

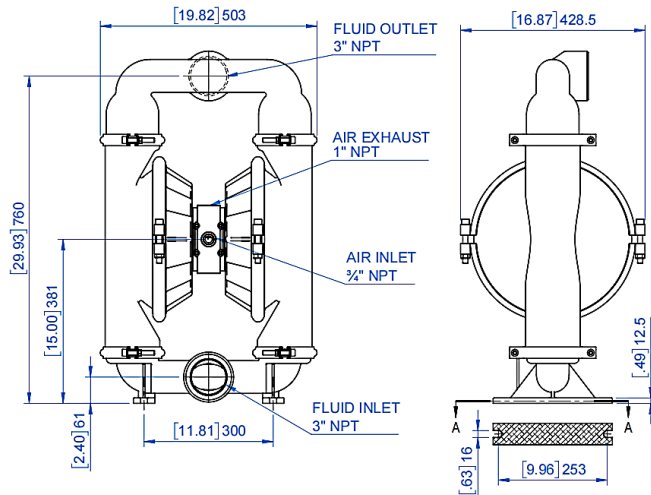


TECHNICAL DATA

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

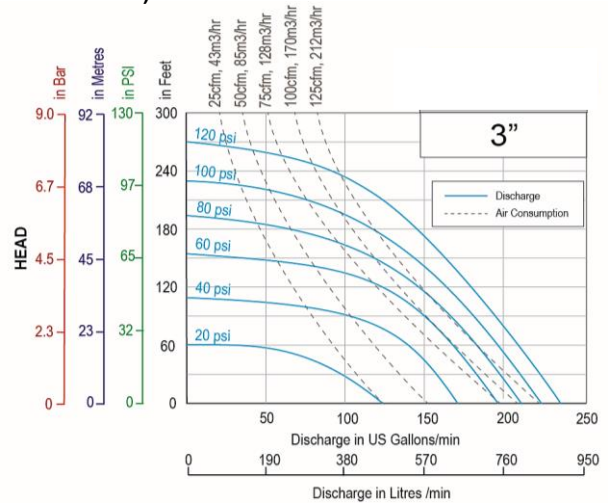
Teryair 3" Diaphragm Pump TeryMarine Aluminium

DIMENSIONAL DATA - NPT / BSPT / BSPP

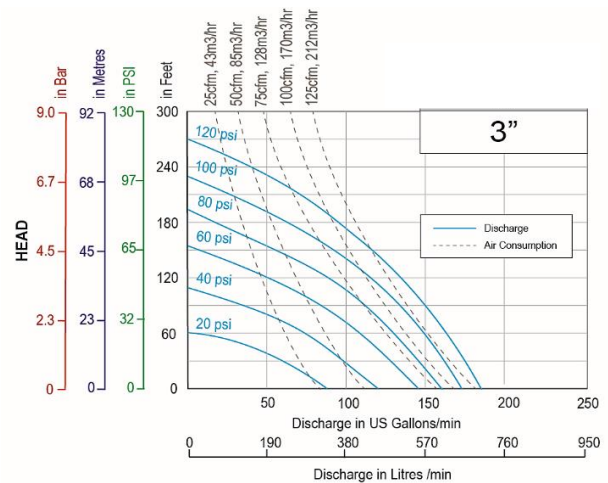


NOTE: Dimensions are shown in [inch] mm

PERFORMANCE GRAPH (BUNA N/ SANTOPRENE/ NEOPRENE)



PERFORMANCE GRAPH (PTFE-NEOPRENE)



WEIGHTS & FINISH

Pump Type	Weight	Finish
Aluminium Construction	115.7 lbs (52.5 kgs)	RAL 1004, Yellow 
Aluminium Construction, Adapter	120.1 lbs (54.5 kgs)	RAL 1004, Yellow 

MATERIAL OF CONSTRUCTION

PARTS	MOC
	Aluminium Series
Wetted Parts	Aluminium (LM6/ LM4)
Diaphragms / Balls	Buna N Neoprene Santoprene PTFE
Seals	PTFE
Ball Seats	Buna N Neoprene Santoprene Aluminium
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)	220 g.p.m. (831.6 lpm)
Maximum Flow Rate (PTFE)	176 g.p.m. (665.3 lpm)
Displacement/ Cycle@100psig (Buna/Santo/Neo)	1.33 gal. (5.0 lit)
Displacement / Cycle @ 100 psig (PTFE)	0.90 gal. (3.4 lit)
Maximum Particle Size	3/8" dia. (9.5 mm)
Wet Suction (Buna/Santo/Neo)	29.5 ft (9.0 mtr)
Wet Suction (PTFE)	26.6 ft (8.1 mtr)
Dry Suction (Buna/Santo/Neo)	17.0 ft (5.2 mtr)
Dry Suction (PTFE)	10.8 ft (3.3 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			