

FLUOROFLOW®

All-fluoropolymer cartridge for effective filtration of aggressive chemicals



Fluoroflow® pleated filter cartridges feature an all-fluoropolymer construction; this provides the highest chemical resistance when filtering acids, bases and solvents. Fluoroflow® cartridges fit standard filter housings and are available in a variety of filter ratings, lengths and end-fittings for maximum versatility. Fluoroflow® cartridges are available flushed with UPW to minimize extractables and wet-packed to eliminate the need for on-site wetting, to fit your needs.

BENEFITS

- High chemical compatibility maximizes process capability
- Wet-packed option eliminates lengthy wetting procedure and minimizes equipment downtime

APPLICATIONS

- Aggressive chemicals and process fluids at temperatures up to 150°C
- Ozonated and/or hot UPW

SPECIFICATIONS

Materials of construction

100% Fluoropolymer construction

Effective filtration area

6.8ft² (0.63m²) per nominal 10" (250mm) cartridge

Metals extractables

<20ppb (total) in a 10% HNO₃ extraction of 1.5 liters for 24 hours at ambient temperature

Maximum differential pressure

Forward	80psid (5.5bar) @ 75°F (24°C)
	55psid (3.8bar) @ 167°F (75°C)
	30psid (2.0bar) @ 257°F (125°C)
	15psid (1.0bar) @ 300°F (150°C)
Reverse	50psid (3.4bar) @ 75°F (24°C)
	15psid (1.0bar) @ 250°F (121°C)

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 without additional rinse-up.
Resistivity recovery within 0.4megohm-cm of feed after 22gal @ 1gpm.

Integrity test values

FILTER RATING	BUBBLE POINT*	
	psig	bar
µm		
0.05	≥ 40	2.8
0.10	≥ 21	1.5
0.20	≥ 13	0.9
0.45	≥ 7	0.5
1.00	≥ 3	0.2

*In 60/40 IPA/water @ 25°C

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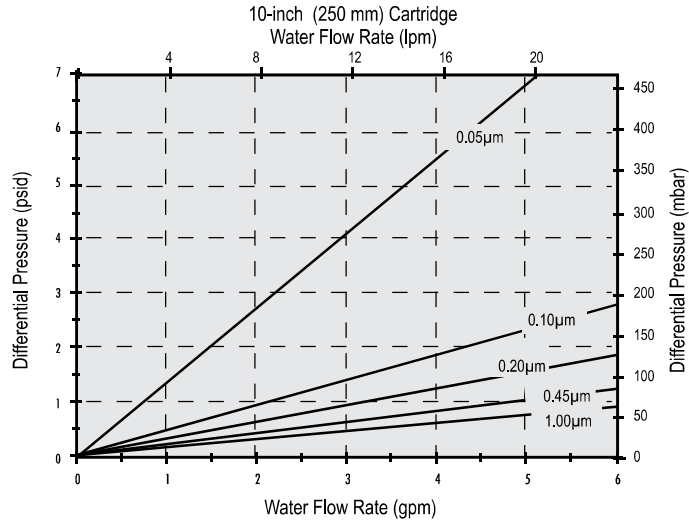
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PERFORMANCE ATTRIBUTES

Water in Flow Rates, Typical *

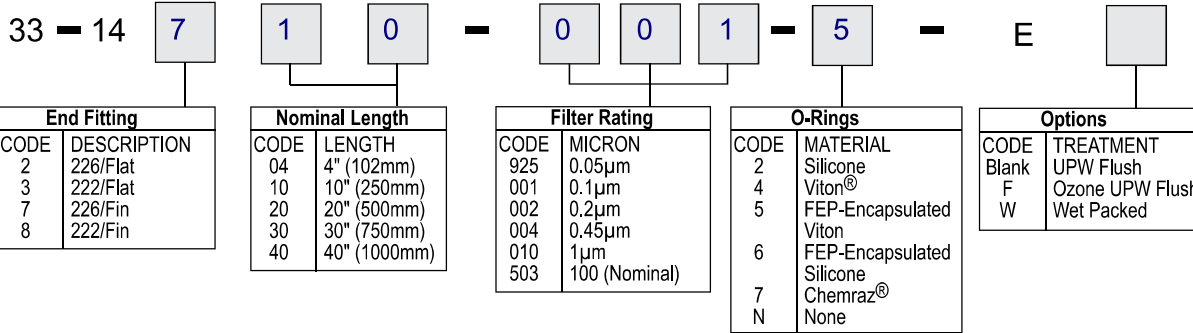
0.05µm	0.9gpm/psid (4.9lpm/100mbar)
0.10µm	2.3gpm/psid (12.7lpm/100mbar)
0.20µm	3.2gpm/psid (17.6lpm/100mbar)
0.45µm	4.7gpm/psid (25.8lpm/100mbar)
1.00µm	6.7gpm/psid (36.9lpm/100mbar)

*Flow rates shown are for FluoroCap filters with 3/4" Flaretek® (in-line) fittings and for fluids with viscosity of 1cP.



ORDERING INFORMATION

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



TECHNICAL SUPPORT AND PRODUCT INFORMATION

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.

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