TP50-ATS-FEX-AXX		TP50-STS-FEX-AXX	