CW Filters
High-Grade Yarn Wound Media

CW Yarn Wound Filter Cartridges are manufactured with high grade yarns that assure a consistent product. Designed for a wide spectrum of applications from process water to harsh chemicals to high temperature filtration, the CW cartridges are an economical solution for particulate removal in challenging environments. Pore sizes range from 0.5 micron to 300 microns.

CARTRIDGES – Nominal Dimensions
Length: 5 to 40 in. (12.7 to 101.6 cm)
Outside Diameter: 2.50 in. (6.35 cm) to 4.50 in. (11.43 cm)

CW yarn wound filters are recommended for filtration of:
- High Temperature Solutions
- Plating Solutions
- Waste Streams
- High Dirt Load Applications

Critical Process provides unrivaled delivery times, technical consulting before purchasing, and very competitively priced high-performance products. Our comprehensive testing/analysis and validation services support your team whenever they need it. Your process experts partnering with our filtration experts is how we deliver your company’s solution right the first time.

### Maximum Operating Parameters

<table>
<thead>
<tr>
<th>MEDIA</th>
<th>POLY CORE</th>
<th>METAL CORE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Polypropylene</td>
<td>140 °F (60 °C)</td>
<td>180 °F (82 °C)</td>
</tr>
<tr>
<td>Cotton</td>
<td>140 °F (60 °C)</td>
<td>250 °F (121 °C)</td>
</tr>
<tr>
<td>Polyester</td>
<td>140 °F (60 °C)</td>
<td>275 °F (135 °C)</td>
</tr>
<tr>
<td>Nylon</td>
<td>140 °F (60 °C)</td>
<td>275 °F (135 °C)</td>
</tr>
<tr>
<td>Rayon</td>
<td>140 °F (60 °C)</td>
<td>275 °F (135 °C)</td>
</tr>
</tbody>
</table>

### Construction Materials

**Filtration Media**
- Polypropylene, Cotton, Polyester, Nylon, or Rayon Yarn

**End Caps**
- Polypropylene

**Center Core**
- Polypropylene, Glass Filled Polypropylene, Tin Plated Steel, 304 SS, or 316 SS

**Core Extenders**
- Polypropylene, Tin Plated Steel, or 316 SS

**O-Rings**
- Buna, Viton® (or FKM), EPDM, Silicone, FEP Encapsulated Silicone, FEP Encapsulated Viton (or FKM), Polyethylene Integra
**CW Filters Ordering Information**

All Critical Process filters are configurable to meet customer specifications. Fill in the corresponding codes in the boxes below to build your Part Number.

To consult with one of our technical team members, request a quote or place an order: call (603) 880-4420 Ext. 106, or send an email to sales@criticalprocess.com

---

**Diameter Code**
- A = 2.5 inches
- B = 4.5 inches

**Media Code**
- FP = FDA Polypropylene*
- P = IND Polypropylene
- BP = Fibrillated Polypropylene
- PE = Polyester
- FC = FDA Cotton
- C = Bleached Cotton
- NC = Natural Cotton
- N = Nylon Mesh
- R = Rayon
- *All materials of construction are FDA approved

**Core Material Code**
- P = Polypropylene
- G = Glass Filled Poly
- T = Tin Plated Steel
- A = 304 Stainless Steel
- S = 316 Stainless Steel

**End Cap Code**
- 0 = Flat Gasket, DOE
- 5 = 2-222 O-ring/Flat
- 6 = 2-226 O-ring/Flat
- 8 = 2-222 O-ring/Spear
- 9 = 2-226 O-ring/Spear
- 41 = SOE with Poly Spring
- 42 = SOE with Poly Core Extender
- 43 = SOE with Steel Core Extender
- 44 = SOE with 316 Stainless Core Extender

**Pore Size Code**
- -50 = 0.50 μm
- 1.0 = 1 μm
- 3.0 = 3 μm
- 5.0 = 5 μm
- 10- = 10 μm
- 15- = 15 μm
- 20- = 20 μm
- 25- = 25 μm
- 30- = 30 μm
- 50- = 50 μm
- 75- = 75 μm
- 999 = 100 μm
- 125 = 125 μm
- 150 = 150 μm
- 200 = 200 μm
- 250 = 250 μm
- 300 = 300 μm

**Length**
- 05 = 5 in. (12.7 cm)
- 97 = 9.75 in. (24.8 cm)
- 01 = 10 in. (25.4 cm)
- 19 = 19.5 in. (49.5 cm)
- 02 = 20 in. (50.8 cm)
- 29 = 29.25 in. (74.3 cm)
- 03 = 30 in. (76.2 cm)
- 04 = 40 in. (101.6 cm)

For additional lengths, consult Critical Process Filtration.

**O-Ring/Gasket Code**
- S = Silicone
- B = Buna
- V = Viton (or FKM)
- T = FEP Encapsulated Viton (or FKM)
- E = EPDM
- R = FEP Encapsulated

**Core Cover**
- N = None
- C = Compatible Cover

---

**Housings**

CPF offers Model CSH sanitary housings and Model CIH industrial housings in Single-Round (Inline and T-Style) and Multi-Round configurations. Contact us or visit our website for more information.