IFP PP Dual Layer Pleated Filter Cartridge

PP Dual Layer Pleated Cartridge Filter uses FDA approved raw materials. This type of cartridge tolerates a variety of chemical solvents used in the filtration of ordinary or corrosive fluid. The high surface area of these filters ensure long service life and low initial pressure drops. All cartridge hardware components are high purity polypropylene materials for use in critical process applications. These cartridges are manufactured and assembled in a clean room environment to minimize the possibility of contamination. These absolute PP Dual Layer cartridges are available in a wide range of configurations to fit most commercially available filter housings.

Application

- Acids & Bases
- Product Sterilization
- High Purity Chemicals
- Fine and specialty chemicals
- Pharmaceuticals
- Chemical Mechanical Polishing
- Food and Beverage Processing
- Etch Baths
- Plating Baths

IFP PP Filter Cartridge with different End Modification

Cartridges are available in the following lengths:

- 10 – Inch
- 20 – Inch
- 30 – Inch
- 40 – Inch

Nominal 10-inch cartridge

Fin End Cap

226 O-Ring

222 O-Ring

DOE End Cap

International Filter Products
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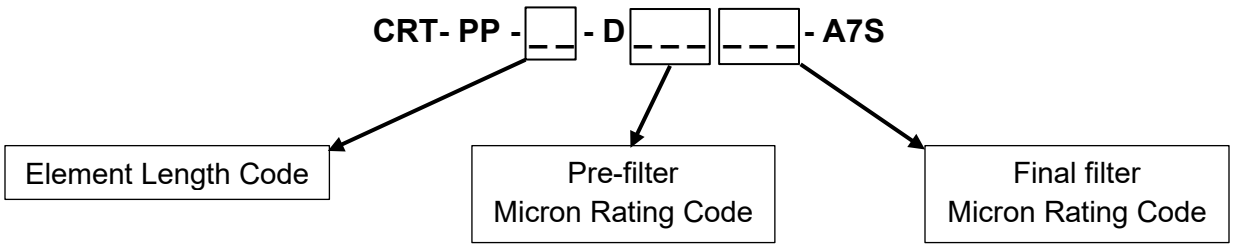
Technical Data Sheet

Popular Configuration:

Part Number	End Modification	Standard O-Ring
CRT- PES -_ _ - D_ _ _ _ _ _- A2S	222 O-Rings, Flat	Silicone
CRT- PP -_ _ - D_ _ _ _ _ _- A3S	222 O-Rings, Fin	Silicone
CRT- PP -_ _ - D_ _ _ _ _ _- A6S	226 O-Rings, Fin	Silicone
CRT- PP -_ _ - D_ _ _ _ _ _- A7S	226 O-Rings, Flat	Silicone
CRT- PP -_ _ - D_ _ _ _ _ _- A0S	Double Open Ended (DOE)	Silicone

❖ **The blank spaces are for filter length micron rating code. Find the codes below.**



PP Micron Rating:

Element Length Code	Micron Rating Code
10: 10-Inch **20**: 20-Inch **30**: 30-Inch **40**: 40-Inch	**002**: 0.2 µm **004**: 0.45 µm **006**: 0.65 µm **010**: 1.0 µm **030**: 3.0 µm **050**: 5.0 µm **100**: 10.0 µm **250**: 25.0 µm

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Materials of Construction

Filter Media: Nano Polypropylene
Supports: Reinforce Polypropylene
Cage/End Caps: Reinforce Polypropylene
Core: Reinforce Polypropylene

Effective Filtration Area:

6.5 ft^2 (>0.6 m^2) Per 10-Inch Cartridge Element

Nominal Dimensions:

Lengths: 10.0 inch (25.4 cm), 20.0 inch (50.8 cm), 30.0 inch (76.2 cm) and 40.0 inch (101.6 cm)
Inside Diameter: 1.3” (33mm)
Outside Diameter: 2.67” (68mm)

Operating Conditions:

Maximum Forward Differential Pressure: 5.5 bar (80 psi) at 69.8°F/21°C
Maximum Reverse Differential Pressure: 3.4 bar (50 psid) at 150.8°F/66°C
Maximum Operating Temperature: 176°F/80°C

Filtration Efficiency:

≥ 99.98%

Regulatory Compliance:

The filters are constructed with polypropylene resins and filtration media in compliance with 21CFR Part 177 of the US Code of Federal Regulations and USP Class VI Biological Test for Plastic

Material Compliance:

All materials comply with FDA Title 21 of the Code of Federal Regulations Sections 174.5, and 177.1520, as applicable for food and beverage contact.

Sterilization:

The filters can be steam sterilize at 121°C (250°F) for 30 minutes.

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Special Configuration:

Size Option:

- 10-inch [Filtration Area: 7.53 ft^2]
- 20-inch [Filtration Area: 15.06 ft^2]
- 30-inch [Filtration Area: 22.59 ft^2]
- 40-inch [Filtration Area: 30.12 ft^2]

Micron Rating Option:

- 0.2 µm
- 0.45 µm
- 0.65 µm
- 1.0 µm
- 3.0 µm
- 5.0 µm
- 10.0 µm
- 25.0 µm

Seal Option:

- Silicone
- Viton
- NBR
- EPDM
- Teflon Encapsulated Viton
- Teflon Encapsulated Silicone

End Modification:

- 222 O-Rings, Flat
- 222 O-Rings, Fin
- 226 O-Rings, Flat
- 226 O-Rings, Fin
- 222 O-Rings, Fin with 316L SS Insert
- 226 O-Rings, Fin with 316L SS Insert
- DOE Flat Gasket

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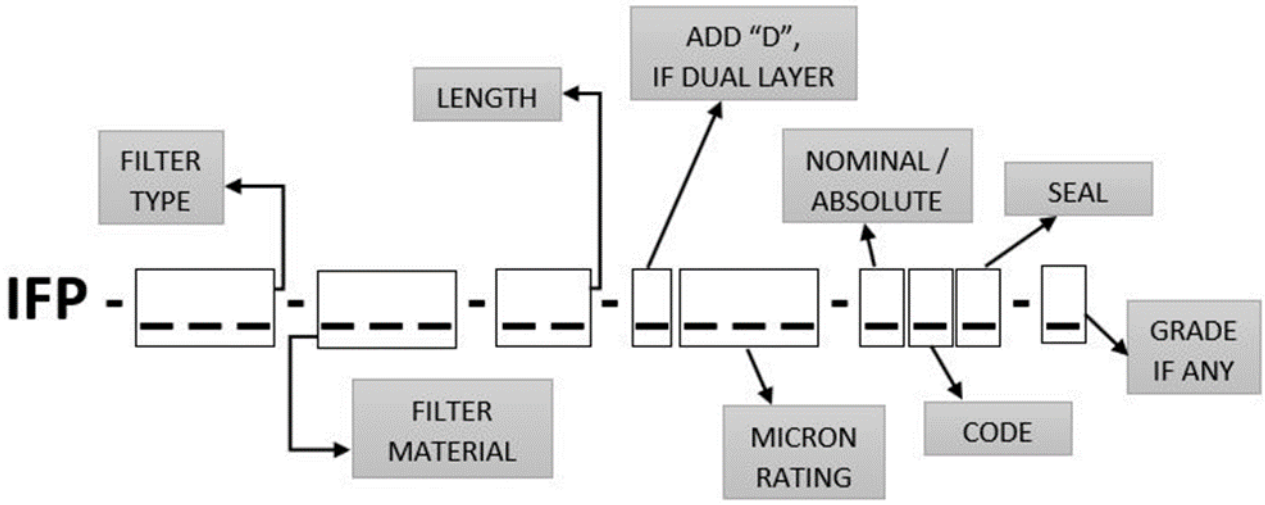
Ordering Information:

FILTER PART NUMBER



Filter Type	Filter Material	Length	Micron Rating	Absolute / Nominal	End Modification Code	Seal	Insert	Grade
CRT: Cartridge	**PP**: Polypropylene	**10**: 10-Inch **20**: 20-Inch **30**: 30-Inch **40**: 40-Inch	**002**: 0.2 µm **004**: 0.45 µm **006**: 0.65 µm **010**: 1.0 µm **030**: 3.0 µm **050**: 5.0 µm **100**: 10.0 µm **250**: 25.0 µm	**A**: Absolute **N**: Nominal	**0**: DOE **2**: 222/Flat **3**: 222/Fin **6**: 226 Fin **7**: 226/Flat	**S**: Silicone **E**: EPDM **V**: Viton **N**: NBR **F**: Teflon	**5:** SS Insert	**B:** Biological **PH:** Pharma **SG:** Sterilizing **E:** Electronic

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