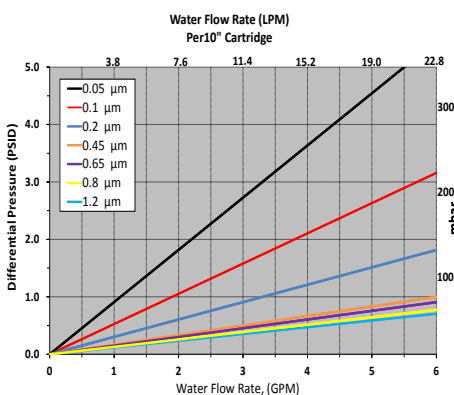


Hydrophilic Polysulfone Membrane

Cartridges are an exceptional choice for ultra high purity water and aqueous fluid applications. GHPS series cartridges offer extremely high flowrates and service-life while filtering to 0.05-1.2µm. GHPS cartridges are constructed using high purity polypropylene support materials and hardware and assembled using the latest thermal-bonding equipment. This results in an exceptionally clean cartridge that rinses to 18 MΩ with minimal throughput. The Extended Area option (GHPSX) offers up to 40% more surface area. This additional area results in significant increases in flowrate and loading capacity in the same footprint.

Flow Rate vs Pressure Drop



*Data represents GHPS. For GHPSX option, multiply given flowrate by 1.4.

Typical Applications

- Deionized Water Systems
- General-Use Water Filtration
- Liquid Clarification
- Recirculating Fluids
- Chemical Filtration

Ordering Information

| GHPS | Rating (µ) | A | Length | C | End Cap Style | O-Rings/Gaskets | - | Adders |
|-------|------------|---|----------------|---|--------------------------|-----------------------------------|---|-------------------------------|
| GHPSX | 0.05 | | 10" (25.4 cm) | | 2 = DOE Flat Gasket | B = Buna | | I = Stainless Steel Insert |
| | 0.1 | | 20" (50.8 cm) | | 3 = 222 w/ Fin | E = EPDM | | HP = Heavy Poly Core |
| | 0.2 | | 30" (76.2 cm) | | 4 = 222 w/ Flat Cap | S = Silicone | | R = 18 Megohm Rinse |
| | 0.45 | | 40" (101.6 cm) | | 6 = 226 w/ Flat Cap | V = Viton® | | CS = 316ss Compression Spring |
| | 0.65 | | | | 7 = 226 w/ Fin | T = Teflon® Encapsulated Viton® | | |
| | 0.8 | | | | 16 = 213 Internal O-Ring | Z = Teflon® Encapsulated Silicone | | |
| | 1.2 | | | | | | | |

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.



Construction Materials

Membrane Polysulfone
Support Media Polypropylene
End Caps Polypropylene
Center Core Polypropylene
Outer Support Cage Polypropylene
O-Rings/Gaskets Buna, EPDM, Silicone, Viton®, Teflon® Encapsulated Viton®

Sanitization/Sterilization

Filtered Hot Water 80°C for 30 min.
Steam Sterilization 121°C for 30 min., multiple cycles

Chemicals: Cartridges are chemically compatible with most chemicals and sanitizing agents.

Note: Stainless steel insert option needed for all cartridges being hot water sanitized or steam sterilized.

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 176°F (80°C)

Maximum Differential Pressures

Forward 50 PSI (3.4 bar) at 20°C
Reverse 40 PSI (2.7 bar) at 20°C

FDA Listed Materials

Manufactured from materials which are listed for food contact applications in Title 21 of the U.S. Code of Federal Regulations.

Toxicity

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