



## FLUOROGARD® FP AND FP-HP CARTRIDGE FILTERS

*Constructed with polypropylene supports  
and rugged Teflon® PTFE pleated membranes  
to enhance durability and cleanliness*

### Overview

Fluorogard® FP and FP-HP filters, manufactured with Teflon® fluoropolymer PTFE pleated membranes with polypropylene supports, provide unmatched durability and cleanliness for filtration of process fluids used in the semiconductor industry.

#### Available in Lengths and Retention Ratings to Meet Most Application Needs

Available in 10," 20" and 30" cartridge lengths, and in retention ratings of 0.05, 0.1, 0.2, 0.5, 1.0, 3.0 and 10.0 µm.

#### Available as Hydrophobic and Hydrophilic

The hydrophobic Fluorogard FP filters do not require prewetting with solvent-based photochemicals. The hydrophilic Fluorogard FP-HP filters do not require prewetting with water-based chemicals. The result is lower operational costs and a more consistent, reliable process.

#### Superior Manufacturing

- Manufactured in a world-class, ISO 9001 Quality Systems Standard facility
- Manufactured, tested and packaged in a cleanroom to ensure product cleanliness



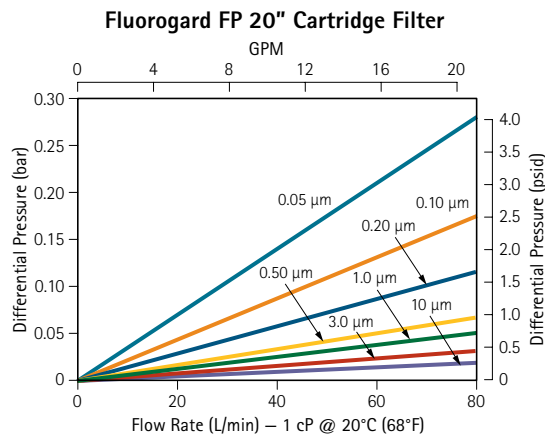
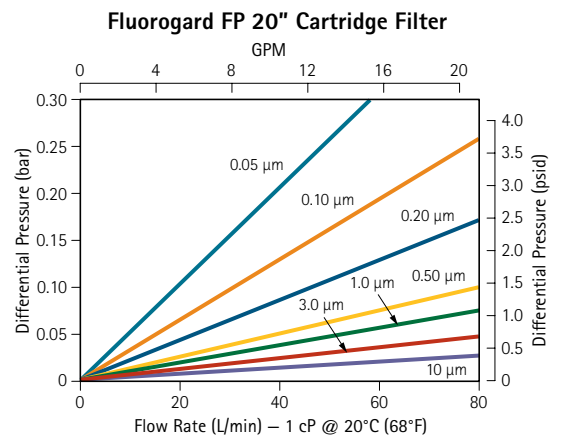
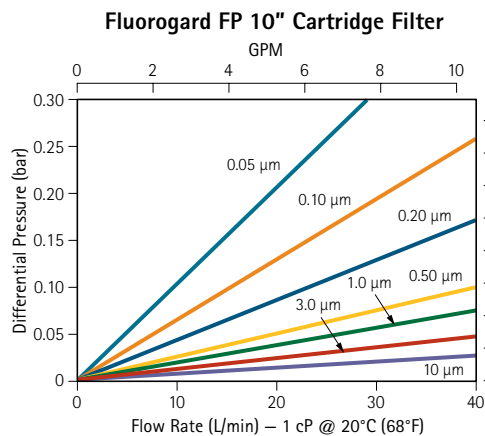
Features	Benefits
Available with hydrophobic (FP) and hydrophilic (FP-HP) membranes	Filters available as hydrophilic or hydrophobic to meet the exact needs of your process chemicals; eliminates time-consuming prewetting procedures.
Available in retention ratings from 0.05 µm to 10.0 µm and cartridge lengths of 10," 20" and 30"	With a wide variety of configurations, Fluorogard® FP cartridge filters can be used in a wide variety of process chemicals in either bulk or point-of-use applications.
Teflon fluoropolymer resin and polypropylene construction	Reduces particle contamination with superior downstream cleanliness. Durable construction ensures longer filter life when matched with appropriate retention ratings for your application.

## Specifications

	Fluorogard FP	Fluorogard FP-HP
Materials:	Membrane	Pleated hydrophobic PTFE
	Supports, core, sleeve and end caps	Polypropylene
	O-rings	Viton®, EPR and Teflon fluoropolymer encapsulated Viton fluoroelastomer (TEV)
Connections:	Code 0 (2-222) double o-rings	
	Code 7 (2-226) double o-rings	—
	Code F	—
Membrane area:	10"	7,000 cm <sup>2</sup> (7.54 ft <sup>2</sup> )
	20"	14,000 cm <sup>2</sup> (15.1 ft <sup>2</sup> )
	30"	21,000 cm <sup>2</sup> (22.6 ft <sup>2</sup> )
Maximum operating conditions:	Maximum forward/reverse differential pressure	0.34 MPa (3.4 bar, 50 psid) @ 25°C
	Maximum operating temperature	90°C (194°F)

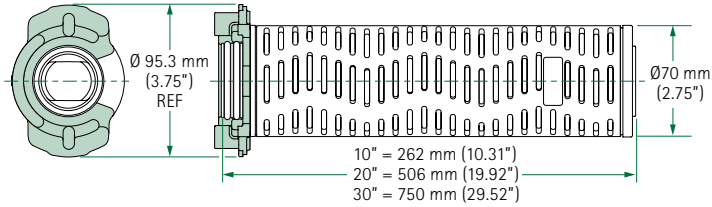
## Fluorogard FP Cartridge Filters

### Performance Data

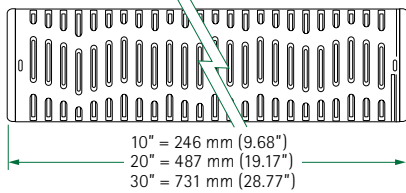


**Dimensions**

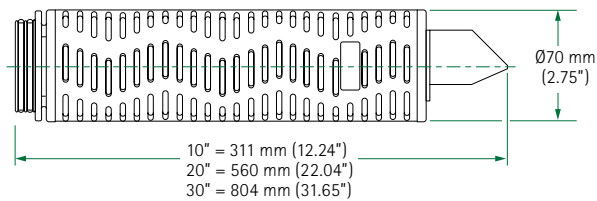
**Code 0 Filters (shown with optional Chemlock® key)**



**Code F Filters**

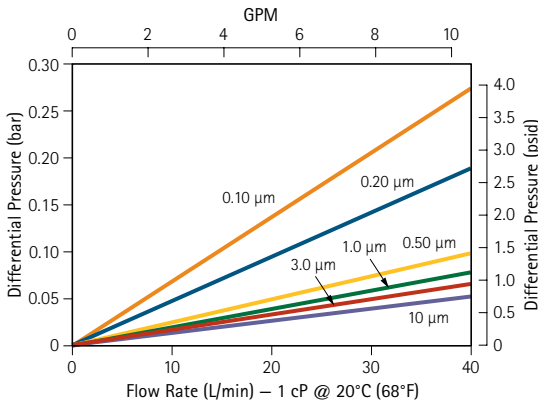


**Code 7 Filters**

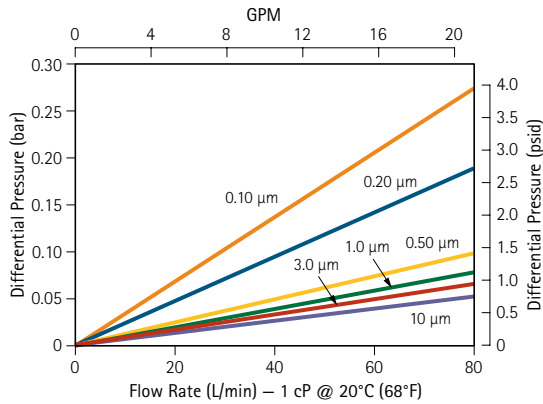


**Fluorogard FP-HP Cartridge Filters**

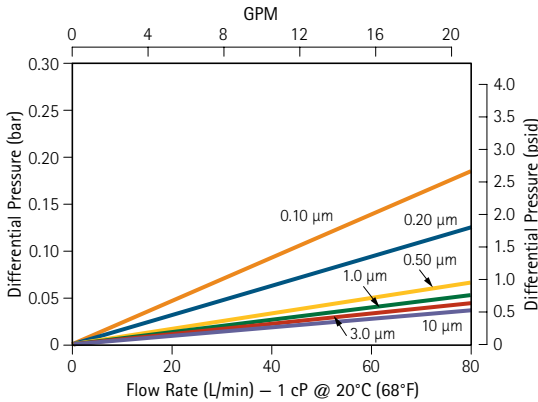
**Fluorogard FP-HP 10" Cartridge Filter**



**Fluorogard FP-HP 20" Cartridge Filter**

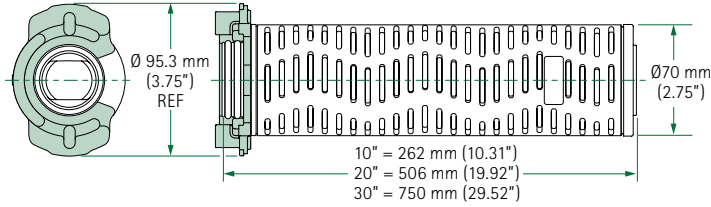


**Fluorogard FP-HP 30" Cartridge Filter**



## Dimensions

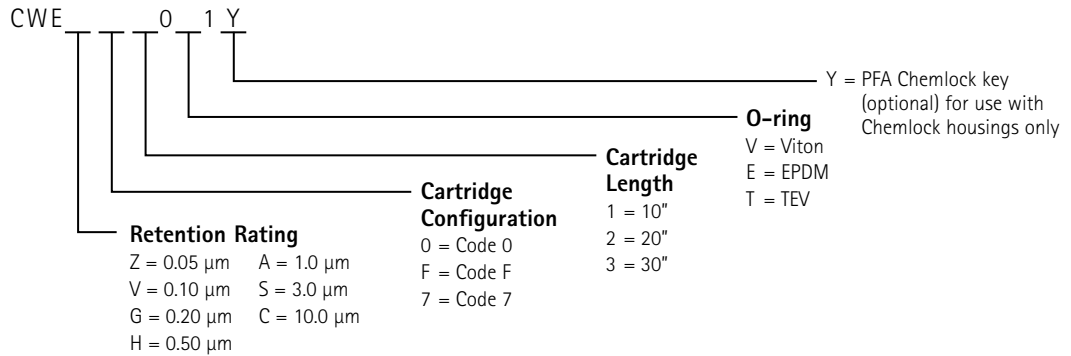
### Code 0 Filters (shown with optional Chemlock key)



## Ordering Information

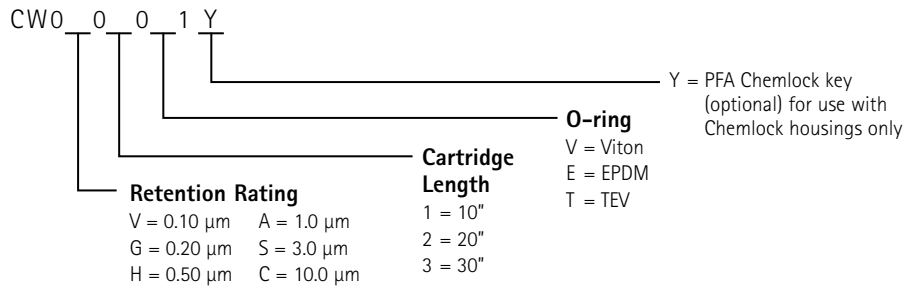
### Fluorogard FP Cartridge Filters—Hydrophobic Membrane

#### Part Number



### Fluorogard FP-HP Cartridge Filters—Hydrophilic Membrane

#### Part Number



## For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit [www.entegris.com](http://www.entegris.com) and select the Customer Service link for the center nearest you.

## Terms and Conditions of Sale

All purchases are subject to Entegris' Terms and Conditions of Sale. To view and print this information, visit [www.entegris.com](http://www.entegris.com) and select the Legal Notices link from the footer.

Entegris®, the Entegris Rings Design®, Fluorogard® and Chemlock® are registered trademarks of Entegris, Inc. Teflon® is a registered trademark of E.I. du Pont de Nemours & Co. used under license. Viton® is a registered trademark of DuPont Dow Elastomers.

#### ENTEGRIS, INC.

Corporate Headquarters | 129 Concord Road | Billerica, MA 01821 USA  
Customer Service Tel. +1 952 556 4181 | Customer Service Fax +1 952 556 8022  
In North America 800 394 4083 | [www.entegris.com](http://www.entegris.com)