

# 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)
- Filter cartridges may be autoclaved for at least 10 times half-hour cycles @ 121 °C (250 °F)
- According to FDA requirements title 21
- Available in a wide variety of adapter /end cap configurations
- Filtration area >0.5 m<sup>2</sup> 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 μm

### **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)

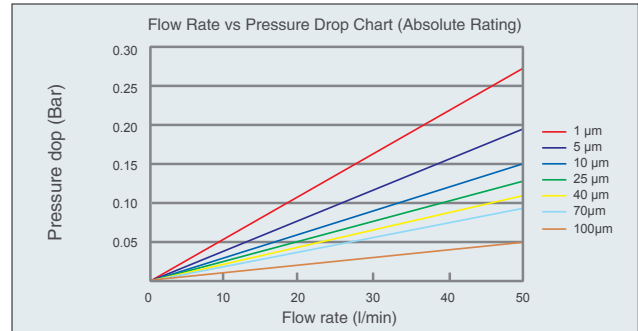
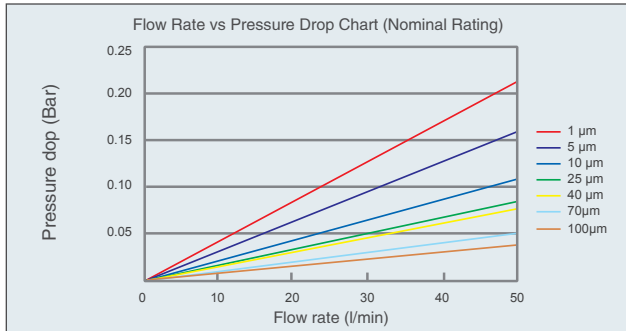
#### **Max. differential pressures**

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 Flow Rate (10" length)\*



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

## Ordering information

