



# Model FT10 Non-Metallic

## AIR OPERATED DOUBLE DIAPHRAGM PUMPS

### Specifications

|                               |                       |
|-------------------------------|-----------------------|
| Suction & Discharge Size:     | 1" x 1"               |
| Standard Porting Location*:   | End                   |
| Connection Type*:             | ANSI/DIN/ISO flange   |
| Air Inlet & Air Exhaust Size: | 1/2" FNPT x 1/2" FNPT |

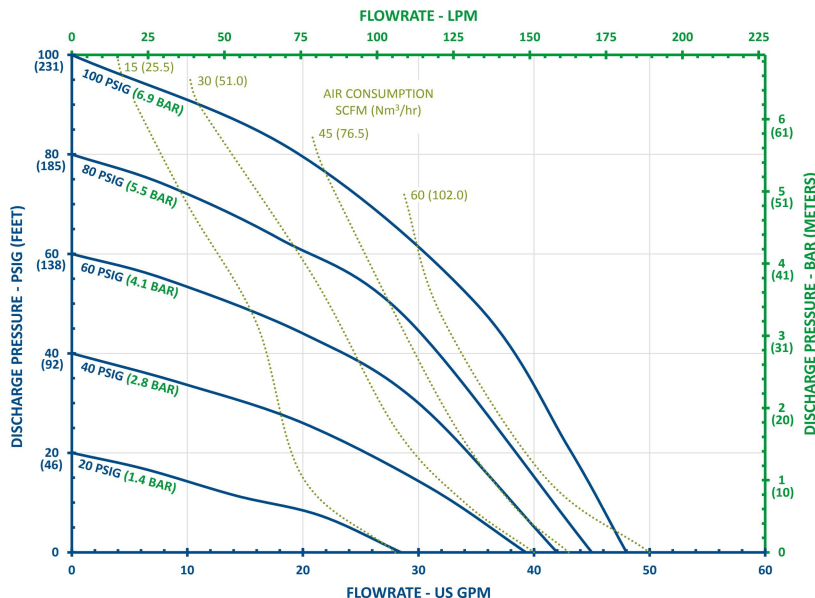
\*Optional NPT or BSP threaded center port location in either horizontal or vertical position

### Capabilities

|                              |                          |
|------------------------------|--------------------------|
| Maximum Flow Rate:           | 49 gpm (185 lpm)         |
| Maximum Air Supply Pressure: | 100 psi (6.9 bar)        |
| Displacement Per Stroke:     | 0.084 gal (0.32 lit)     |
| Minimum Air Inlet Pressure:  | 10 psig (0.7 bar)        |
| Maximum Particle Size :      | 0.25 in (6.4 mm)         |
| Sound Pressure:              | 73.6 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                                                 |
| Diaphragm Materials: | Neoprene, Santoprene™, FKM, EPDM, PTFE, Buna, Hytrel®, Polyurethane |
| Air Valve:           | GFRPP, Aluminum                                                     |
| 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 tradename of Exxon Mobil Corp.  
Hytrel® is a registered tradename of Dupont™

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

Optional Discharge  
Port Locations  
1" FNPT or 1" FBSPT

Air Inlet  
1/2" FNPT

Optional Suction  
Port Locations  
1" FNPT or 1" FBSPT

**FRONT  
VIEW**

**BOTTOM  
VIEW**

# CHANGE IS IN THE AIR

## Dimensions

|                 |                      |
|-----------------|----------------------|
| Maximum Height: | 17-7/8 in (454 mm)   |
| Maximum Width:  | 16-13/16 in (427 mm) |
| Maximum Depth:  | 10-11/16 in (271 mm) |

## Weight

|                |                   |
|----------------|-------------------|
| Polypropylene: | 24.0 lb (10.9 kg) |
| PVDF:          | 34.1 lb (15.5 kg) |

**SIDE  
VIEW**

Discharge  
1" ANSI/DIN/ISO Flange

Removable Muffler  
1/2" FNPT Connection

Suction  
1" ANSI/DIN/ISO Flange

**FTI AIR**

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