

Poly-Fluoro Pleated Filter Cartridge with PTFE Membrane

The Poly-Fluoro membrane pleated filter is made of poly tetrafluoroethylene (PTFE). PTFE are characterized by high chemical inertness. The Poly-Fluoro pleated filter cartridge are widely use for filtering the strong acid and base solutions that are used in wet etching, solvent stripping, and cleaning manufacturing processes of semiconductor factory. The membrane has about 80~95% porosity, and the uniform pore size distribution. Moreover, the filtration area of each cartridge is as high as 0.9m² (0.67~0.8 m² for equivalent products of imported brands). Therefore, Poly-Fluoro PTFE membrane pleated cartridge filter has high flow rate, low pressure drop, and long-life service.



Features & Benefits

- PTFE membrane has excellent chemical resistance.
- 80~95% porosity.
- 0.9m² of filtration area, low pressure drop, and high flow rate.
- Manufactured in clean room, highly clean cartridge.
- Pre-flush with 18 Megohm-cm DI water, TOC content is lower than 40 ppb.
- Integrity test is available.
- End caps and connectors are sealed by thermal bond, free binder.

Operation conditions

- Maximum operating forward pressure drop :
 - 95°C : 1.4 kg/cm²
 - 20°C : 5.6 kg/cm²
- Maximum operating temperature : 95°C

Applications for product

- Filtration of strong acid, base solutions, solvent and DI water under 80°C which are used in wet etching, solvent stripping, and cleaning manufacturing processes of semiconductor factory.
- Filtration of strong acid, base solutions, and DI water under 80°C which are used in wet etching, solvent stripping, and cleaning manufacturing processes of LCD factory.
- Filtration of CD-R and DVD-R factory.
- Terminal fine filtration of DI water system.
- Filtration of chemical delivery system for special photoelectrochemical.

Product specifications

- Pore size : 0.05, 0.1, 0.2, 0.45, 1 micron
- Membrane : PTFE (Polytetrafluoroethylene) membrane
- Support : PP
- End Cap & Core : High Strength PP
- O-ring Material : EPDM, Buna N, Silicone, Viton, Viton encapsulated PFA
- Filtration Area : 0.9m²
- Length : 10", 20", 30", 40"
- Inner Diameter : 28 mm
- Outer Diameter : 69 mm

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Efficiency of filtration

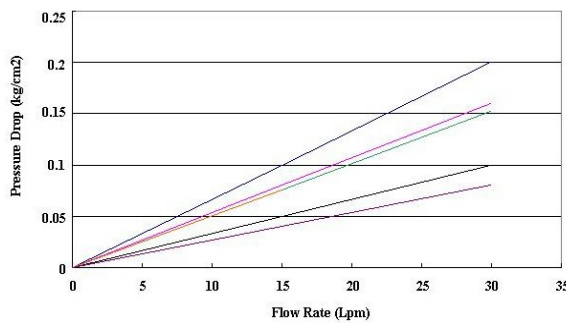
Spec.	Integrity Test		
	Pore Size	Bubble Point	Diffusion Rate
CWF005	0.05 micron	>18psi	<40 cc/min at 15.7 psi
CWF010	0.1micron	>14psi	<20 cc/min at 11.2 psi
CWF020	0.2micron	>12psi	<20 cc/min at 9.6 psi
CWF045	0.45micron	>8psi	<52cc/min at 6.4 psi
CWF100	1.0micron	----	-----

*IPA : Water = 60:40

Suggested equivalent products

- Millipore Fluorogard Plus
- Millipore Durapore TPE
- Pall Emflon Filter
- Pall Super Etch
- Pall Ulti Etch
- Pall Fluorodyne Filter
- Pall Posidyne Filter
- Pall Ultipor N66
- PTI ProFlow II Eletronics
- PTI Clariflow Eletronics
- PTI Clariflow Water
- PTI PolyFlow
- PTI ChemFlow PE
- Memtec Vara fine VFTR
- CUNO Zetapor
- CUNO MicroFluoro
- Filterite Poly-Fine II
- 0.2micron
- Filterite Chem Fine TR
- Filterite Asymmetrix Sigma
- Filterite Asymmetrix Sigma+
- Filterite Asymmetrix Omega
- Filterite Asymmetrix Versa

Initial pressure drop



Ordering Information

