

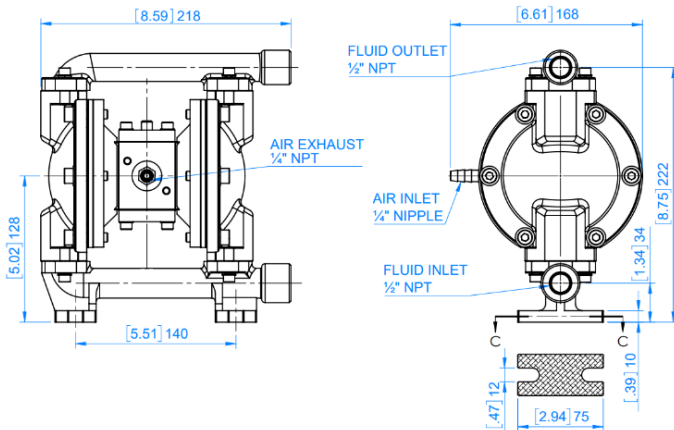


TECHNICAL DATA

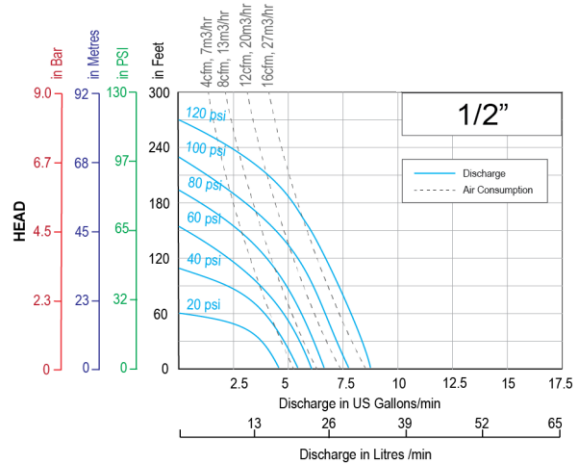
RELEASED: 16/09/2024
 REVISED:
 REV: 00

Teryair 1/2" Diaphragm Pump TeryMarine Aluminium

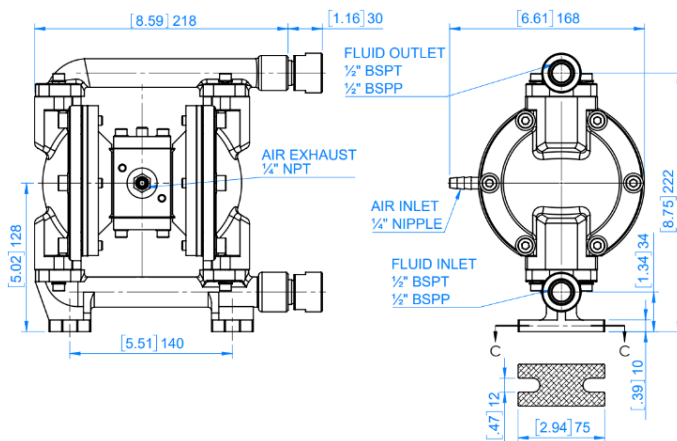
DIMENSIONAL DATA - NPT



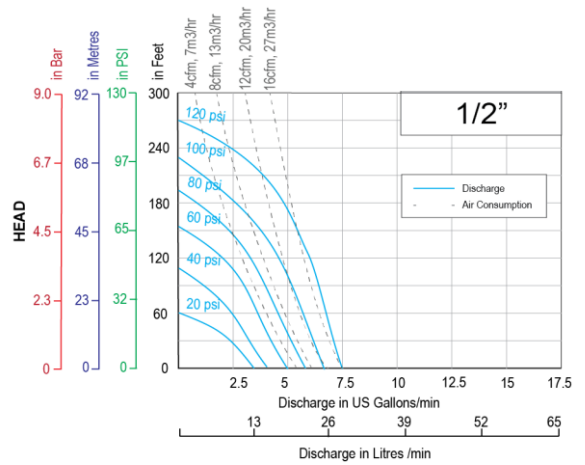
PERFORMANCE GRAPH (BUNA N/ NEOPRENE)



DIMENSIONAL DATA – BSPT/BSPP



PERFORMANCE GRAPH (PTFE-NEOPRENE)



NOTE: Dimensions are shown in [inch] mm

WEIGHTS & FINISH

Pump Type	Weight	Finish
Aluminium Construction	9.7 lbs (4.4 kgs)	RAL 1004, Yellow ■
Aluminium Construction, Adapter	10.15 lbs (4.6 kgs)	RAL 1004, Yellow ■

MATERIAL OF CONSTRUCTION

PARTS	MOC
	Aluminium Series
Wetted Parts	Aluminium (AA6061/ 6063)
Diaphragms / Balls	Buna N Neoprene PTFE
Seals	Buna N Neoprene PTFE
Ball Seats	PTFE
Air Valve Body	Brass
Piston	Nylon
Fasteners	Ht Blk, M.S.Wh.ZnPl
Seals / O Rings	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/Neo)	13.7 g.p.m. (52 lpm)
Maximum Flow Rate (PTFE)	13.3 g.p.m. (50.3 lpm)
Displacement/ Cycle@100psig (Buna/Neo)	0.017 gal. (0.064 lit)
Displacement/ Cycle@100psig (PTFE)	0.650 gal. (2.457 lit)
Maximum Particle Size	1/16" dia. (1.6 mm)
Wet Suction (Buna/Neo)	28.5 ft (8.7 mtr)
Wet Suction (PTFE)	29.19 ft (8.9 mtr)
Dry Suction (Buna/Neo)	9 ft (2.74 mtr)
Dry Suction (PTFE)	4 ft (1.22 mtr)

MAXIMUM TEMPERATURE LIMITS

(Diaphragm/Ball/Seat Material)	
Buna N	10° to 180° F (-12 to 82° 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	12	A	B	X	G	E	X	A	X	X
Example: TM12-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	
TM12-ABX-REX-AXX	TM12-ANX-REX-AXX
TM12-ABX-GEX-AXX	TM12-ANX-GEX-AXX
TM12-ABX-PEX-AXX	TM12-ANX-PEX-AXX
TM12-ASX-REX-AXX	TM12-ATN-REX-AXX
TM12-ASX-GEX-AXX	TM12-ATN-GEX-AXX
TM12-ASX-PEX-AXX	TM12-ATN-PEX-AXX