

optimum filter

Filter Data Sheet

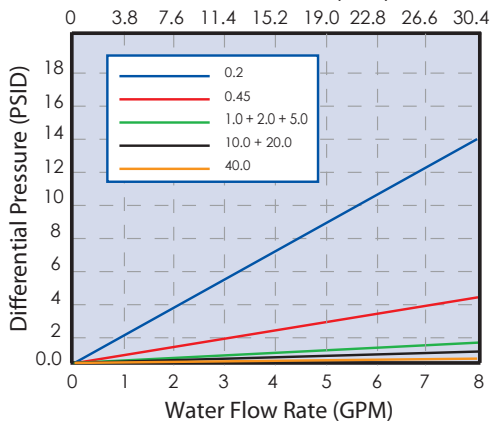
High Purity - PP Pleated Polypropylene Cartridge

Pleated Polypropylene Cartridges are designed for use in most applications where absolute rated pleated filtration is needed. Designed to hold 6.5 square feet of filtration media, our High Purity - PP Cartridge is a great value. These cartridges are constructed with 100% polypropylene materials and assembled using the latest thermal bonding equipment. Efficiency ratings to 99.98% (Beta 5000).



Flow Rate

10 inch (250 mm) Cartridges
Water Flow Rate (LPM)



Construction Materials

Filtration Media.....Polypropylene
Support Media.....Polypropylene
End Caps.....Polypropylene
Center Core.....Polypropylene
Outer Support Cage.....Polypropylene
O-Rings/Gaskets..Buna, Viton, EPDM, Silicone, 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

Change Out.....ΔP 35 PSI
Temperature.....176°F (80°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.

Typical Applications

| | |
|-----------------|-------------------|
| Food & Beverage | Process Water |
| Photographic | Fine Chemicals |
| Deionized Water | Plating Chemicals |
| R.O. Membrane | Wastewater |
| Pre-Filtration | |

Ordering Information

| PP | Pore Size | A | Length | C | End Cap Code | O-Rings/Gaskets | - | Adders |
|----|-----------|---|---------------|---|--------------------------|--------------------------------|---|-------------------------------|
| | 0.2 | | 10 (25.4 cm) | | 2 = DOE Flat Gasket | B = Buna | | I = Stainless Steel Insert |
| | 0.45 | | 20 (50.8 cm) | | 3 = 222 w/ Fin | E = EPDM | | HP = Heavy Poly Core |
| | 1.0 | | 30 (76.2 cm) | | 4 = 222 w/ Flat Cap | S = Silicone | | FG = Glass Reinforced PP Core |
| | 2.0 | | 40 (101.6 cm) | | 5 = 222 w/ Spring | V = Viton | | SS = Stainless Steel Core |
| | 5.0 | | | | 6 = 226 w/ Flat Cap | T = Teflon® Encapsulated Viton | | R = 18 Megohm Rinse |
| | 10.0 | | | | 7 = 226 w/ Fin | | | |
| | 20.0 | | | | 8 = 226 w/ Spring | | | |
| | 40.0 | | | | 16 = 213 Internal O-Ring | | | |

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