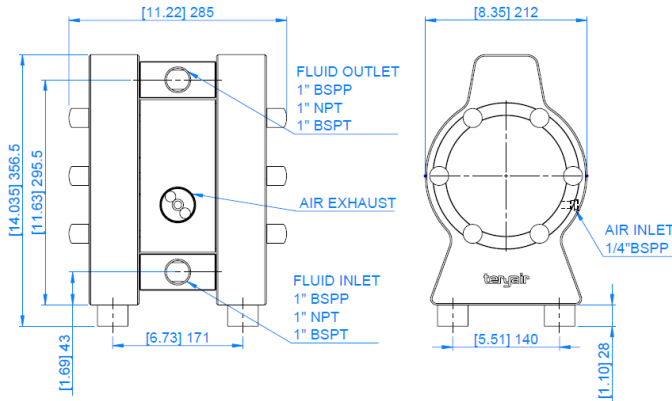


TECHNICAL DATA

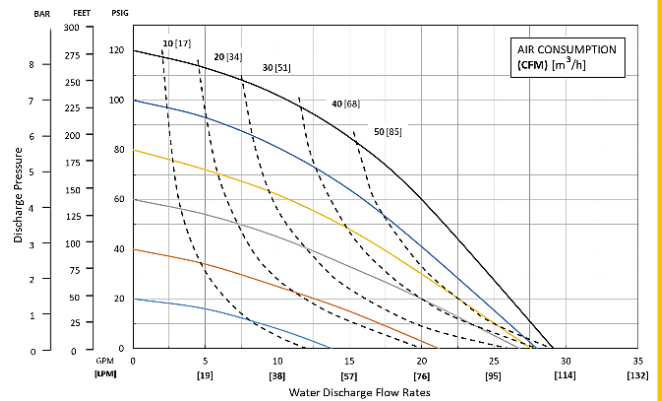
RELEASED: 11/09/2024
REVISED:
REV: 00

Teryair 1" Diaphragm Pump TeryBlock PTFE / PE

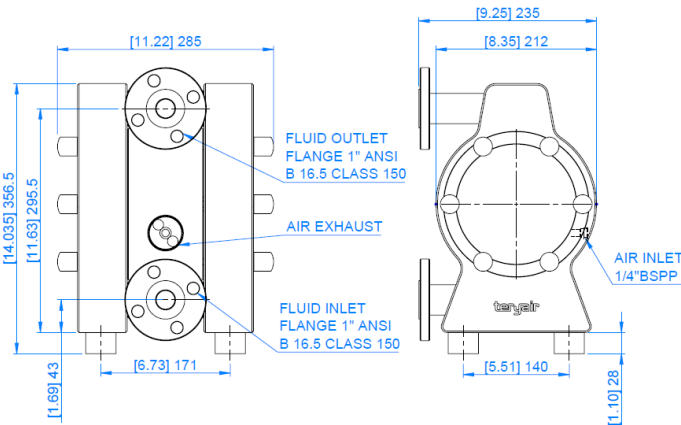
DIMENSIONAL DATA - NPT/ BSPT/BSPP



PERFORMANCE GRAPH TFM/Buna N



DIMENSIONAL DATA - FLANGED



NOTE: Dimensions are shown in [inch] mm

WEIGHTS & FINISH

Pump Type	Weight	Finish
PTFE Construction	35 lbs (16 kgs)	Natural
Conductive PTFE Construction	35 lbs (16 kgs)	Natural
PE Construction	20 lbs (9 kgs)	Natural
Conductive PE Construction	20 lbs (9 kgs)	Natural
PTFE Construction, Flanged	37.3 lbs (16.9kgs)	Natural
PE Construction, Flanged	21.8 lbs (9.9 kgs)	Natural

MATERIAL OF CONSTRUCTION

PARTS	MOC			
	PTFE Series	Conductive PTFE Series	PE Series	Conductive PTFE Series
Wetted Parts	PTFE	Conductive PTFE	PE	Conductive PE
Diaphragms	TFM Buna N			
Balls	PTFE			
Seals	PTFE Viton Encapsulated PTFE Bronze filled PTFE			
Ball Seats	PTFE	Conductive PTFE	PE	Conductive PE
Piston Sleeve	PET			
Piston	PET			
Fasteners	Stainless Steel (304)			
O Rings & Seal Rings	Bronze filled PTFE 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 (TFM Buna)	31.3 g.p.m. (118.75 lpm)
Maximum Particle Size	0.275" dia. (7.0 mm)
Wet Suction (TFM Buna)	24.9 ft (7.6 mtr)
Dry Suction (TFM Buna)	12.4 ft (3.8 mtr)

MAXIMUM TEMPERATURE LIMITS

(Diaphragm/Ball/Seat Material)

Buna N	10° to 180° F (-12 to 82° C)
PTFE	40° to 225° F (4° to 107° C)
TFM	50° to 180° F (46° to 82° C)
PE	450° to 600° F (268° to 315° C)

PUMP NOMENCLATURE

Position	1	2	3	4	5	6	7	8	9	10	11	
Example	TB	25	Z	T	I	P	C	X	A	X	X	
Example: TB25-PTI-PCX-XXX												
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	
TB - Block		15 - 1/2"	U - UHMWPE / HDPE	T - PTFE	I - Integrated Buna	G - BSPT	C - Centre Ported Swivelling, See Foot Note	P - Pulse	A - ATEX/	F - FDA / EN1935	S - Speed Controller	
		25 - 1"	Z- Conductive PE			Dampener		IECEX				
			P - PTFE					R - Remote Solenoid Driven	X - None			
			C - Conductive PTFE									X - None

MODEL NUMBERS

PTFE Pump	Conductive PTFE Pump	PE Pump	Conductive PE Pump
TB25-PTI-PCX-XXX	TB25-PCI-PCX-XXX	TB25-PTI-PCX-XXX	TB25-PZI-PCX-XXX
TB25-PTI-RCX-XXX	TB25-PCI-RCX-XXX	TB25-PTI-RCX-XXX	TB25-PZI-RCX-XXX
TB25-PTI-GCX-XXX	TB25-PCI-GCX-XXX	TB25-PTI-GCX-XXX	TB25-PZI-GCX-XXX
TB25-PTI-FCX-XXX	TB25-PCI-FCX-XXX	TB25-PTI-FCX-XXX	TB25-PZI-FCX-XXX