



FLUOROGARD® FP AND FP-HP CARTRIDGE FILTERS

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

Overview

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 and Benefits

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

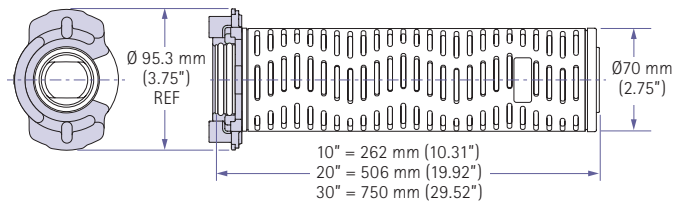
Specifications

		Fluorogard FP	Fluorogard FP-HP	
Materials:	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)		

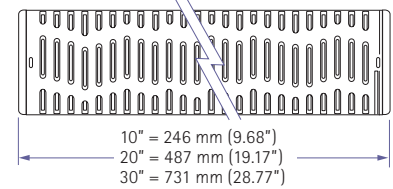
*The prewet filter is enclosed in a bag containing DI water and 1% H₂O₂. After installation is completed, drain and flush with 20 liters of DI water (per 10").

Dimensions

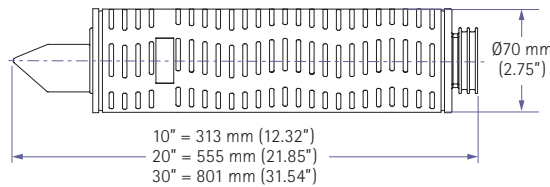
Code 0 Filters (Shown with Optional Chemlock® Key)



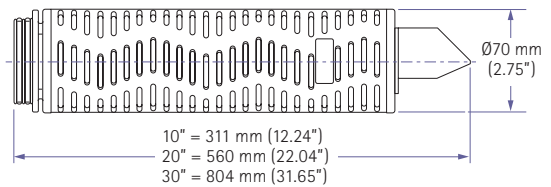
Code F Filters



Code 5 Filters



Code 7 Filters

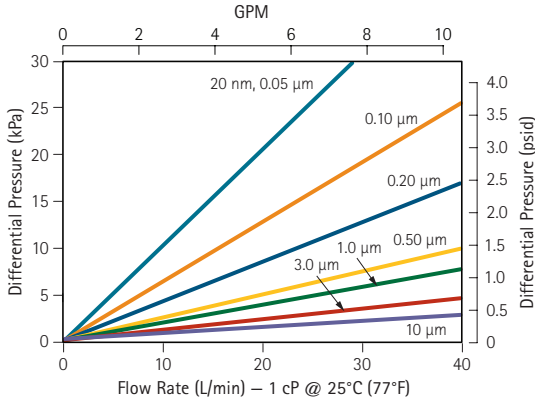


Performance Data

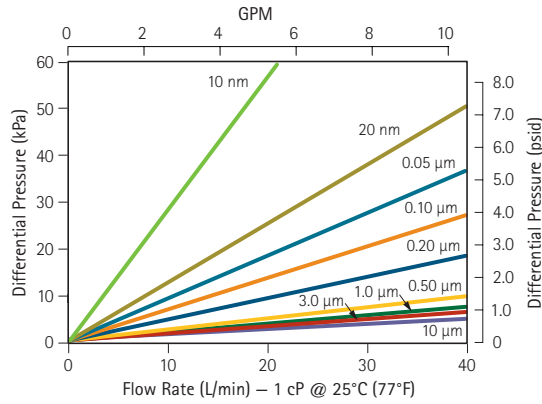
Fluorogard FP Cartridge Filters

Fluorogard FP-HP Cartridge Filters

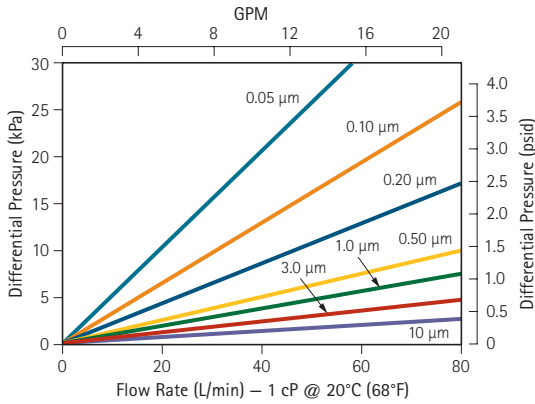
Fluorogard FP 10" Cartridge Filters



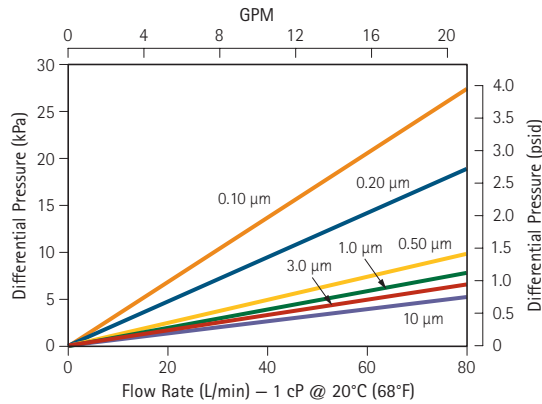
Fluorogard FP-HP 10" Cartridge Filters



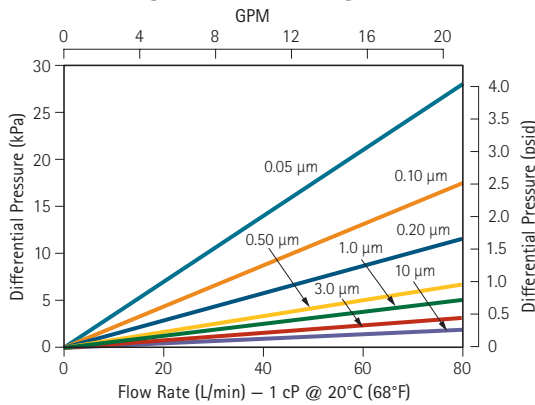
Fluorogard FP 20" Cartridge Filters



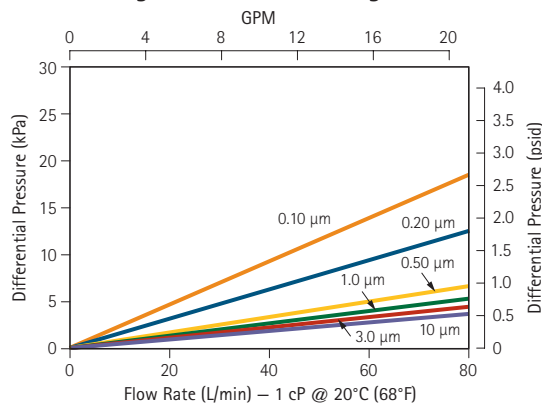
Fluorogard FP-HP 20" Cartridge Filters



Fluorogard FP 30" Cartridge Filters



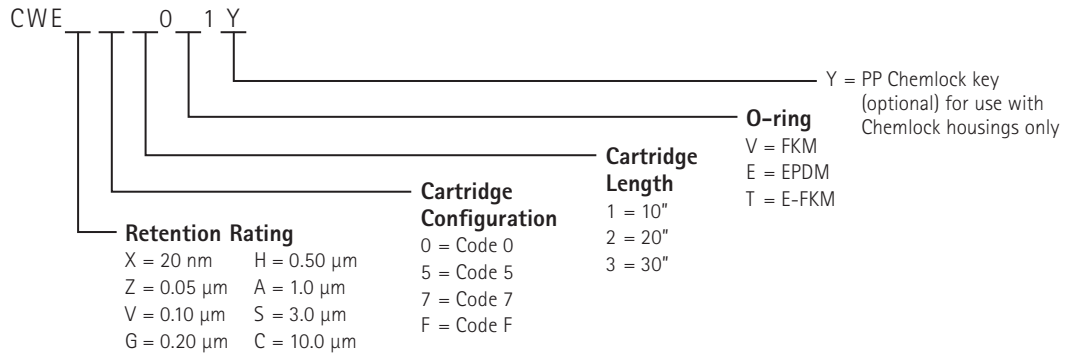
Fluorogard FP-HP 30" Cartridge Filters



Ordering Information

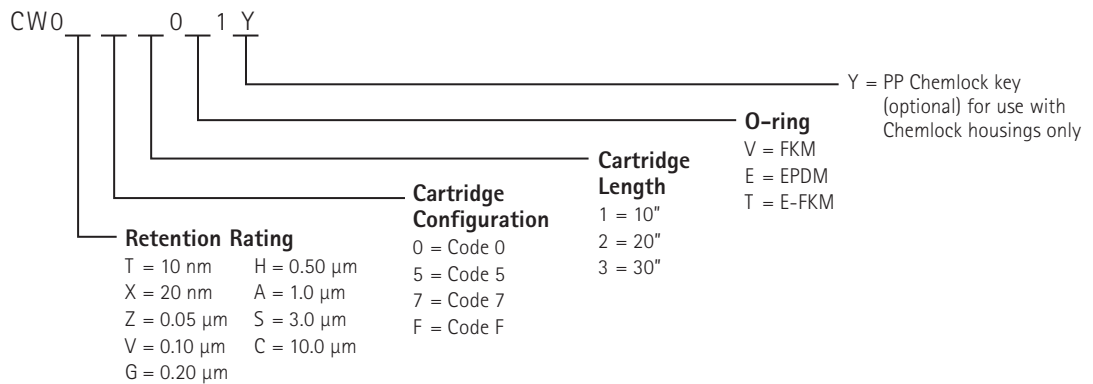
Fluorogard FP Cartridge Filters—Hydrophobic Membrane

Part Number



Fluorogard FP-HP Cartridge Filters—Hydrophilic Membrane

Part Number



For More Information

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