

Microfine ExPleat PP Series Cartridges

Pleated Polypropylene Media Cartridges
for Cost Effective Filtration



ExPleat PP cartridges are designed for general purpose use wherever a cost effective pleated filter is required. The multi-layer polypropylene media provides absolute particle retention. With its Extended Pleat structure, ExPleat PP cartridge filters has high dirt holding capacity and long service life. Moreover these cartridges are also available in pleated depth media for high viscosity fluids.

Construction Materials

Filtration Media	Pleated Polypropylene Depth Media
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)

Applications

- ◆ Inks & Dyes
- ◆ Air and Gases
- ◆ Cosmetics
- ◆ Process Water
- ◆ Specialty Chemicals

Dimensions

Length	9.75" to 40 in. (23 to 101.6 cm) nominal
Outside Diameter	2.75 in. (6.9 cm) nominal

Maximum Operating Parameters

Differential Pressure	20 psid (1.4 bard) at 90 °C (194 °F)
• Forward	40 psid (2.8 bard) at 60 °C (140 °F)
	70 psid (4.8 bard) at 20 °C (68 °F)

Operating Temperature	90 °C (194 °F) (0.69 bard) in water
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Recommended Changeout Pressure	35 psid (2.4 bard)
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Sanitization/Sterilization

Filtered Hot Water	90 °C (194 °F), 30 minutes, multiple cycles, max 3 psid forward flow
Autoclave	121°C (250°F), 30 min, multiple cycles
In-line Steam	135°C (275°F), 30 min, multiple 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.

