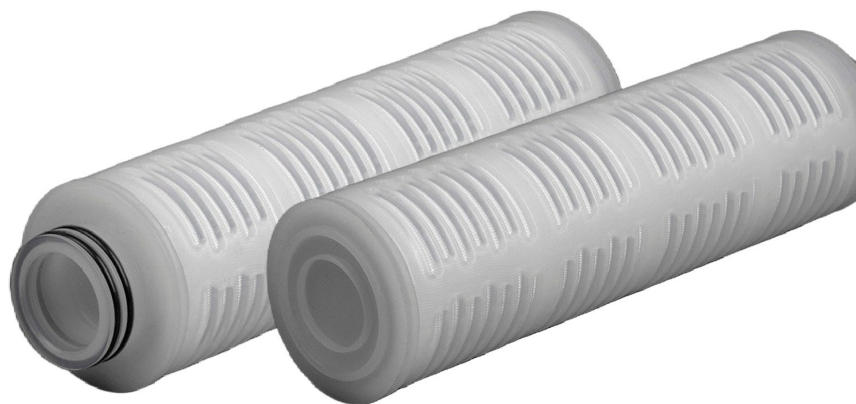
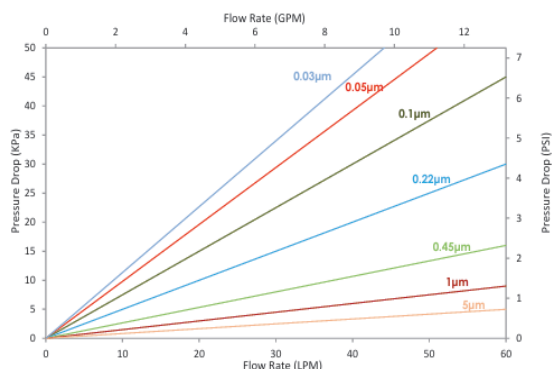


GPFA-Series Pleated All-Fluoropolymer PTFE/PFA

GPFA-Series High Purity All-Fluoropolymer Filter Cartridges provide superior chemical compatibility, temperature range, and ultra-low extractables for the most demanding needs of the microelectronics industry. Ideal for aggressive "wet-etch and clean" applications. The PTFE membrane offers high flow-rates at low pressure drop, while the PFA hardware exhibits superior chemical resistance and high temperature tolerance. Minimized ionic and TOC extractables are attained through a specialized UPW flush process. Wet-packing option is available for ease of wetting in aqueous applications. Available in the full range of micron ratings to suit all applications. Efficiency: 99.98%.



Flow Rate vs Pressure Drop



Dimensions

Length:

5 to 40 inches (10.1 to 101.6 cm) nominal

Outside Diameter:

6.9 cm nominal

Typical Applications

Highly Reactive Chemicals

- Acetic Acid (10%)
- Hydrofluoric Acid (50%)
- Hydrogen Peroxide (30%)
- Nitric Acid (conc.)
- Phosphoric Acid (conc.)
- Sulfuric Acid (cavonc.)
- Ammonium Hydroxide (conc.)
- Potassium Hydroxide (conc.)
- Sodium Hydroxide (conc.)
- TMAH (5%)
- Aqua Regia (HNO₃:HCl)
- BOE; NH₄F:HF
- Mixed Acid Etch
- ChromPhos Etch
- Piranha Etch
- Organic solvent with temperature

Construction Materials

Filtration Media.....PTFE
Support Media.....PFA/PTFE
End Caps.....PFA
Center Core.....PFA
Outer Support Cage.....PFA
O-Ring.....FEP FKM

Operating Conditions

Change Out ΔP (recommended).....2.4 bar
Temperature (max)160°C
Differential Pressure (max)4.1 bar at 20°C

Cleanliness

The Semiconductor Rinse (SR) option delivers extraordinary product cleanliness at these typical levels.

Ordering Information

GPFA	Rating (µ)	A	Length	C	End Cap Style	O-Rings	Options
	0.05		5" (222/flat only)		3 = 222 w/Fin	T = FEP FKM	SR = Semiconductor Rinse
	0.1		10" (25.4 cm)		4 = 222 w/Flat Cap		W = Wet Packed
	0.2		20" (50.8 cm)		6 = 226 w/Flat Cap		
	0.45		30" (76.2 cm)		7 = 226 w/Fin		
	1.0		40" (101.6 cm)		24 = 222 w/Hat Cap		
	5.0						
	10.0						

DISCLAIMER: Filtration data presented is representative of performance observed in controlled laboratory testing. It is not given as a warranty, specification or statement of fitness for use. Specific performance can vary widely depending on contaminant type, fluid properties, flow rates and environmental conditions. It is recommended that users conduct thorough qualification testing to assure the product functions as required.

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