

FiberFlo™ “T” Teflon® Pleated Cartridge Filters with Polypropylene Supports

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

Microfiltration

FiberFlo Teflon cartridge filters provide microfilter users with:

- Reliable flow rates
- Chemical compatibility
- Economical filtration
- Solvent compatibility

Containing 8.0 square feet of expanded PTFE membrane, FiberFlo Teflon 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 Teflon cartridge filter is manufactured and integrity tested in a certified Class 10,000 cleanroom to assure consistent performance and quality.

Applications

- Photoresists
- Compressed Gas
- Electronic Grade Solvents
- Pharmaceutical and Intermediate Solvents
- Hot Deionized Water
- Tank Vents

Materials of Construction

Membrane:PTFE
 Support Layers:Polypropylene
 Cartridge Hardware:Polypropylene

Maximum Operating Pressure

Forward: 80 psid (5.5 bar) @ 75°F (24°C)
 Reverse: 50 psid (3.8 bar) @ 75°F (24°C)

Chemical Compatibility

Compatible with most semiconductor grade solvents and other chemicals.

Integrity Test Values

MICRON PORE SIZE	100% IPA BUBBLE POINT	
	µm	psig bar
0.05	30	2.1
0.1	22	1.5
0.2	15	1.0
0.45	9	0.6
1.0	6	0.4

All components are thermally bonded to assure integrity and to reduce extractables.



Specifications

Typical Air Flow Rates

- 0.05 µm - 22 scfm/psid (9.0 slpm/mbar)
- 0.1 µm - 29 scfm/psid (11.9 slpm/mbar)
- 0.2 µm - 47 scfm/psid (19.3 slpm/mbar)
- 0.45 µm - 73 scfm/psid (29.9 slpm/mbar)
- 1.0 µm - 94 scfm/psid (38.5 slpm/mbar)

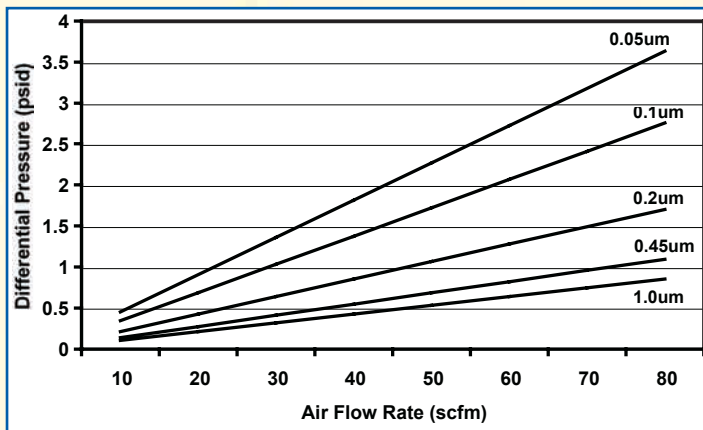
Typical Water Flow Rates*

- 0.05 µm - 1.0 gpm/psid (55 lpm/bar)
- 0.1 µm - 1.25 gpm/psid (69 lpm/bar)
- 0.2 µm - 2.8 gpm/psid (154 lpm/bar)
- 0.45 µm - 5.7 gpm/psid (313 lpm/bar)
- 1.0 µm - 9.0 gpm/psid (494 lpm/bar)

* For fluids with a viscosity of 1 cp per 10" (25 cm) cartridge equivalent.

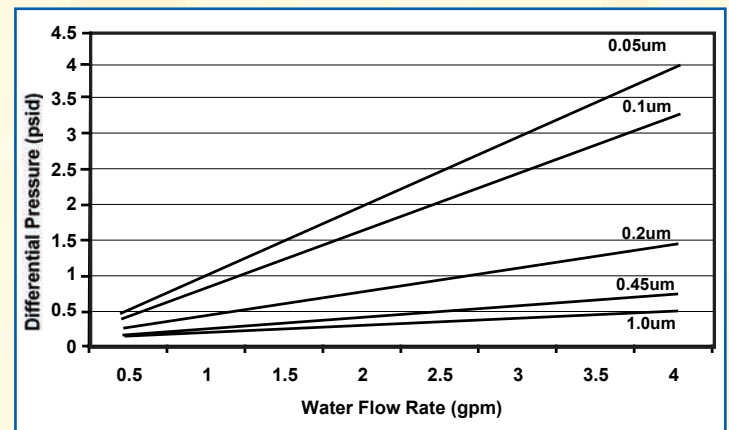
Typical Air Flow Rate Curves

(per 10 inch [25 cm] cartridge)



Typical Water Flow Rate Curves

(per 10 inch [25 cm] cartridge)



How to determine ordering codes:

FPT - 02 - 30 - C

FiberFlo	Micron Rating	Length	End Fitting Code
Teflon	005 - 0.05 µm	10 - 10 inch	(See table)
Pleated Cartridge	01 - 0.1 µm	20 - 20 inch	
	02 - 0.2 µm	30 - 30 inch	
	045 - 0.45 µm	40 - 40 inch	
	1 - 1.0 µm		

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

Call: (800) 328-3370
www.minntech.com

Teflon® is a registered trademark of E.I. DuPont.



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