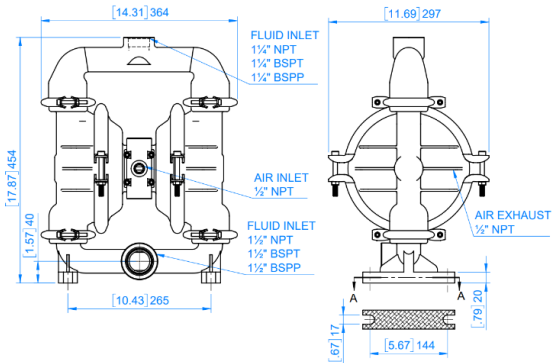


TECHNICAL DATA

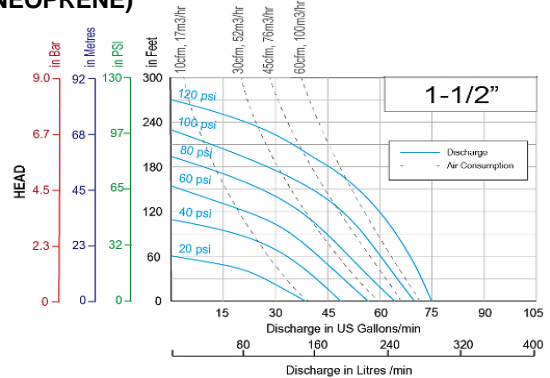
RELEASED: 16/09/2024
 REVISED:
 REV: 00

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

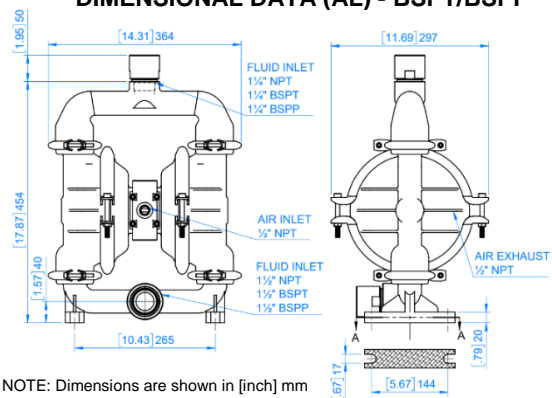
DIMENSIONAL DATA (AL) - NPT



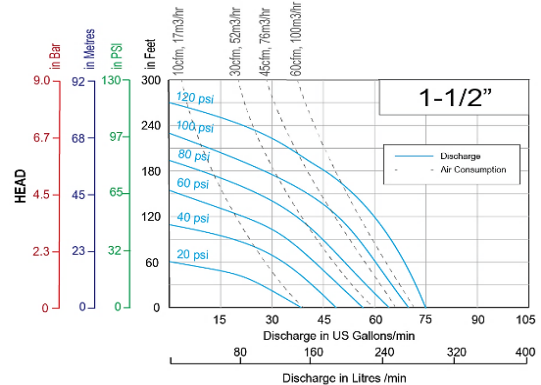
PERFORMANCE GRAPH (BUNA N/ SANTOPRENE/ NEOPRENE)



DIMENSIONAL DATA (AL) - BSPT/BSPP

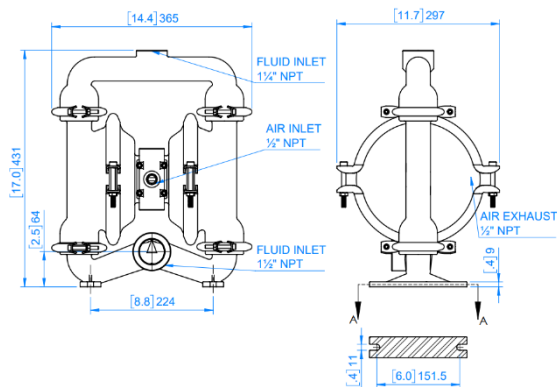


PERFORMANCE GRAPH (PTFE-NEOPRENE)

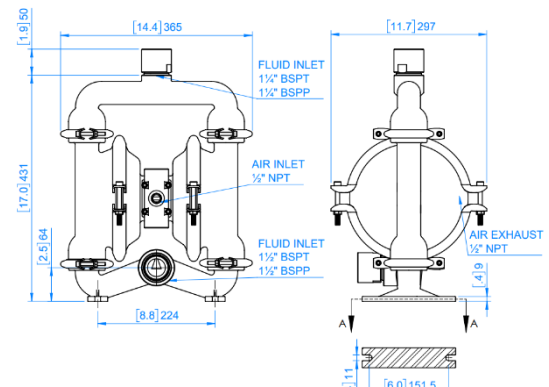


NOTE: Dimensions are shown in [inch] mm

DIMENSIONAL DATA (SS) - NPT



DIMENSIONAL DATA (SS) - BSPT/BSPP



WEIGHTS & FINISH

Pump Type	Weight	Finish
Aluminium Construction	33 lbs (15 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction	51 lbs (23.2 kgs)	Natural
Aluminium Construction, Adapter	33.95 lbs (15.4 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction, Adapter	53.63 lbs (24.33 kgs)	Natural

MATERIAL OF CONSTRUCTION

PARTS	MOC	
	Aluminium Series	Stainless Steel Series
Wetted Parts	Aluminium (AA6061/ 6063)	Stainless Steel (CF8M)
Diaphragms / Balls	Buna N Neoprene Santoprene PTFE	
Seals	PTFE	Encapsulated
Ball Seats	Buna N	
Air Valve Body	Brass (Commercial)	
Piston	Aluminium	
Fasteners	Stainless Steel (304)	
O Rings & Seal Rings	Buna N PTFE Santoprene PTFE-FDA	

PERFORMANCE DATA

Ratio	1:1
Air Inlet Pressure Range	10-120 psig (0.69 – 8.0 bar)
Maximum Material Inlet Pressure	10 psig (0.69 bar)
Fluid Outlet Pressure Range	10-120 psig (0.69 – 8.0 bar)
Maximum Flow Rate (Buna/Santo/Neo)	73.9 g.p.m. (280 lpm)
Maximum Flow Rate (PTFE)	59 g.p.m. (223 lpm)
Displacement/ Cycle@100psig (Buna/Santo/Neo)	0.256 gal. (0.97 lit)
Displacement/ Cycle@100psig (PTFE)	0.650 gal. (2.46 lit)
Maximum Particle Size	3/16" dia. (4.8 mm)
Wet Suction (Buna/Santo/Neo)	26.6 ft (8.1 mtr)
Wet Suction (PTFE)	26.2 ft (8.0 mtr)
Dry Suction (Buna/Santo/Neo)	17.06 ft (5.2 mtr)
Dry Suction (PTFE)	8.6 ft (2.6 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)
Neoprene	0° to 200° F (-18° to 93° C)
PTFE	40° to 225° F (4° to 107° C)

PUMP NOMENCLATURE

Position	1	2	3	4	5	6	7	8	9	10	11
Example	TM	40	A	B	X	G	E	X	A	X	X
Example: TM40-ATN-GEX-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	
TM - Marine	12 - 1/2" 25 - 1" 40 - 1-1/2" 50 - 2" 75 - 3"	A - Aluminium S - Stainless Steel	B - Buna N T - PTFE S - Santoprene N - Neoprene	B - Buna N S - Santoprene N - Neoprene X - None	G - BSPT P - BSPP R - NPT	*As per Picture Only	P - Pulse Dampner R - Remote Solenoid Driven T - Trolley Mounted X - None	A - ATEX/ IECEX	X - None	S - Speed Controller C - Cycle Counter D - Diaphragm Monitoring X - None	

MODEL NUMBERS

Aluminium Pump		Stainless Steel Pump	
TM40-ABX-RCX-AXX	TM40-ANX-RCX-AXX	TM40-SBX-RCX-AXX	TM40-SNX-RCX-AXX
TM40-ABX-GCX-AXX	TM40-ANX-GCX-AXX	TM40-SBX-GCX-AXX	TM40-SNX-GCX-AXX
TM40-ABX-PCX-AXX	TM40-ANX-PCX-AXX	TM40-SBX-PCX-AXX	TM40-SNX-PCX-AXX
TM40-ASX-RCX-AXX	TM40-ATN-RCX-AXX	TM40-SSX-RCX-AXX	TM40-STN-RCX-AXX
TM40-ASX-GCX-AXX	TM40-ATN-GCX-AXX	TM40-SSX-GCX-AXX	TM40-STN-GCX-AXX
TM40-ASX-PCX-AXX	TM40-ATN-PCX-AXX	TM40-SSX-PCX-AXX	TM40-STN-PCX-AXX