

Fluorogard® FP and FP-HP Cartridge Filters

*Clean filtration of a broad range
of process chemicals in bulk and
point-of-use applications*

Fluorogard® FP and FP-HP filters provide clean filtration of a broad range of process chemicals in bulk and point-of-use applications, particularly in the data storage, flat panel display, legacy node semiconductor, and bulk chemical industries.

Fluorogard FP utilizes a hydrophobic PTFE membrane that enables filtration of solvent-based photochemicals. In contrast, Fluorogard FP-HP's hydrophilic membrane can be used in the filtration of aqueous chemicals without the need for time-consuming prewetting steps. Both types of Fluorogard filters improve yield, while keeping operational costs at a minimum.

APPLICATIONS

- Cleaning with solvents or aqueous acids, bases, and detergents
- Etching/stripping
- Bulk chemical filtration

FEATURES & BENEFITS

Durable PTFE fluoropolymer resin and polypropylene construction	Reduces particle contamination with superior downstream cleanliness and faster startups Contains low levels of organic and metallic extractables
Wide range of retention capabilities	Can be used in a wide variety of process chemicals in bulk or point-of-use applications
Available with hydrophobic and hydrophilic membranes for comprehensive filtration	Hydrophilic: Filtration of aqueous chemicals; eliminates the need for time-consuming prewetting steps Hydrophobic: Filtration of solvent-based chemicals



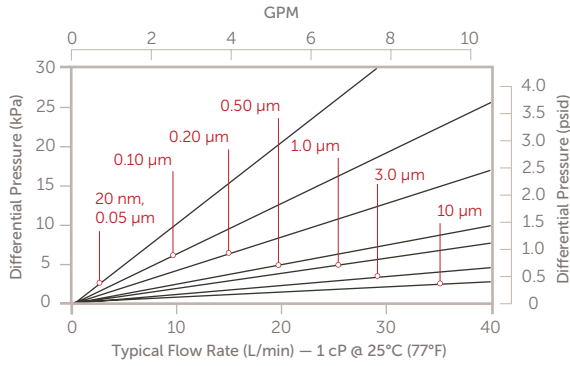
SPECIFICATIONS

		FLUOROGARD FP	FLUOROGARD FP-HP	
Materials of construction	Membrane	Hydrophobic PTFE	Hydrophilic PTFE	Nondewetting PTFE*
	Supports, core, sleeve, and end caps	Polypropylene		
	O-rings (for Code 0, 5, 7)	EPDM, FKM, E-FKM		
	Gaskets (for Code F)	EPDM, FKM		
	Chemlock key	Polypropylene		
Connections	Code 0 (AS568-222 O-rings)			
	Code 5 (AS568-222 O-rings, with fin end)			
	Code 7 (AS568-226 O-rings, with fin end)			
	Code F (gaskets)			
Retention rating		20 nm, 0.05, 0.1, 0.2 µm, 0.5, 1.0, 3.0, 10 µm	0.05, 0.1, 0.2, 0.5 µm, 1.0, 3.0, 10 µm	10, 20 nm
Membrane area	10"	7,000 cm ² (7.54 ft ²)		
	20"	14,000 cm ² (15.1 ft ²)		
	30"	21,000 cm ² (22.6 ft ²)		
Maximum operating conditions	Maximum forward/reverse differential pressure: 0.34 MPa (3.4 bar, 50 psid) @ 25°C (77°F) Maximum operating temperature: 90°C (194°F)			

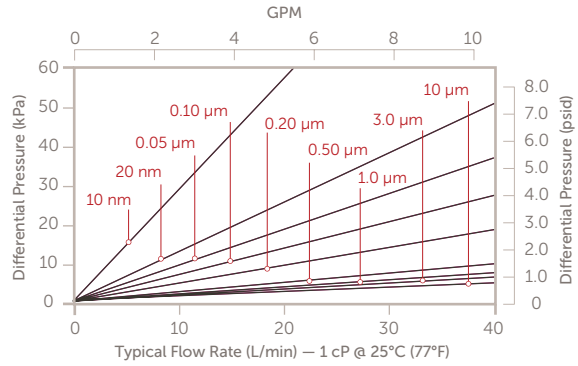
*The prewet filter is enclosed in a bag containing DI water and 1% H₂O₂. After installation is completed, drain and flush with 20 liters of DI water (per 10").

PERFORMANCE DATA

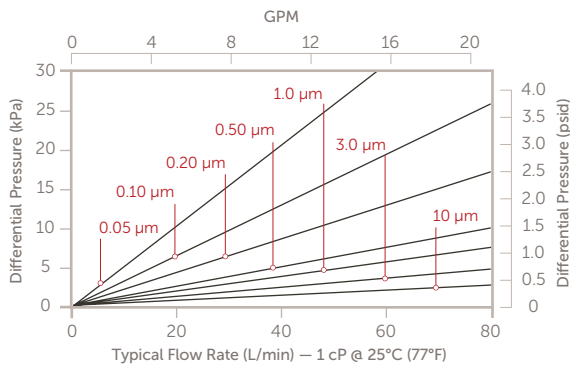
Fluorogard FP 10" Cartridge Filters



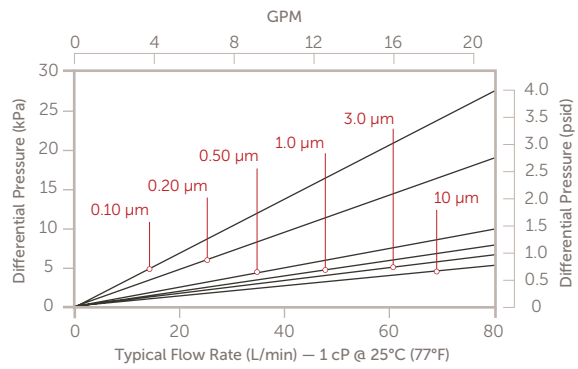
Fluorogard FP-HP 10" Cartridge Filters



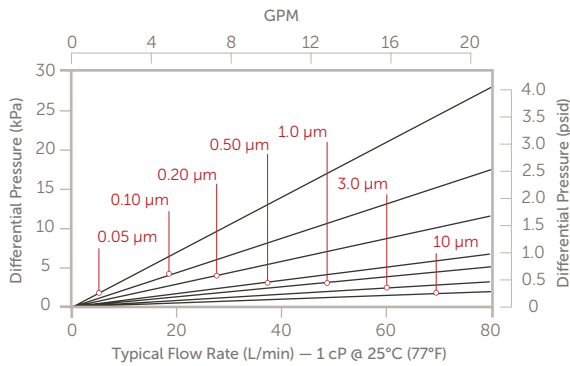
Fluorogard FP 20" Cartridge Filters



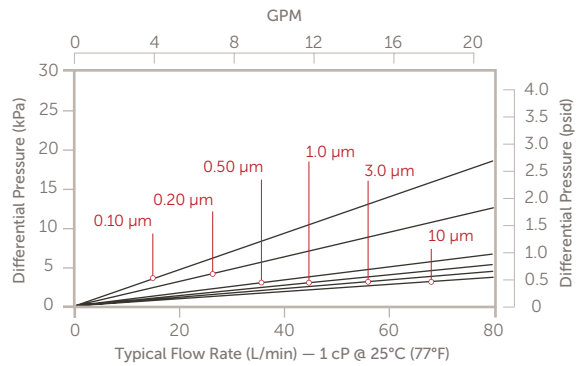
Fluorogard FP-HP 20" Cartridge Filters



Fluorogard FP 30" Cartridge Filters

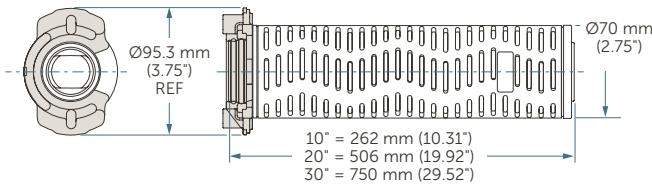


Fluorogard FP-HP 30" Cartridge Filters

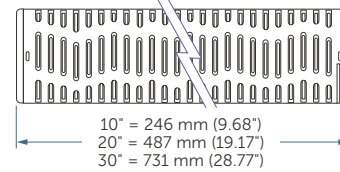


DIMENSIONS

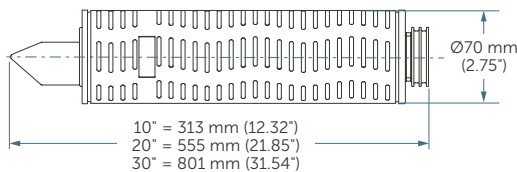
Code 0 Filters (Shown with Optional Chemlock® Key)



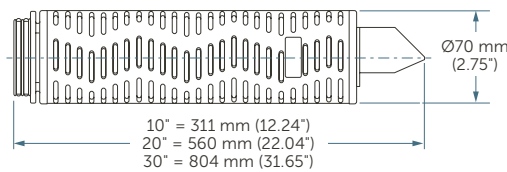
Code F Filters



Code 5 Filters



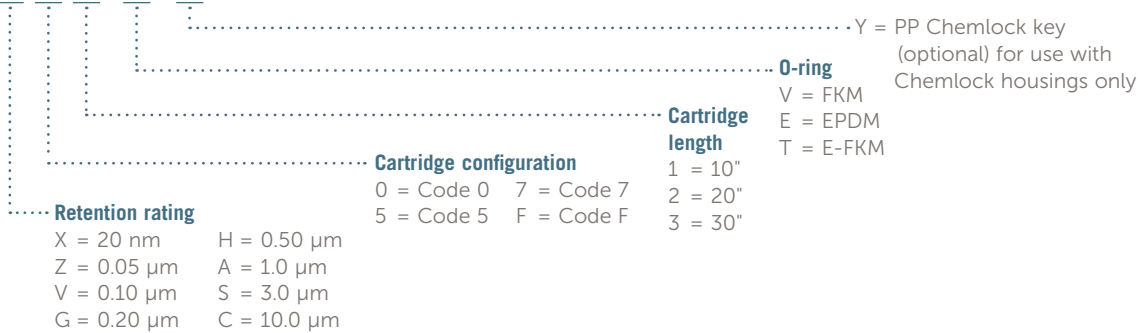
Code 7 Filters



ORDERING INFORMATION

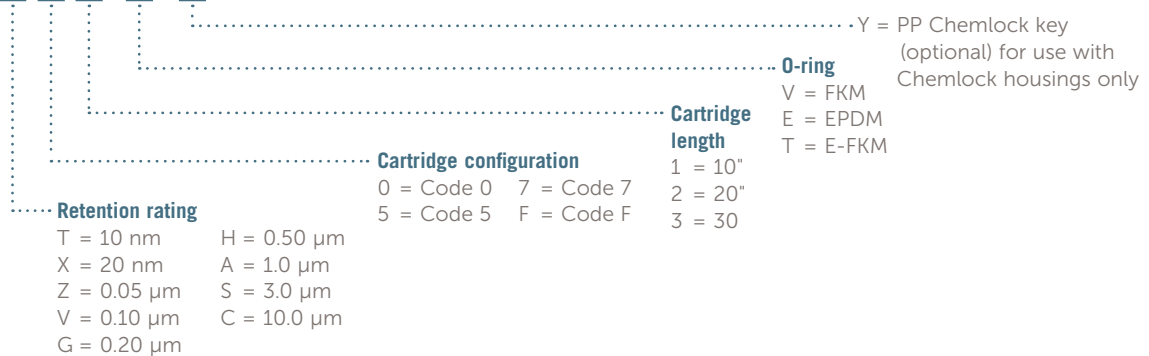
Fluorogard FP Cartridge Filters – Hydrophobic Membrane: part number

CWE 0 1 Y



Fluorogard FD-HP Cartridge Filters – Hydrophilic Membrane: part number

CW0 0 1 Y



FOR MORE INFORMATION

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