



**FLUOROGARD® ATE UCM
20 nm CARTRIDGE FILTER**

All-PTFE filter with extremely high retention and extensive cleaning for the latest high-volume organic solvent filtration



high-volume organic solvent filtration

Overview

Fluorogard® ATE UCM (Ultra Clean Metals) 20 nm filter's all-fluoropolymer construction is designed to consistently remove fine particles from organic solvents. Ideal for medium- to high-flow extended lifetime applications, Fluorogard filters deliver a low cost of ownership (COO).

Extended Filtration Efficiency

Increased filtration surface area minimizes pressure drop across the filter without compromising the enhanced particle removal characteristics. The Teflon® fluoropolymer materials combined with an extensive cleaning process minimize extractables

(chloride, metals) and other contaminants that may be detrimental to process performance and yield. Fluorogard ATE UCM filters provide the high-retention performance required, in a clean and durable device.

High Quality and Reliability

All Fluorogard ATE UCM filters are manufactured in ISO 9001 certified facilities under cleanroom conditions. All UCM devices are fully tested for integrity and metal extraction to ensure product performance standards are met.

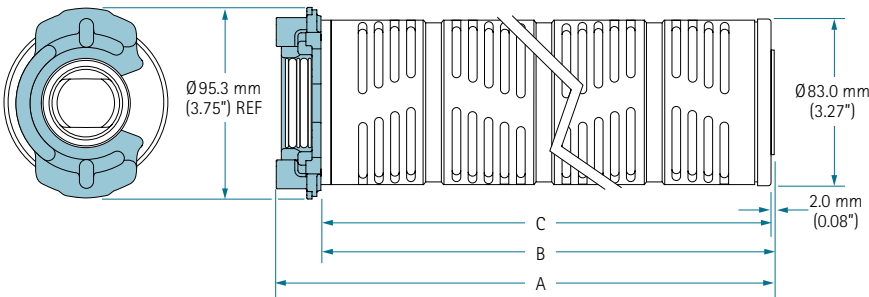
Feature	Advantage	Benefit
High retention at 20 nm	Improved single-pass retention efficiency	
Low particle shedding		Improved chemical cleanliness
Ultra-low extractable level		
	Longer lifetime	
Higher surface area using ATE M pleat structure	Lower pressure drop (less stress on other components like pumps, etc.)	Lower COO
All-fluoropolymer construction	Best chemical compatibility	Multitude of possible applications

Specifications

Materials:	Membrane	PTFE
	Supports, core, sleeve	PFA
	Cartridge o-rings	Teflon® encapsulated Viton® Extreme™ ETP (E-ETP)*
Retention ratings:	20 nm	
Membrane surface area:	2.2 m ²	
Maximum operating conditions:	Maximum forward differential pressure	0.44 MPa (4.4 bar; 64 psi) @ 25°C
		0.05 MPa (0.5 bar; 7.5 psi) @ 180°C
	Maximum reverse differential pressure	0.35 MPa (3.5 bar; 50 psi) @ 25°C
	Maximum operating temperature	180°C (at the above conditions)
Particle cleanliness:	<15 particles/10 mL ≥0.2 µm after a 5-minute flush at 5 L/min	
Metallic extractable levels:	<10 µg/10" element (100% tested)	

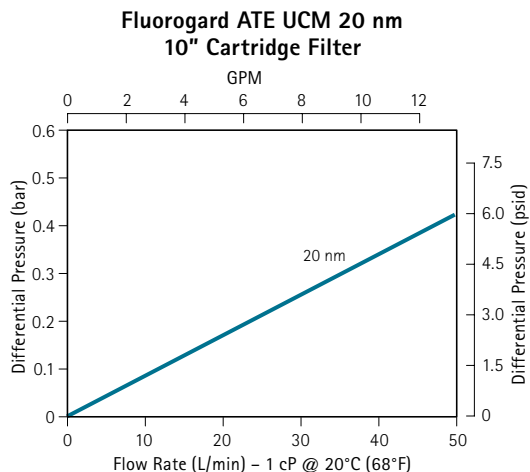
Dimensions

Fluorogard ATE UCM Cartridge Filter – End View with Chemlock® Key



Length	A	B	C
10"	244.0 mm ±2.0 mm (9.61" ±0.079")	227.0 mm ±2.0 mm (8.94" ±0.079")	225.0 mm ±2.0 mm (8.86" ±0.079")

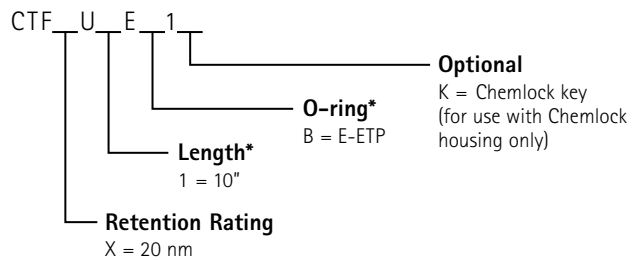
Performance Data



Ordering Information

Fluorogard ATE UCM 20 nm Cartridge Filter

Part Number



* Only 10" cartridge with E-ETP o-ring available at launch.

Different configurations (o-rings, lengths and disposables) can be developed upon request.

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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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