FluoroClear Cartridges are designed for highly aggressive wet-etch and cleaning applications. FluoroClear cartridges are constructed with 100% fluorocarbon materials, providing broad chemical compatibility and temperature resistance. The PTFE membrane delivers high flow rates and high purity effluent at low pressure drops. Cartridges are available as flushed & dried or as well-packed (High Purity DI water/hydrogen peroxide solution). FluoroClear cartridges are manufactured in a cleanroom environment to ensure product cleanliness.

**Flow Rate vs Pressure Drop**

- **Construction Materials**
  - Membrane: PTFE
  - Support Media: ECTFE
  - End Caps: ECTFE
  - Center Core: ECTFE
  - Outer Support Cage: ECTFE
  - O-Rings/Gaskets: Teflon® Encapsulated Viton®

- **Sanitization/Sterilization**
  FluoroClear cartridges may be sanitized using compatible chemical agents. FluoroClear cartridges may not be autoclaved or steam sterilized.

- **Integrity Testing**
  - 0.05 µ ≤ 5 cc/min at 40 psig (2.76 bar)
  - 0.1 µ ≤ 5 cc/min at 40 psig (2.76 bar)
  - 0.2 µ ≤ 5 cc/min at 30 psig (2.07 bar)
  - 0.45 µ ≤ 5 cc/min at 20 psig (1.38 bar)
  - 1 µ ≤ 5 cc/min at 15 psig (1.38 bar)

- **Toxicity**
  All components meet the specifications for biological safety per USP Class VI – 121°C for plastics.

- **Dimensions**
  - Length: 10 to 40 inches (25.4 to 101.6 cm) nominal
  - Outside Diameter: 2.70 inches (7.0 cm) nominal
  - Maximum Recommended Operating Conditions
    - Temperature: 215°F (102°C)
    - Maximum Differential Pressures
      - Forward: 60 PSI (4.14 bar) at 70°C (21°C)
      - Reverse: 30 PSI (2.07 bar) at 70°C (21°C)

- **Food Safety Compliance**
  Materials of construction comply with FDA regulations for food and beverage contact use as detailed in the US Code of Federal Regulations, 21CFR. Materials used to produce filter media and hardware are deemed safe for use in contact with foodstuffs in accordance with EU Directives 2002/72/EC, 1935/2004, and/or 10/2011.