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” (30 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)**

![Graph showing differential pressure vs. flow rate for CW Filter Cartridge Range](image)

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

### Ordering information

**Filter series**
- CW: String wound

**Retention ratings**
- 05: 0.5 μm
- 1: 1 μm
- 5: 5 μm
- 10: 10 μm
- 25: 25 μm
- 50: 50 μm
- 75: 75 μm
- 100: 100 μm
- 150: 150 μm
- 200: 200 μm

**Nominal lengths**
- 10: 10" (254 mm)
- 20: 20" (508 mm)
- 30: 30" (762 mm)
- 40: 40" (1016 mm)
- 50: 50" (1270 mm)
- 60: 60" (1524 mm)
- 70: 70" (1778 mm)
- 80: 80" (2032 mm)

**End configurations**
- 2: 226 Flat, Single Open End
- 3: 222 Flat, Single Open End
- 4: 226 Fin, Single Open End
- 6: 222 Fin, Single Open End
- 7: Double Open End

**Outer diameters**
- T: 2" (50.8 mm)
- F: 2.375" (60.3 mm)
- R: 2.5" (63.5 mm)
- P: 3" (76.2 mm)
- B: 4.5" (114.3 mm)

**Core materials**
- Z: Tinned steel
- E: Stainless steel 304
- F: Stainless steel 304L
- S: Stainless steel 316L
- P: PP

**O-rings**
- B: Buna N
- S: Silicone
- E: EPDM
- V: Viton
- C: FEP/Viton
- U: None

**Codes / Materials**
- BC: Bleached cotton
- FP: Polypropylene (F&B)
- EP: Polypropylene (industrial)
- NY: Nylon
- PE: Polyester
- FG: Fiber glass
- PS: PPS

---

Providing a complete solution for your filtration needs.