



# Model FT05 Non-Metallic

## AIR OPERATED DOUBLE DIAPHRAGM PUMPS

### Specifications

Suction & Discharge Size:	1/2" x 1/2"
Standard Porting Location*:	End
Connection Types:	NPT, BSP
Air Inlet & Air Exhaust Size:	1/4" FNPT x 1/2" FNPT

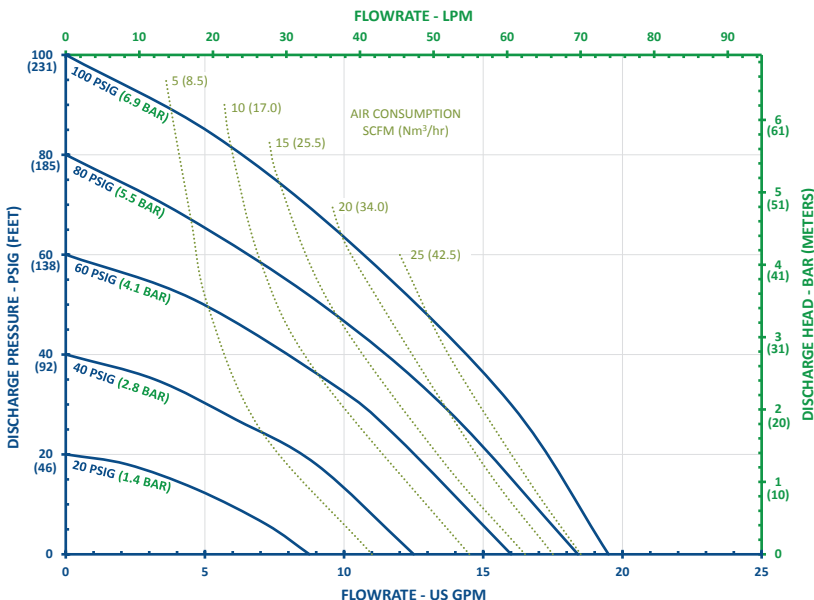
\*Optional NPT or BSP threaded center port location in either horizontal or vertical position

### Capabilities

Maximum Flow Rate:	19 gpm (72 lpm)
Maximum Air Supply Pressure:	100 psi (6.9 bar)
Displacement Per Stroke:	0.026 gal (0.10 lit)
Minimum Air Inlet Pressure:	10 psig (0.7 bar)
Maximum Particle Size :	0.19 in (4.7 mm)
Sound Pressure:	72.1 dB(A)
Operating Temperature:	Determined by elastomers



### Performance



Note: Full stroke diaphragm allows performance to be equal for all elastomers.

### Typical Applications

- Acids & Bases
- Plating Solutions
- Wastewater
- Paints, Inks, Solvents
- Ceramic Slip and Glaze
- Lubricants and Oils

### Typical Industries

- Mining
- Paints and Coatings
- Ceramics
- Pulp and Paper
- Electroplating & Anodizing
- Wastewater
- Marine
- Chemical Manufacturing & Distribution
- OEM's

## Construction

Wetted Materials:	Polypropylene, PVDF, Conductive Polypropylene
Diaphragm Materials:	Neoprene, Santoprene™, FKM, EPDM, PTFE, Buna, Hytrel®, Polyurethane
Air Valve:	GFRPP, Aluminum, Conductive Acetal
Ball Materials:	Neoprene, Buna, EPDM, FKM, Santoprene™, PTFE, 316SS
Seat Materials:	Polypropylene, PVDF
O-ring Materials:	Buna, FKM, Santoprene™, Polyurethane, FEP/FKM

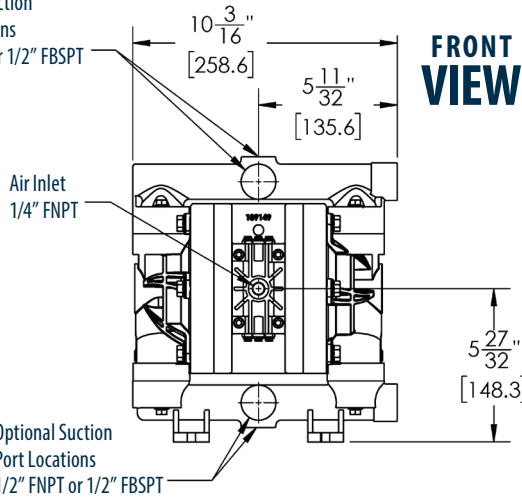
Santoprene™ is a registered trademark of Exxon Mobil Corp.  
Hytrel® is a registered trademark of Dupont™

Pat. <http://ftiair.com/resources/ip/>

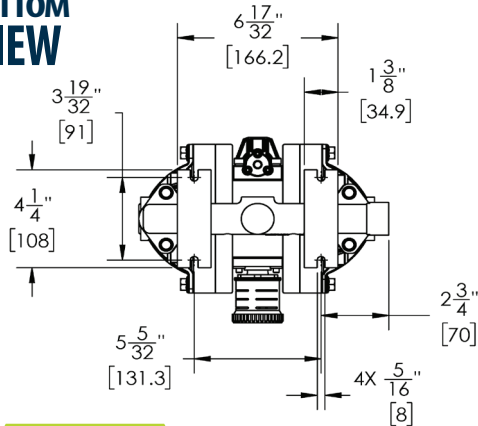
### Optional Suction

#### Port Locations

1/2" FNPT or 1/2" FBSPT



### BOTTOM VIEW



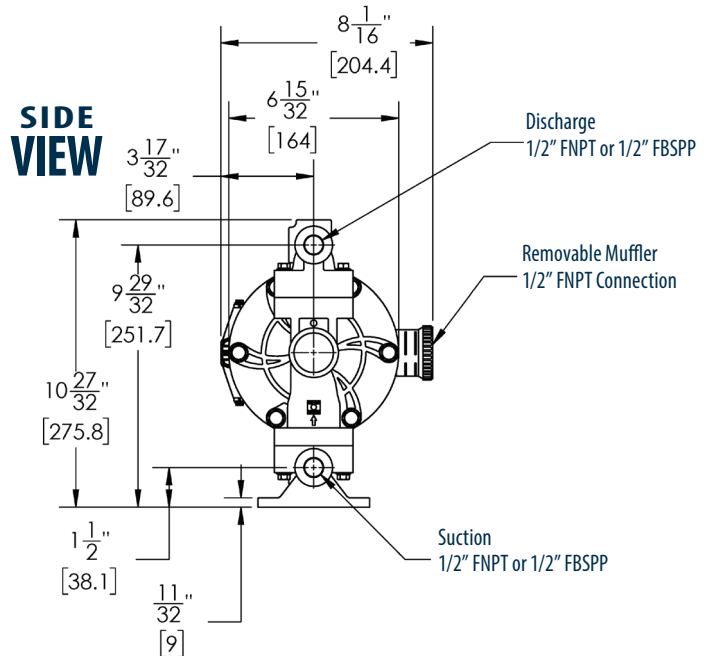
# CHANGE IS IN THE AIR

## Dimensions

Maximum Height:	10-27/32 in (276 mm)
Maximum Width:	10-3/16 in (259 mm)
Maximum Depth:	8-1/16 in (204 mm)

## Weight

Polypropylene:	8.3 lb (3.8 kg)
PVDF:	11.9 lb (5.4 kg)



### FTI AIR

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