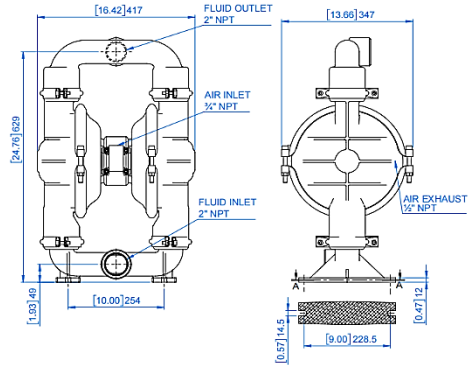


TECHNICAL DATA

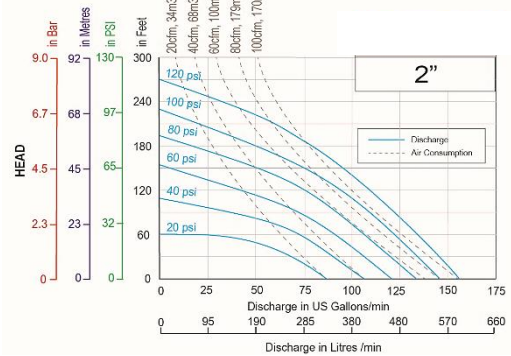
RELEASED: 05/02/2025
REVISED:
REV: 01

Teryair 2" Diaphragm Pump TeryMarine Aluminium & Stainless Steel

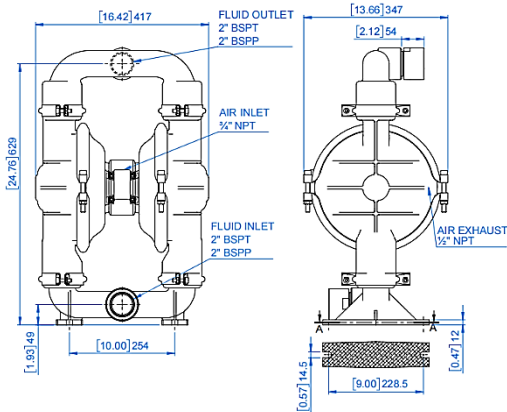
DIMENSIONAL DATA (AL) - NPT



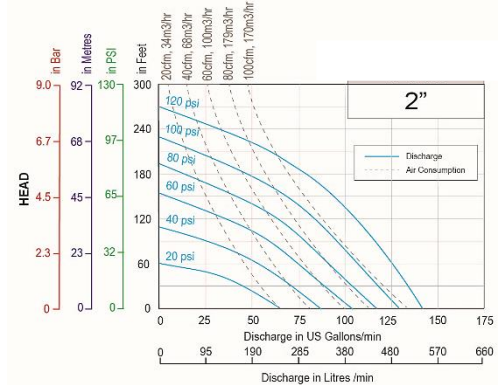
PERFORMANCE GRAPH (BUNA N/ SANTOPRENE/ NEOPRENE)



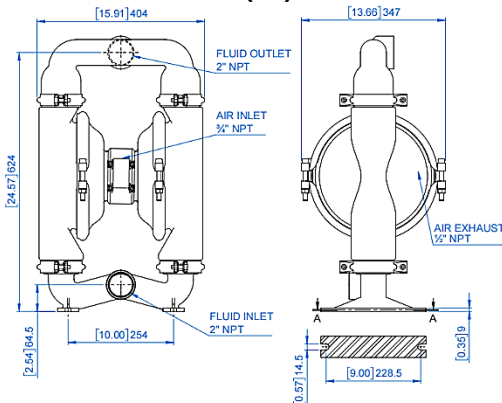
DIMENSIONAL DATA (AL) - BSPT/BSPP



PERFORMANCE GRAPH (PTFE-NEOPRENE)



DIMENSIONAL DATA (SS) - NPT // 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
Example:	TM	12	A	B	X	R
Example: DP12ABBR						
Position 1 Range		Position 2 Size	Position 3 Body	Position 4 Diaphragm/ Valve	Position 5 Back Up	Position 6 Port
DP-Classic		12 - ½"	A - Aluminium	B - Buna (Nitrile)	B - Bolted	R - NPT
		25 - 1"	S - Stainless Steel 316L	T - PTFE	C - Clamped	G - BSPT
		40 - 1-½"		S - Santoprene		P - BSPP
		50 - 2"		N - Neoprene		F - Flanged
		75 - 3"		V - Viton		
			H - Hytrel			