

# HIGH STRENGTH MELT-BLOWN CARTRIDGE

## FCP series



*Feature-Tec's FCP polypropylene melt-blown filter cartridges features a two-layer construction, resulting in an asymmetric structure. This special design provides a high dirt holding capacity, longer life-time and lower initial differential pressure.*

### **Applications**

- E-coats
- Developers
- Pre-filtration recycled water
- Coolants
- Solutions with lower viscosity
- Electroplating solutions
- Chemicals
- Water treatment
- Edible oils and many more

### **Features and benefits**

- Excellent chemical compatibility
- No binders or additives
- Made of 100% high purity polypropylene melt-blown fibers
- Special two-layer structure provides low differential pressure and excellent dirt holding capacity

- Available in a wide variety of adapter/end cap configurations
- According to FDA requirements title 21 (CFR 177.1520)

### **Filter specifications**

#### **Material**

Polypropylene melt-blown

#### **Inner core**

Polypropylene

#### **O-rings / Gaskets**

Buna N, Silicone, EPDM, Viton

#### **Retention ratings**

0.5, 1, 3, 5, 10, 25, 50, 75, 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**

80 °C (176 °F)

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

1.18 bar @ 80 °C (17.1 psid @ 176 °F)

2.06 bar @ 60 °C (29,9 psid @ 140 °F)

4.12 bar @ 21 °C (59.7 psid @ 70 °F)

#### **Recommended change-out**

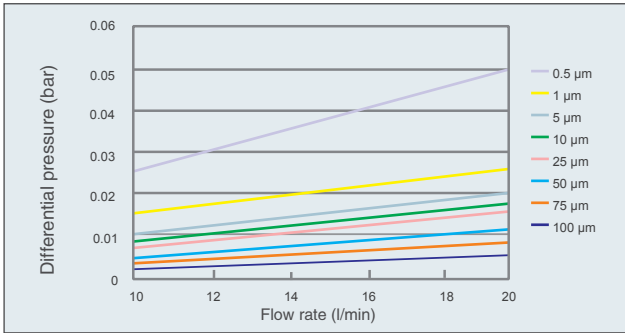
#### **pressure drop for disposal**

2.1 bar @ 21 °C (30.5 psid @ 70 °F)

1 bar @ 60 °C (14.5 psid @ 140 °F)

■ FCP Filter Cartridge Range

**FCP Flow Rate (10" length)\***



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

**Ordering information**

**Nominal lengths**

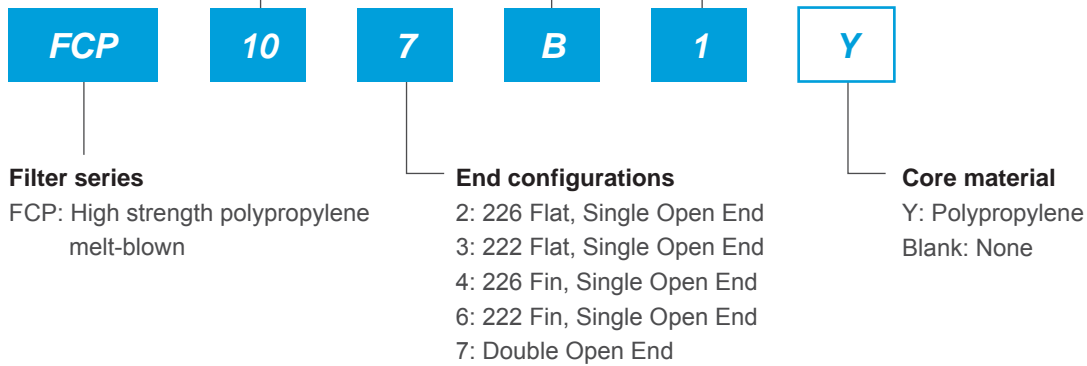
- 10: 10" (254 mm)
- 20: 20" (508 mm)
- 30: 30" (762 mm)
- 40: 40" (1016 mm)

**O-rings / Gaskets**

- B: Buna N
- S: Silicone
- E: EPDM
- V: Viton
- U: None

**Retention ratings**

- 05: 0.5 µm
- 1: 1 µm
- 3: 3 µm
- 5: 5 µm
- 10: 10 µm
- 25: 25 µm
- 50: 50 µm
- 75: 75 µm
- 100: 100 µm



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