

FiberFlo T Pleated Filters

Polytetrafluoroethylene (PTFE)

Pleated Cartridge Filters

FiberFlo PTFE cartridge filters provide microfilter users with reliable flow rates, chemical compatibility, economical filtration, and solvent compatibility. Containing 7.0 square feet of expanded PTFE membrane, FiberFlo PTFE Filters offer users a highly efficient hydrophobic “barrier”, ensuring low moisture content of ultrapure gasses. Additionally, it will ensure filtration performance in the purification of aggressive liquids and organic solvents. Each FiberFlo PTFE cartridge filter is manufactured under QSR; representative samples from each manufacturing lot are tested for integrity to ensure consistent performance.



Standard Features

- Reliable liquid flow rates
- Dependable air flow rates
- Broad chemical compatibility
- Broad range of pore size options
- Superior hydrophobicity
- Economical filtration

Applications

- Photoresists
- Compressed gas
- Electronic grade solvents
- Pharmaceutical and intermediate solvents
- Hot deionized water
- Tank vents

Flow Rates

The following table represents typical water flow at a one psi (69 mbar) pressure differential across a single 10-inch cartridge element. The test fluid is water at ambient temperature. Extrapolation for housings with multiple elements and higher pressure drops is acceptable, but as flows increase the pressure drop of the housing becomes more apparent.

| Typical Flow Rate | | | | |
|------------------------|--------------------|--------------------|--------------------|-------------------|
| Pore Size | 0.1 μm | 0.22 μm | 0.45 μm | 1.0 μm |
| GPM | 1.25 | 2.8 | 5.7 | 18.0 |
| SCFM | > 26 | > 42 | > 68 | > 85 |
| Pore Size Rating (Gas) | 0.01 μm | 0.02 μm | 0.05 μm | 0.1 μm |

Technical Data

| FiberFlo PTFE Pleated Cartridge Specifications | |
|--|--------------------------------|
| Materials of Construction | |
| Membrane: | PTFE |
| Support Layers: | Polypropylene |
| Cartridge Hardware: | Polypropylene |
| Maximum Operating Pressure | |
| Forward: | 50 psi (3.4 bar) @ 68°F (20°C) |
| Reverse: | 40 psi (2.7 bar) @ 68°F (20°C) |
| Chemical Compatibility | |
| Compatible with most semiconductor grade solvents and other chemicals. | |

| End Fitting Options: | | |
|----------------------|--|----------------|
| FiberFlo Codes | Description | Std. Reference |
| A | Single open-end, 222 o-ring, flat bottom | Code 3 |
| B | Single open-end, 222 o-ring, with fin | Code 8 |
| C | Single open-end, 226 o-ring, with fin | Code 7 |

| Nomenclature Format - FPT-02-30-C | | | | | | |
|-----------------------------------|---------------|-----------|--------------|-----------|------------------|-------------------|
| FPT | - | 02 | - | 30 | - | C |
| FiberFlo | Micron Rating | | Length | | End Fitting Code | (See table above) |
| PTFE | 005 - 0.05 µm | | 10 - 10 inch | | | |
| Pleated | 01 - 0.1 µm | | 20 - 20 inch | | | |
| Cartidge | 02 - 0.2 µm | | 30 - 30 inch | | | |
| | 045 - 0.45 µm | | 40 - 40 inch | | | |
| | 1 - 1.0 µm | | | | | |



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