

Fluorogard® PE Bulk Chemical Filters

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

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 changeouts batch to batch



FEATURES & BENEFITS

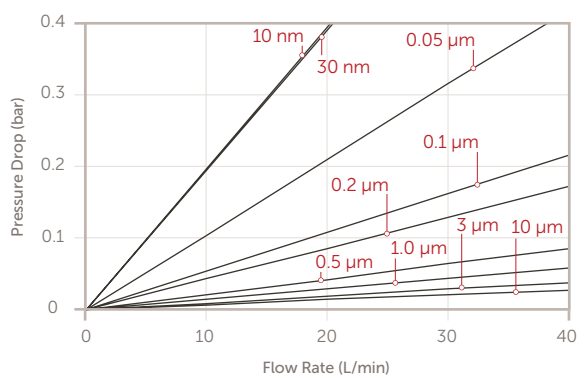
Hydrophobic PTFE membrane with HDPE supports and molded parts	<p>Engineered as a clean filter</p> <ul style="list-style-type: none"> • Enables good retention and particle removal capabilities • Controls contamination with low metal extractable and particle shedding • Prevents cross-contamination of filtered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

SPECIFICATIONS

Materials	Membrane	Hydrophobic PTFE
	Supports, core, sleeve, and end caps	High-density Polyethylene (HDPE)
	O-ring	E-FKM
Connections	Code 0 (AS568-222 O-rings with flat end)	
	Code 5 (AS568-222 O-rings with fin end)	
	Code 7 (AS568-226 O-rings with fin end)	
Retention rating	10, 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)	

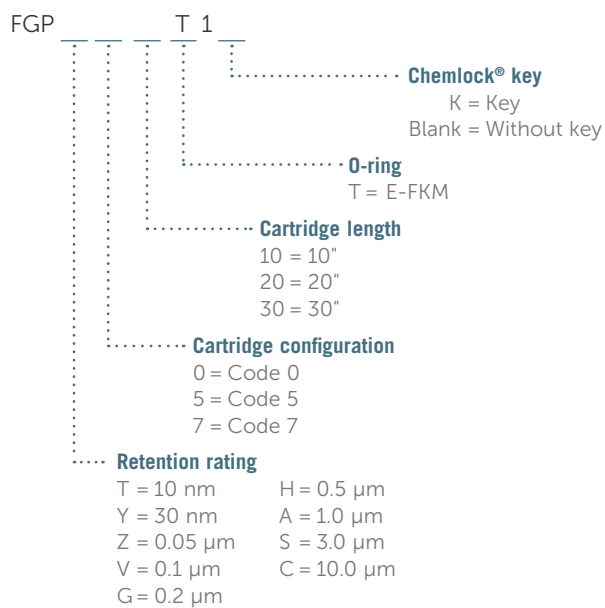
PERFORMANCE DATA

Fluorogard PE 10" Cartridge Filters (70 mm dia.)



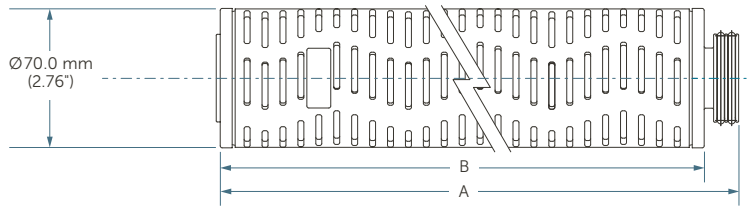
ORDERING INFORMATION

Fluorogard PE Bulk Chemical Filters: part number



DIMENSIONS

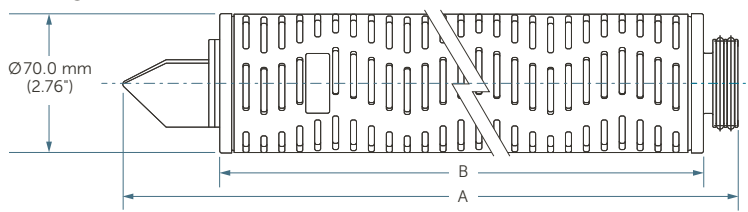
Fluorogard PE Filters – Code 0



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.

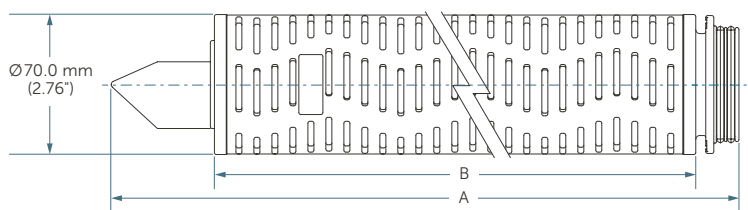
Fluorogard PE Filters – Code 5



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.

Fluorogard PE Filters – Code 7



Length	A	B
10"*	311.0 mm (12.24")	238.0 mm (9.37")
20"	557.0 mm (21.93")	484.0 mm (19.06")
30"	804.0 mm (31.65")	731.0 mm (28.78")

*Note: 10" shown.

FOR MORE INFORMATION

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