

POLYPROPYLENE PLEATED CARTRIDGE

ELCPP series



Feature-Tec's ELCPP polypropylene pleated filter cartridges consists of multiple melt-blown layers of different fiber fineness. This multi-layer pleated structure allows high flow rates while maintaining low differential pressure.

Applications

- Water
- Rinsing baths
- UPW pre-filtration
- Washing water for bottles
- CIP filtration
- Food & beverages
- RO pre-filtration
- Fermentation air
- Inks
- Chemicals and many more

Features and benefits

- Absolute removal ratings >99%
- Pleated construction provides high flow rates, low initial differential pressure and high dirt holding capacity
- Made of 100% high purity polypropylene

- Flushed with 18 M Ω -cm DI-water for 30 minutes at 7.57 l/min (2 gpm) with low TOC level (option)
- According to FDA requirements title 21
- Available in a wide variety of adapter /end cap configurations
- Filtration area >0.5 m² per 10" filter element

Filter specifications

Material

Pleated polypropylene

Inner core, cage, caps, support layer

Polypropylene

O-rings / Gaskets

Buna N, Silicone, EPDM, Viton, FEP/Silicone, FEP/Viton

Retention ratings

0.2, 0.5, 1, 5, 10, 25, 40, 70, 100 μ m

Dimensions / Parameters

Nominal lengths

10", 20", 30", 40"
(254, 508, 762, 1016 mm)

Outside diameter

2.48" (63 mm)

Inside diameter

1.1" (28 mm)

Maximum operating temperature

Polypropylene: 93 °C (200 °F)

Max. differential pressures

1.37 bar @ 93 °C (19.9 psid @ 200 °F)
2.75 bar @ 60 °C (39.8 psid @ 140 °F)
4.81 bar @ 21 °C (69.7 psid @ 70 °F)

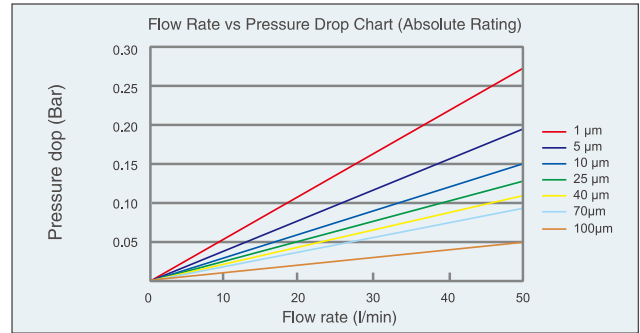
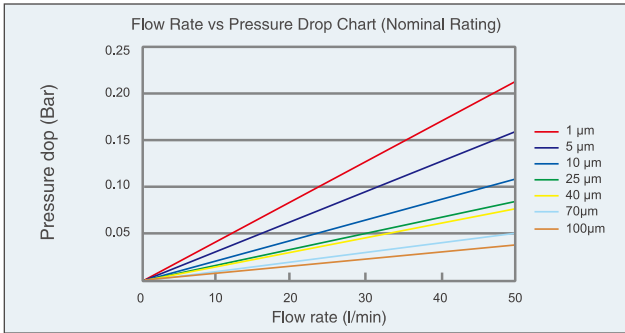
Recommended change-out

pressure drop for disposal

2.1 bar @ 21 °C (30.5 psid @ 70 °F)

■ ELCPP Filter Cartridge Range

ELCPP Flow Rate (10" length)*



* For fluids with a dynamic viscosity of 1 mPa·s @ 20 °C

Ordering information

