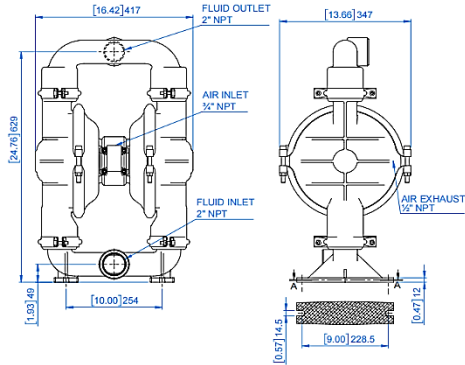


TECHNICAL DATA

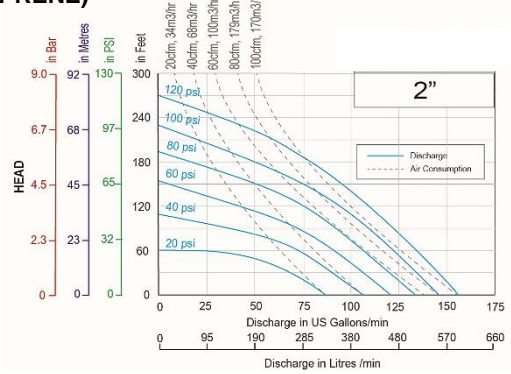
RELEASED: 16/09/2024
 REVISED:
 REV: 00

Teryair 2" Diaphragm Pump TeryMarine Aluminium & Stainless Steel

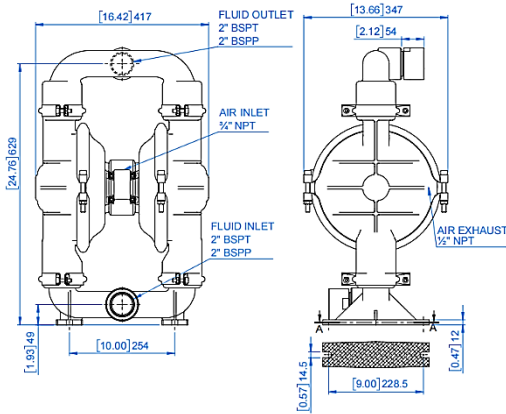
DIMENSIONAL DATA (AL) - NPT



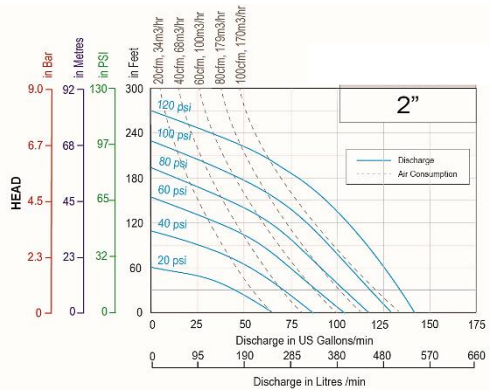
PERFORMANCE GRAPH (BUNA N/ SANTOPRENE/ NEOPRENE)



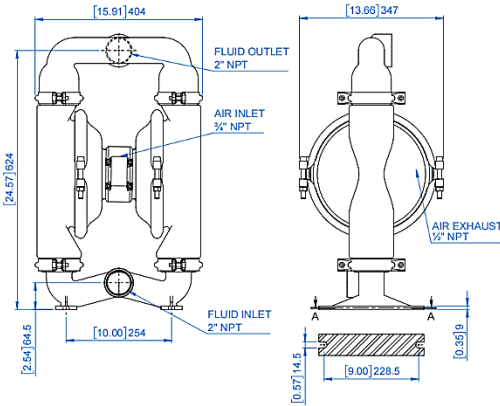
DIMENSIONAL DATA (AL) - BSPT/BSPP



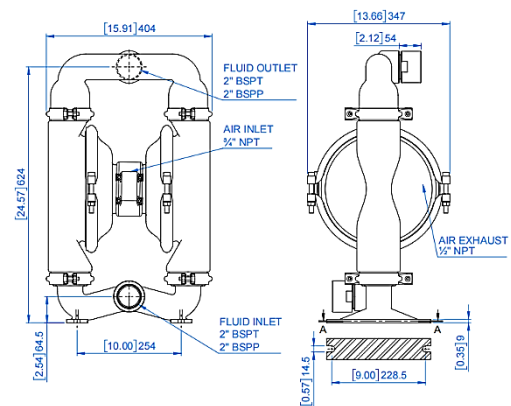
PERFORMANCE GRAPH (PTFE-NEOPRENE)



DIMENSIONAL DATA (SS) - NPT



DIMENSIONAL DATA (SS) - BSPT/BSPP



NOTE: Dimensions are shown in [inch] mm

WEIGHTS & FINISH

Pump Type	Weight	Finish
Aluminium Construction	58.4 lbs (26.5 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction	92.5 lbs (42 kgs)	Natural
Aluminium Construction, Adapter	59.9 lbs (27.2 kgs)	RAL 1004, Yellow ■
Stainless Steel Construction, Adapter	97 lbs (44 kgs)	Natural

MATERIAL OF CONSTRUCTION

PARTS	MOC	
	Aluminium Series	Stainless Steel Series
Wetted Parts	Aluminium (LM6/ LM4)	Stainless Steel (316L) Aluminium (LM6/ LM4)
Diaphragms / Balls	Buna N Neoprene Santoprene PTFE	
Seals	PTFE	
Ball Seats	Buna N Neoprene Santoprene Stainless Steel (316L)	
Air Valve Body	Brass (Commercial)	
Piston	Aluminium (6063/ IS 63400 T6)	
Fasteners	High Tensile/Wh.Zn.Pl.	
O Rings & Seal Rings	Buna N	

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)	155 g.p.m. (586 lpm)
Maximum Flow Rate (PTFE)	133 g.p.m. (502.7 lpm)
Displacement/ Cycle@100psig (Buna/Santo/Neo)	0.67 gal. (2.5 lit)
Displacement/ Cycle@100psig (PTFE)	0.38 gal. (1.4 lit)
Maximum Particle Size	1/4" dia. (6.4 mm)
Wet Suction (Buna/Santo/Neo)	29.5 ft (9.0 mtr)
Wet Suction (PTFE)	29.5 ft (9.0 mtr)
Dry Suction (Buna/Santo/Neo)	19.95 ft (6.1 mtr)
Dry Suction (PTFE)	11.4 ft (3.5 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	50	A	B	X	G	E	X	A	X	X
Example: TM50-ABX-GCX-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	
TM50-ABX-RCX-AXX	TM50-ANX-RCX-AXX	TM50-SBX-RCX-AXX	TM50-SNX-RCX-AXX
TM50-ABX-GCX-AXX	TM50-ANX-GCX-AXX	TM50-SBX-GCX-AXX	TM50-SNX-GCX-AXX
TM50-ABX-PCX-AXX	TM50-ANX-PCX-AXX	TM50-SBX-PCX-AXX	TM50-SNX-PCX-AXX
TM50-ASX-RCX-AXX	TM50-ATN-RCX-AXX	TM50-SSX-RCX-AXX	TM50-STN-RCX-AXX
TM50-ASX-GCX-AXX	TM50-ATN-GCX-AXX	TM50-SSX-GCX-AXX	TM50-STN-GCX-AXX
TM50-ASX-PCX-AXX	TM50-ATN-PCX-AXX	TM50-SSX-PCX-AXX	TM50-STN-PCX-AXX