

Proflow™-EL

Hydrophilic PTFE Cartridge for
Aqueous-Based Microelectronics Fluids

The Proflow™-EL filter cartridge provides exceptional flow rates and on-stream life. It uses a truly hydrophilic PTFE membrane along with high-purity polypropylene supports that provide an economical alternative to all-fluoropolymer cartridges. Available with our unique SELECT pleating technology, the liquid flow rates are increased by up to 50% versus competitive products. This filter is ideally suited for aqueous-based chemicals for both bulk and point-of-use applications. Hydrophilic membrane eliminates the need for pre-wetting thereby reducing installation time and operation costs.



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Benefits

- Hydrophilic membrane requires no prewetting
- Excellent liquid flow rates
- Widest variety of configurations
- PTFE/ PP construction for chemical resistance
- 100% integrity tested in cleanroom environment

Applications

- Bulk chemical delivery
- Aqueous acids and bases
- Wet etch and clean
- Dilute aqueous chemistries



ENGINEERING YOUR SUCCESS.

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Materials of Construction

Membrane: Hydrophilic PTFE
Support layers: Polypropylene
Structure: Polypropylene

Effective Filtration Area

Standard: 7.9ft² (0.73m²)
SELECT: 11.7ft² (1.1m²)
Per 10" (250mm) cartridge

Maximum Differential Pressure/Temperature

Forward:
80 psid (5.5 bar) @ 75°F (24°C)
40 psid (2.8 bar) @ 180°F (82°C)
Reverse:
50 psid (3.4 bar) @ 75°F (24°C)

Cleanliness (particle shedding)

<1 particles/ml >0.2µm after 6gal at 1gpm

Data as from open bag and installed, no additional installation flushing.

TOC/Resistivity Rinse-up (wet-packed)

TOC rinse-up to background plus 5ppb of feed after 70gal @ 1gpm.
Resistivity rinse-up to background minus 0.2megohm-cm of feed after 30gal @ 1gpm.

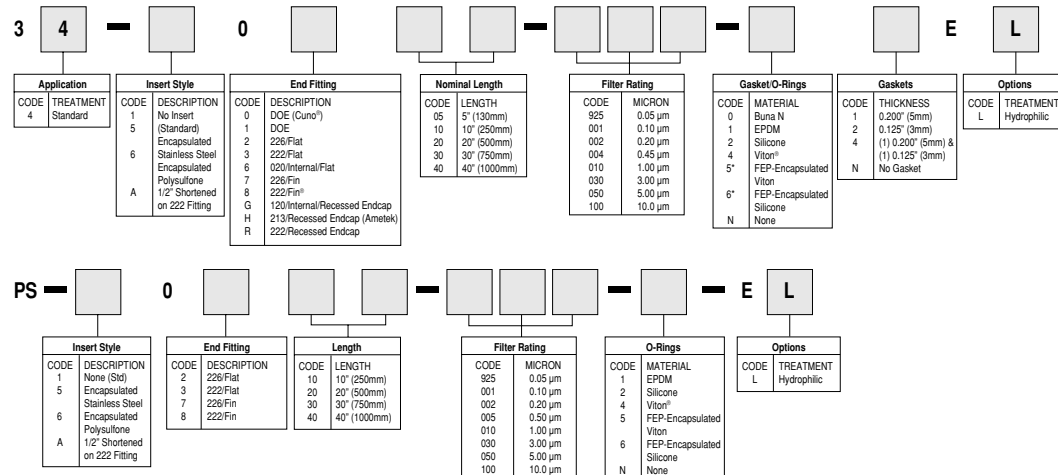
Water Flow Rates, Typical* (gpm/psid)

	Select	Standard
0.05µm	0.7	0.5
0.1µm	2.1	1.4
0.2µm	3.1	2.0
0.5µm	7.6	5.0
1.0µm	12.0	7.7
3.0µm	16.0	11.0
5.0µm	20.0	15.0
10.0µm	40.0	30.0

*Per 10" cartridge equivalent.

Ordering Information

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



TECHNICAL SUPPORT and PRODUCT ORDERING

Parker Process Advanced Filtration provides unsurpassed product consistency and cost-efficiency for our customers. 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 Process Advanced Filtration office. Parker Process Advanced Filtration designs and manufactures an extensive line of innovative solutions for specific applications in Biopharmaceutical, Microelectronics, Food & Beverage, Industrial and Chemical industries.

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