

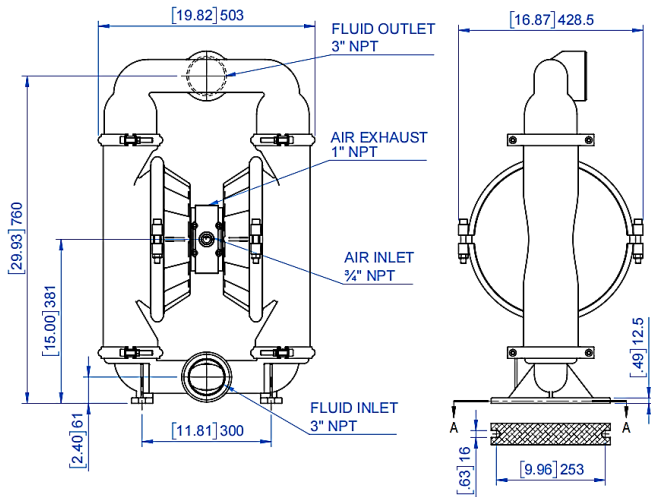


TECHNICAL DATA

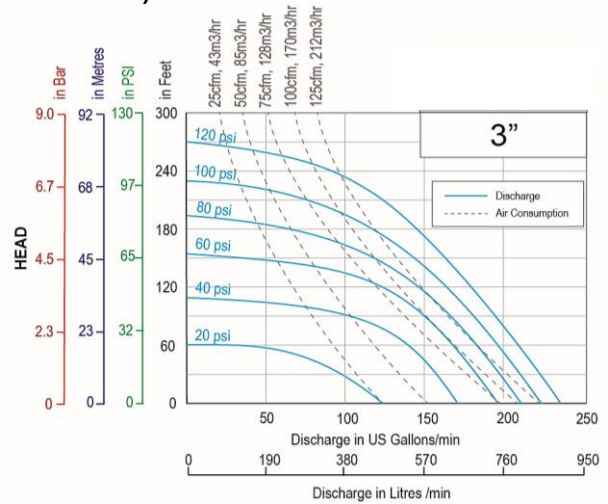
RELEASED: 16/09/2024
 REVISED:
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Teryair 3" Diaphragm Pump TeryMarine Aluminium

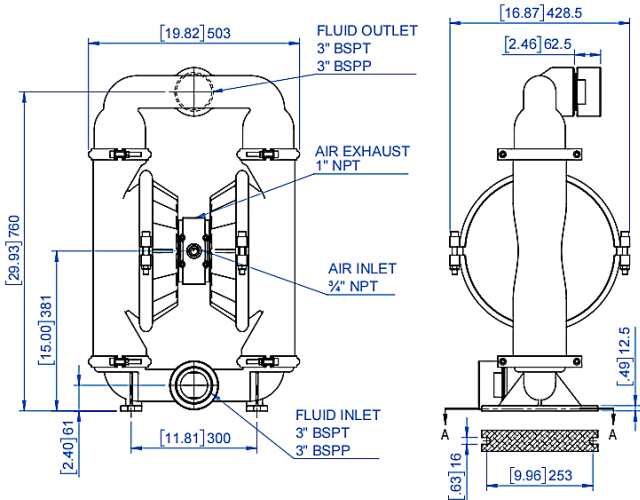
DIMENSIONAL DATA - NPT



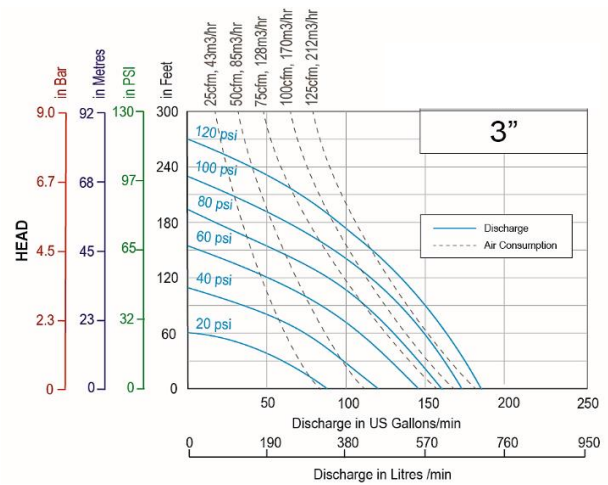
PERFORMANCE GRAPH (BUNA N/ SANTOPRENE/ NEOPRENE)



DIMENSIONAL DATA - BSPT/BSPP



PERFORMANCE GRAPH (PTFE-NEOPRENE)



NOTE: Dimensions are shown in [inch] mm

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	7	8	9	10	11
Example	TM	75	A	B	X	G	E	X	A	X	X
Example: TM75-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

TM75-ABX-RCX-AXX	TM75-ANX-RCX-AXX
TM75-ABX-GCX-AXX	TM75-ANX-GCX-AXX
TM75-ABX-PCX-AXX	TM75-ANX-PCX-AXX
TM75-ASX-RCX-AXX	TM75-ATN-RCX-AXX
TM75-ASX-GCX-AXX	TM75-ATN-GCX-AXX
TM75-ASX-PCX-AXX	TM75-ATN-PCX-AXX