Feature-Tec’s EGCPT pleated membrane filter cartridges are made with a hydrophobic polytetrafluoroethylene (PTFE) membrane with additional polypropylene support layers and components. PTFE membrane cartridge is ideal as gas and vent filtration.

Applications
- Gas / vent filtration
- Final filtration of solvents
- Photoresists
- Sterile filtration
- Spirits
- Alkaline solutions
- Fermentation air
- Strong acids & bases and many more

Features and benefits
- Absolute removal ratings >99.9%
- Hydrophobic pleated polytetrafluoroethylene (PTFE) membrane
- Excellent chemical resistance
- Low initial differential pressure, high flow rates and long service life
- Flushed with 18 MΩ-cm DI-water for 30 minutes at 7.57 l/min (2 gpm) with low TOC level
- Filter cartridges may be autoclaved for at least 10 times half-hour cycles @ 121 °C (250 °F)
- According to FDA requirements title 21
- Available in a wide variety of adapter/end cap configurations
- Filtration area >0.71 m² per 10" filter element

Filter specifications
- Material
  Pleated hydrophobic polytetrafluoroethylene (PTFE) membrane
  Inner core, cage, caps, support layer
  Polypropylene
- O-rings / Gaskets
  Buna N, Silicone, EPDM, Viton, FEP/Silicone, FEP/Viton, PTFE
- Retention ratings
  0.003, 0.01, 0.05, 0.1, 0.22, 0.45, 1 μm

Dimensions / Parameters
- Nominal lengths
  10", 20", 30", 40" (254, 508, 762, 1016 mm)
- Outside diameter
  63 mm (2.48’’)
- Inside diameter
  28 mm (1.1’’)
- Maximum operating temperature
  93 °C (200 °F)
- Max. differential pressures
  1.37 bar @ 93 °C (19.9 psid @ 200 °F)
  5.49 bar @ 21 °C (79.7 psid @ 70 °F)
- Recommended change-out pressure drop for disposal
  2.1 bar @ 21 °C (30.5 psid @ 70 °F)
- Bubble point integrity test
  (absolute ethanol, 20°C)
  0.1 μm: ≥1.4 bar
  0.22 μm: ≥1.0 bar
  0.45 μm: ≥0.5 bar

www.feature-tec.com
**Ordering information**

**Nominal lengths**
- 10: 10" (254 mm)
- 20: 20" (508 mm)
- 30: 30" (762 mm)
- 40: 40" (1016 mm)

**O-rings / Gaskets**
- B: Buna N
- S: Silicone
- E: EPDM
- V: Viton
- C: FEP/Viton*
- D: FEP/Silicone*
- T: PTFE
  * O-rings only

**Retention ratings**
- G: 0.003 μm (for gas)
- H: 0.01 μm
- A: 0.05 μm
- B: 0.1 μm
- C: 0.22 μm
- D: 0.45 μm
- F: 1 μm

**Filter series**
EGCPT: Pleated hydrophobic PTFE

**End configurations**
- A: 222 Flat, Single Open End (Stainless steel reinforced)*
- B: 222 Fin, Single Open End (Stainless steel reinforced)*
- C: 226 Flat, Single Open End (Stainless steel reinforced)*
- 2: 226 Flat, Single Open End
- 3: 222 Flat, Single Open End
- 4: 226 Fin, Single Open End
- 5: 226 Fin, Single Open End (Stainless steel reinforced)*
- 6: 222 Fin, Single Open End
  * For autoclave requirements

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* Test conditions: System pressure at <10 psig (vent), 65°F (18 °C)

* Test conditions: System pressure at 30 psig, 65°F (18 °C)