



FLUOROGARD® PE BULK CHEMICAL FILTERS

*Cost-effective solution for clean,
high-flow bulk chemical filtration*

Overview

Filter cleanliness and contamination control are critical requirements for bulk chemical makers and high-viscosity resist makers. These manufacturers also demand that filters deliver high-flow performance with good retention and at a low cost of ownership.

Fluorogard® PE bulk chemical filters offer a cost-effective solution for enabling clean, high-flow bulk chemical filtration of acids, bases, solvents, resists or other chemicals. Engineered as a clean filter with good retention and particle removal capabilities, Fluorogard PE ensures filter cleanliness and enables cleaner chemical filtration. The hydrophobic PTFE membrane, combined with rugged HDPE supports and molded parts, enhances chemical compatibility, controls contamination with low metal extractable and particle shedding, and prevents cross-contamination of filtered chemicals. The large membrane filtration area improves flow rate performance, increases filter lifetime, making Fluorogard PE ideal for filtering larger chemical batches in less time than comparable filters.



Applications

- Bulk chemicals (non-oxidizing acids, bases and solvent blends)
- High-viscosity photoresist and photochemicals
- General process chemicals (aqueous cleaning detergents and chemicals)
- Applications that include regular filter change-outs batch to batch

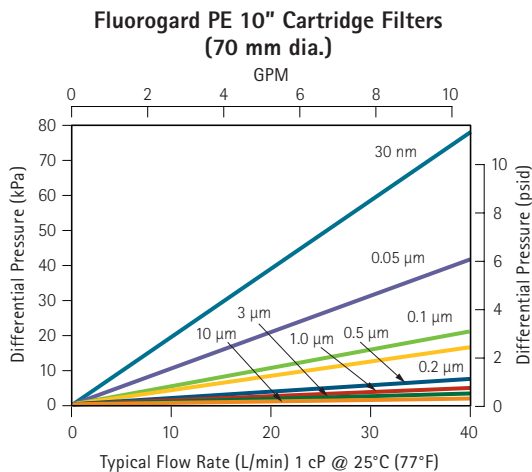
Features and Benefits

Features	Benefits
Hydrophobic PTFE membrane with HDPE supports and molded parts	Engineered as a clean filter <ul style="list-style-type: none"> • Enables good retention and particle removal capabilities • Controls contamination with low metal extractable and particle shedding • Prevents cross-contamination of filtered chemicals
Large membrane filtration area	Improves flow rate performance Increases filter lifetime Enables filtration of larger chemical batches in less time than comparable filters
Broad chemical compatibility	Non-oxidizing acids, bases and solvent blends Aqueous cleaning detergents and chemicals High-viscosity photoresist and photochemicals

Specifications

Materials:	Membrane	Hydrophobic PTFE
	Supports, core, sleeve and end caps	High-density Polyethylene (HDPE)
	O-ring	E-FKM
Connection:	Code 0 (AS568-222 o-rings)	
Retention rating:	30 nm, 0.05, 0.1, 0.2, 0.5, 1.0, 3.0 and 10.0 μm	
Operating conditions:	Maximum forward differential pressure	0.34 MPa (49 psi) @ 25°C (77°F)
	Maximum operating temperature	70°C (158°F)

Performance Data



Ordering Information

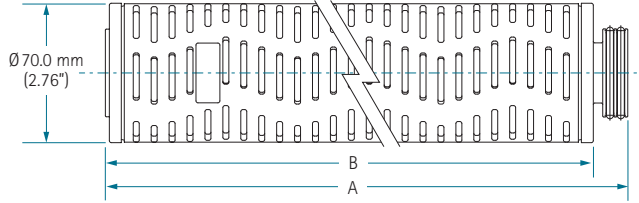
Fluorogard PE Part Number

FGP 0 10 T 1

- Chemlock® Key (optional)**
K = with key
Blank = without key
- O-ring**
T = E-FKM
- Cartridge Length**
10 = 10"
20 = 20"
30 = 30"
- Cartridge Configuration**
0 = Code 0
5 = Code 5
- Retention Rating**
Y = 30 nm H = 0.5 μm
Z = 0.05 μm A = 1.0 μm
V = 0.1 μm S = 3.0 μm
G = 0.2 μm C = 10.0 μm

Dimensions

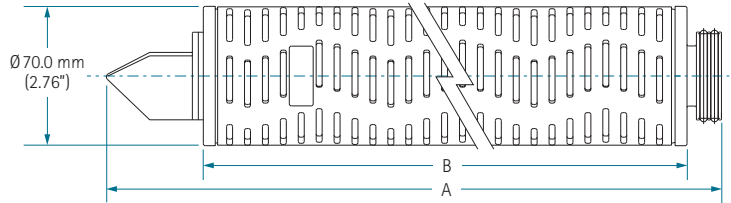
Fluorogard PE Filters – Code 0



Length	A	B
10"	262.0 mm (10.31")	245.0 mm (9.65")
20"	506.0 mm (19.92")	489.0 mm (19.25")
30"	750.0 mm (29.53")	731.0 mm (28.78")

*Note: 10" shown

Fluorogard PE Filters – Code 5



Length	A	B
10"	309.0 mm (12.17")	243.0 mm (9.57")
20"	553.0 mm (21.78")	487.0 mm (19.17")
30"	801.0 mm (31.54")	733.0 mm (28.86")

*Note: 10" shown

For More Information

Please call your Regional Customer Service Center today to learn what Entegris can do for you. Visit www.entegris.com and select the Customer Service link for the center nearest you.

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