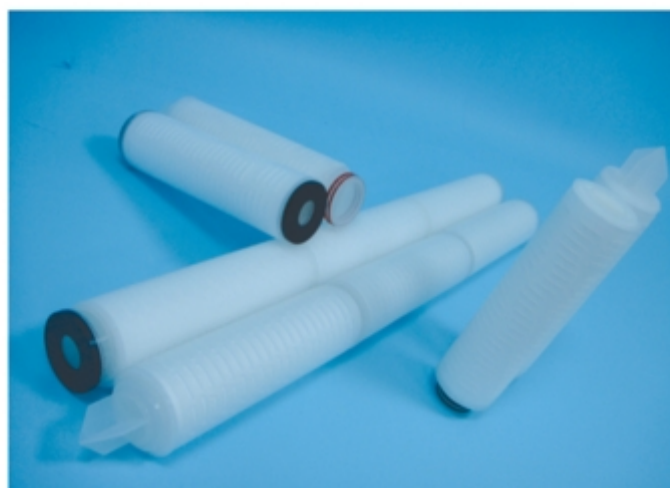


Microfine ExPleat PFH Series Cartridges

Hydrophobic PTFE Membrane Cartridges for Superior Filtration



ExPleat PFH Series are designed to meet the special needs of the electronics and high-purity chemical industries. Polytetrafluoroethylene (PTFE) membrane is resistant to virtually all chemicals. Because of the hydrophobic nature of PTFE, it can also be used to filter process gases. To minimize extractables, each cartridge module is pre-flushed with 18 Megohm-cm DIW.

Construction Materials

| | |
|---------------------------|--|
| Filtration Media | PTFE Membrane |
| Media Support | Polypropylene |
| End Caps | Polypropylene |
| Center Core | Polypropylene |
| Outer Support Cage | Polypropylene |
| Sealing Method | Thermal Bonding |
| O-rings | Buna, Viton® (or FKM), EPDM, Silicone, FEP Encapsulated Viton (or FKM) |

Dimensions

| | |
|-------------------------|--|
| Length | 9.75 in to 40 in. (25.1 to 101.6 cm) nominal |
| Outside Diameter | 2.75 in. (6.9 cm) nominal |
| Filtration Area | 8.6 ft ² (0.8 m ²) |

Applications

- ◆ Compressed Air
- ◆ Pressurized Gases
- ◆ Solvents
- ◆ Tank Ventilation
- ◆ Chemicals
- ◆ Strong Acids

Integrity Test Information

Representative samples from each manufacturing lot are tested for integrity to ensure consistent performance. 100% integrity testing for critical applications is also available.

Maximum Operating Parameters

| | |
|------------------------------|---------------------------------------|
| Differential Pressure | 20 psid (1.38 bard) at 80 °C (176 °F) |
| • Forward | 80 psid (5.52 bard) at 20 °C (68 °F) |

Operating Temperature 90 °C (194 °F)

Recommended Changeout Pressure 35 psid (2.4 bard)

Sanitization/Sterilization

Autoclave 121 °C (250 °F), 30 min, 10 cycles

In-line Steam 121 °C (250 °F), 30 min, 10 cycles

For all elevated temperature procedures above, a stainless steel support ring is required.

Chemical Sanitization

Performed using industry standard concentrations of hydrogen peroxide, paracetic acid, sodium hypochlorite and other selected chemicals.

Total Performance

Microfine Filters is a manufacturer of filtration products to industries in which filtration is considered a critical part of the manufacturing process. We supply a complete line of products and services to help you cost effectively satisfy all your filtration requirements from a single source.

