

Fluorocap®-Select

High performance all-fluoropolymer capsule for the most aggressive applications

The Fluorocap®-SELECT encapsulated filter cartridge provides exceptional flow rates and on-stream life. It utilizes our unique SELECT pleating that increases filtration area and flow by over 25% compared to our standard Fluorocap®. This results in increased bath turnover and longer filter lifetime demanded by today's fabs. The all-fluoropolymer construction provides excellent chemical resistance for the most aggressive applications up to 180°C. Its integral filter design maximizes up-time with safe and simple change-outs. Available wet-packed for quick installation or Ultraclean wet-packed which offers the lowest metals extractables in the industry.



Benefits

- Large filtration area for longer life
- High flow rates for maximum bath turn over
- Wet-pack option for quick installation
- Ultraclean option for absolute cleanliness
- All-fluoropolymer for maximum chemical resistance
- 100% integrity tested for consistent quality

Applications

- Wet etch and clean
 - Hot phosphoric acid
 - Sulfuric acid
 - Hydrofluoric acid
 - Nitric acid
 - Piranha
 - SC1, SC2
 - NMP-based solvents
- Other high temperature or ozonated processes

Parker Hannifin Corporation provides our customers with unsurpassed product consistency and cost-efficiency. Our experienced professionals can help you select the right solution for your application. For more information or to place an order, contact your local distributor. Information on product specifications, applications and chemical compatibility can be found on our web site at www.parker.com or through your nearest **Parker Hannifin Corporation** office.

Parker Hannifin Corporation designs and manufactures an extensive line of innovative solutions for specific applications in the Microelectronics, Biopharmaceutical, Food and Beverage, Industrial and Chemical industries.



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Fluorocap®-Select

Specifications

Materials of Construction

100% Fluoropolymer construction
All components are thermally bonded to ensure integrity and reduce extractables.

Effective Filtration Area

12.2 ft² (1.1m²) per 10" (250mm) for 0.03 & 0.05µm
11.4 ft² (1.0m²) per 10" (250mm) for other ratings

Metals Extractables*

Standard: <20ppb (total)
Ultraclean: <5ppb (total)

*in a 10% HNO₃ extraction

Maximum Differential Pressure/Temperature

Forward: 80psid (5.5bar) @ 75°F (24°C)
Standard: 55psid (3.8bar) @ 167°F (75°C)
30psid (2.0bar) @ 257°F (125°C)
15psid (1.0bar) @ 300°F (150°C)

Forward: 100psid (6.8bar) @ 75°F (24°C)
HT Option: 75psid (5.1bar) @ 167°F (75°C)
50psid (3.4bar) @ 257°F (125°C)
15psid (1.0bar) @ 356°F (180°C)

Reverse: 50psid (3.4bar) @ 75°F (24°C)
15psid (1.0bar) @ 250°F (121°C)

Performance Attributes

Water Flow rates, Typical *

0.03µm 0.85gpm/psid (4.6lpm/100mbar)
0.05µm 2.0gpm/psid (11.0lpm/100mbar)
0.10µm 4.1gpm/psid (22.5lpm/100mbar)
0.20µm 4.6gpm/psid (25.3lpm/100mbar)
0.45µm 9.6gpm/psid (52.7lpm/100mbar)
1.00µm 14.8gpm/psid (81.3lpm/100mbar)

* Flow rates shown are for FluoroCap filters with 3/4" Parflare™ (in-line) fittings.

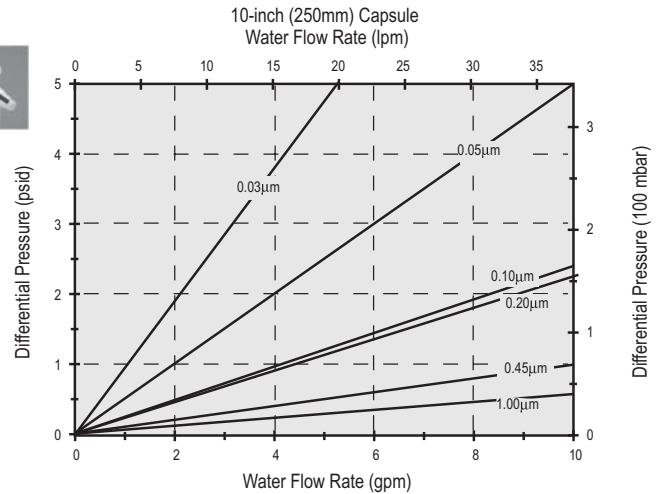
Cleanliness (particle shedding)

Wet-packed: 2 particles/ml >0.2µm after 7gal at 1gpm

TOC/Resistivity Rinse-up (wet-packed)

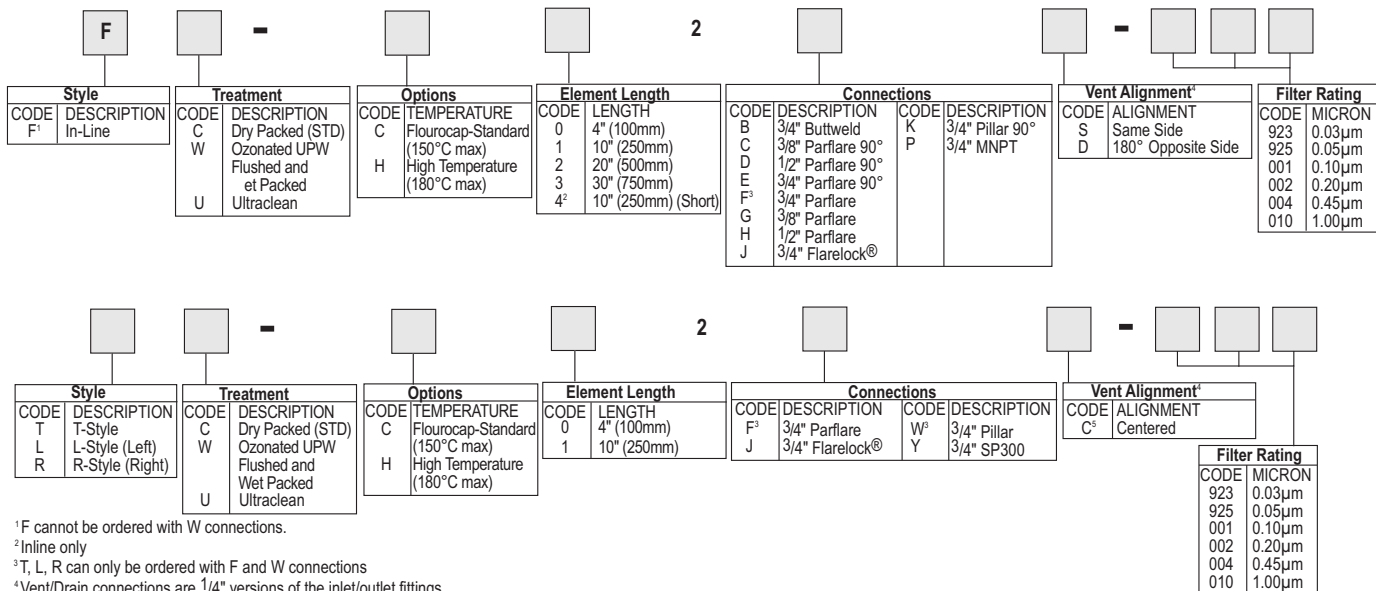
TOC recovery within 3-5ppb of feed after 12gal @ 1gpm. Resistivity recovery within 0.4megohm-cm of feed after 22gal @ 1gpm.

Flow Direction Options



Ordering Information

Each cartridge is identified with a product number, pore size and lot number for traceability.



¹F cannot be ordered with W connections.

²In-line only

³T, L, R can only be ordered with F and W connections

⁴Vent/Drain connections are 1/4" versions of the inlet/outlet fittings, except for codes K and W which are 1/2" Pillar vent/drain fittings.

Specifications are subject to change without notification.

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