

# STRING WOUND CARTRIDGE

**CW series**

*Suitable for  
high pressure*



*Feature-Tec's String wound filter cartridges offer a wide range of different filter materials and retention ratings. From raw material to finished products, the quality and filtration characteristics are strictly controlled. A special designed and patented inner core with spiral welding structure ensures rigidity.*

## **Applications**

- Plating solutions
- Chemicals
- Petrochemicals
- Film developer
- Inks
- Solvents
- Lubricants
- Food and beverages
- Pharmaceuticals
- Water treatment
- Edible oil and many more

## **Features and benefits**

- Broad range of combinations of different filter materials, inner cores, retention ratings and adapter configurations
- Wide range of applications due to an extensive chemical compatibility
- Gradient pore structure ensures optimum filtration performance
- High efficiency up to 90%

## **Filter specifications**

### **Materials**

Bleached cotton, polypropylene (F&B), polypropylene (industrial), Nylon, polyester, fiberglass, polyphenylene sulfide (PPS)

### **Inner cores**

Tinned steel, Polypropylene, Stainless steel 304, 304L, 316L

### **O-rings**

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

### **Retention ratings**

0.5, 1, 5, 10, 25, 50, 75, 100, 150, 200 µm

## **Dimensions / Parameters**

### **Nominal lengths**

10", 20", 30", 40", 50", 60", 70", 80" (254, 508, 762, 1016, 1270, 1524, 2032 mm)

### **Outside diameters**

2", 2.375", 2.5", 3", 4.5" (50.8, 60.3, 63.5, 76.2, 114.3 mm)

### **Inside diameters**

1.1" (28 mm)

### **Maximum operating temperatures**

#### **With steel core**

Polypropylene: < 93 °C (200 °F)

Cotton: < 120 °C (248 °F)

Nylon: < 130 °C (266 °F)

Polyester: < 130 °C (266 °F)

Fiber glass: < 450 °C (842 °F)

PPS: < 190 °C (374 °F)

#### **With PP core**

Cotton: < 80 °C (176 °F)

Polypropylene: < 80 °C (176 °F)

### **Max. differential pressure**

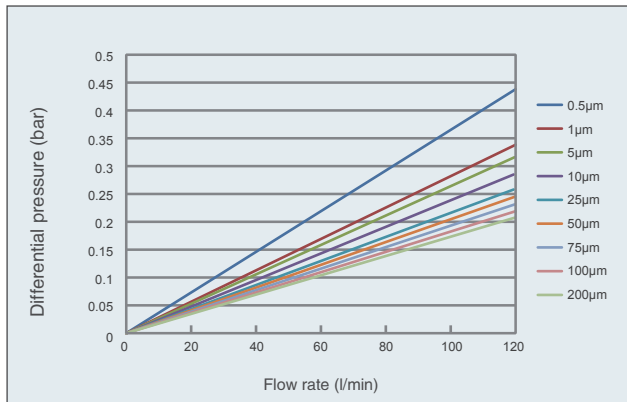
≤ 5 bar (72.5 psi)\*

\*High pressure is available

### **Recommended change out pressure drop for disposal**

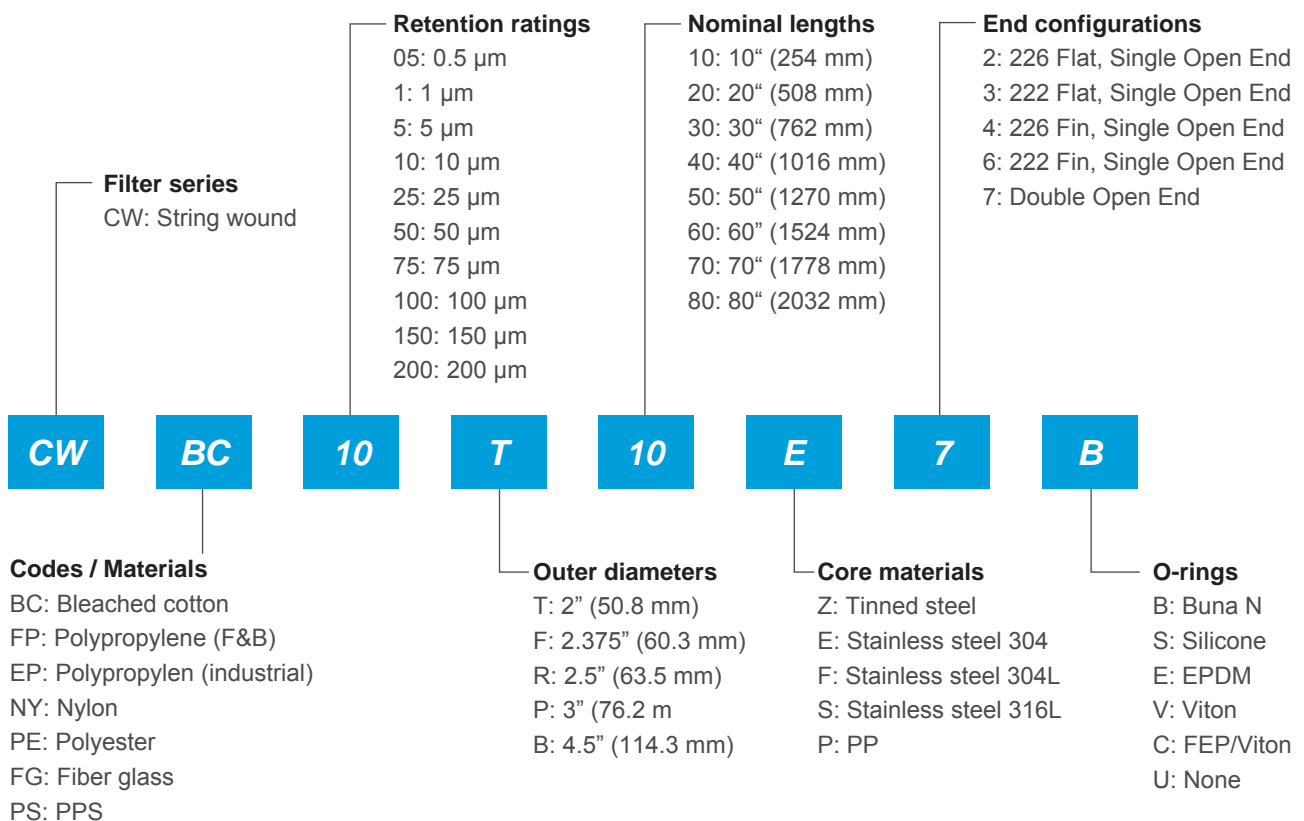
2-3 bar at 80% maximum temperature allowable

## CW Flow Rate (10" length)\*



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

## Ordering information



Brisbane, Australia

[www.monarchindustrial.com.au](http://www.monarchindustrial.com.au)

[www.monarchasiapacific.com.au](http://www.monarchasiapacific.com.au)