

Poly-Fluoro Pleated Filter Cartridge with Hydrophobic or Hydrophilic PTFE Membrane

The Poly-Fluoro membrane pleated filter is made of Hydrophobic or Hydrophilic Polytetrafluoroethylene (PTFE). PTFE are characterized by high chemical inertness. The Poly-Fluoro pleated filter cartridges are widely used to filtrate 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 0.8 m² (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

- Available in Hydrophobic (CWF) and Hydrophilic (CWP) PTFE membranes.
- Low pressure drop, and high flow rate.
- End caps and connectors are sealed by thermal bond, free of binder.
- Manufactured in clean room, highly clean cartridge.
- Pre-flush with 18 Megohm-cm DI water.
- PTFE membrane has excellent chemical resistance.
- Integrity test is available.
- Certificated by FDA
- In compliance with the latest EC Directive for food contact.

► Operation conditions

- Maximum operating forward pressure:
90°C: 1.4 kg/cm²
20°C: 5.6 kg/cm²
- Maximum operating temperature: 90°C

► Applications of products

- 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.
- Filtration of chemical delivery system for special photoelectrochemical.

► Product specifications

Pore Size: 0.1, 0.2, 0.45, 1, 5, 10 micron

Membrane: Hydrophobic (CWF) or Hydrophilic (CWP) PTFE (Polytetrafluoroethylene)

membrane Support: PP

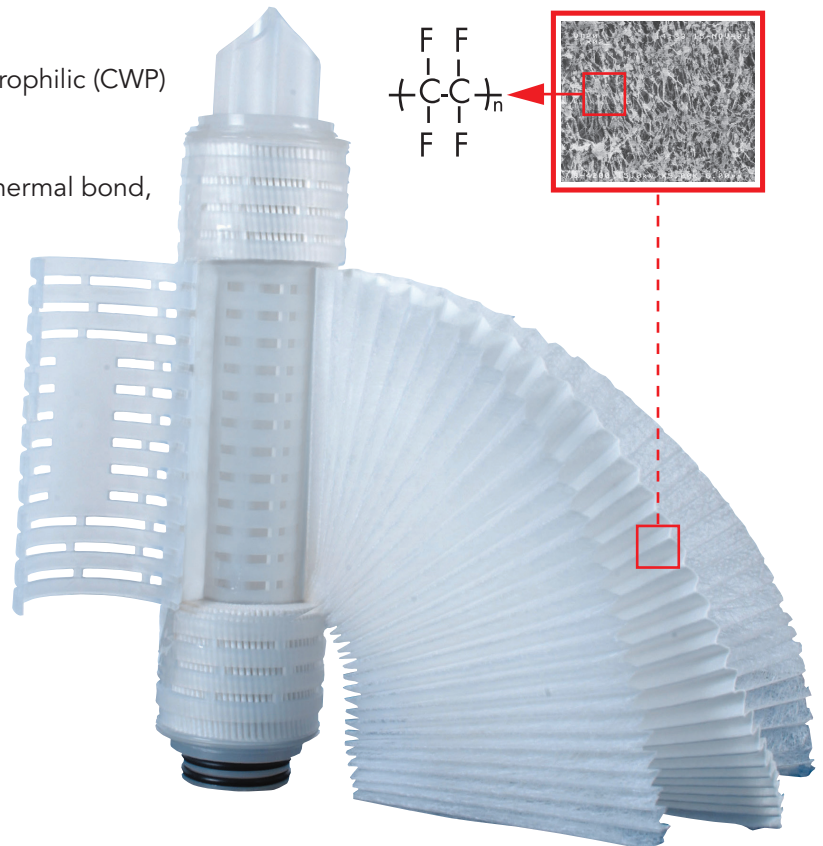
Core & End Cap: High Strength PP(OD:69mm, 64mm); HDPE(OD:80mm)
(Stainless Steel insert end cap is available for PP cage)

O-ring Material: EPDM, Buna N, Silicone, Viton, PFA encapsulated Viton

Filtration Area: Poly Fluoro CWF/CWP = 0.8 m² /10" Extra Poly Fluoro E-CWF/E-CWP = 0.9 m² /10"

Length: 10", 20", 30", 40"

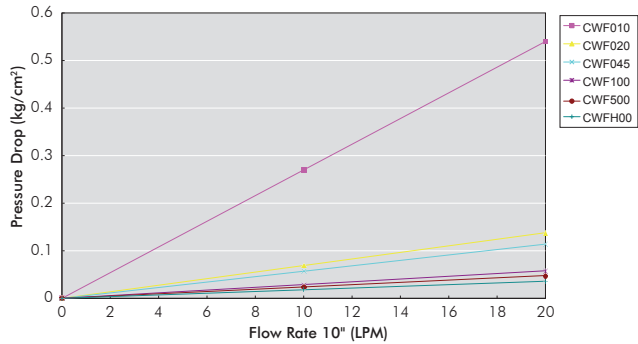
Outer Diameter: CWF/CWP = 69mm; E-CWF/E-CWP = 80mm; N-CWF/N-CWP = 64mm



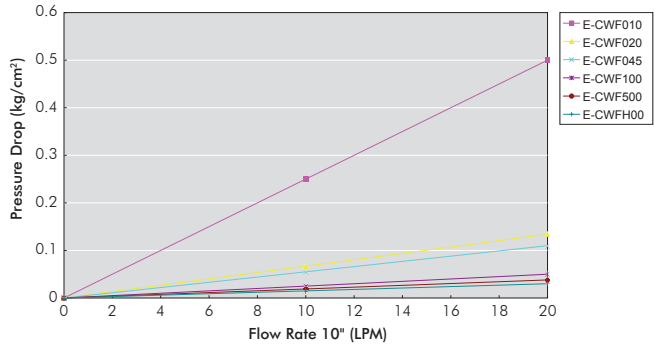
Pleated Filter with Membrane

Polytetrafluoroethylene (PTFE)

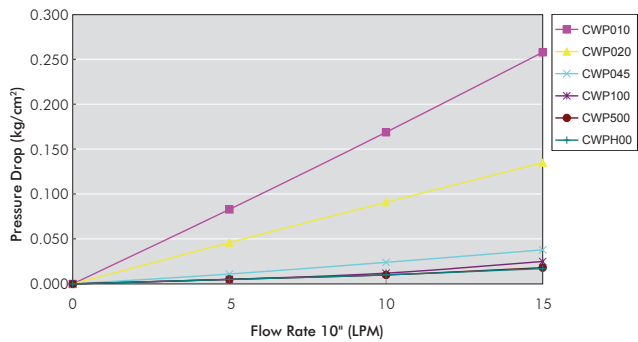
CWF Initial Pressure Drop



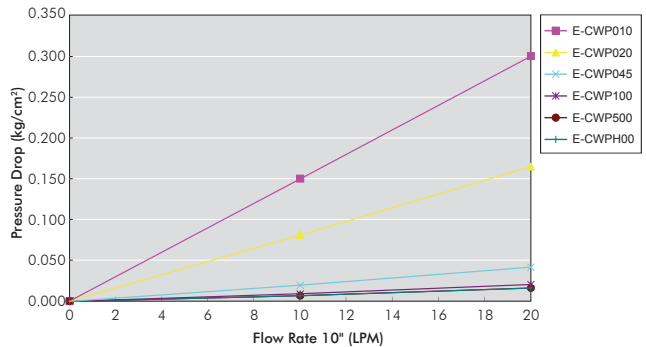
E-CWF Initial Pressure Drop



CWP Initial Pressure Drop



E-CWP Initial Pressure Drop



Suggested equivalent products

- Entegris
- Fluorogard Plus
- 3M
- MicroFluoro
- Pall
- Emflon Filter
- Pall
- Chem Fine TR

Ordering Information

