

Description

The UltiKleen CDS filter is Pall's standard all-fluoropolymer cartridge for the semiconductor industry. It is designed primarily for use in today's bulk chemical delivery systems.

Features & Benefits

- Excellent compatibility
- Low extractable levels
- All-fluoropolymer construction
- Three removal ratings available
- High temperature and pressure capabilities
- Optimized crescent-shaped Ultipleat® filter design
- Very high flow rates
- Low differential pressure
- Manufactured in a cleanroom environment
- 100% integrity tested



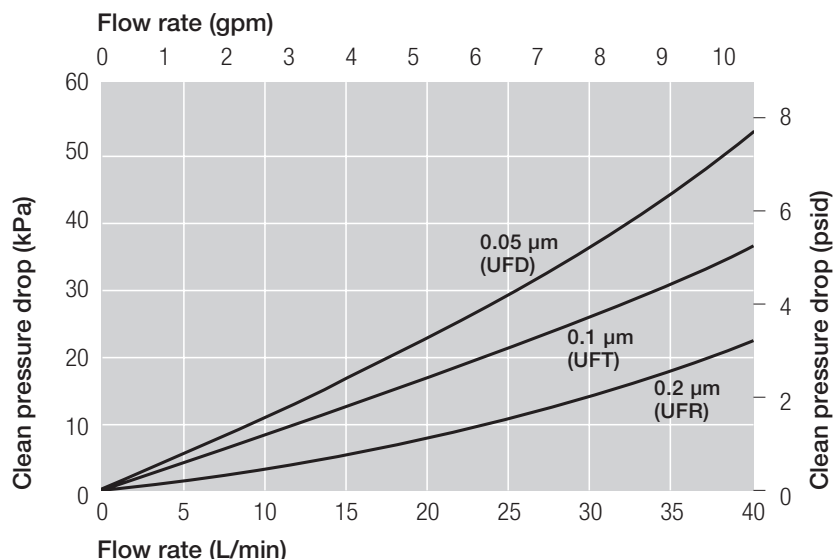
Materials of Construction

Filter Medium	PTFE
Media Support	PTFE
Core	PFA
Cage	PFA
End Caps	PFA
Sealing Methods	Heat Melt Seal
O-ring	FEP encapsulated fluoroelastomer, FFKM

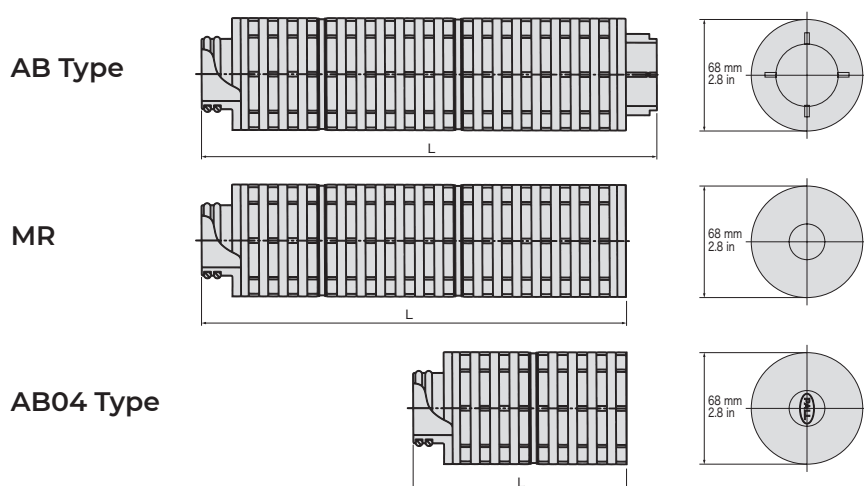
Specifications

Removal Ratings	0.2 µm, 0.1 µm, 0.05 µm			
Configurations	AB04	ABF1 / MRF1	ABF2	ABF3
Nominal Filter Area	0.5 m ² / 5.7 ft ²	1.0 m ² / 11 ft ²	2.0 m ² / 21 ft ²	3.0 m ² / 32 ft ²
Nominal Length	127 mm / 4 in	254 mm / 10 in	508 mm / 20 in	762 mm / 30 in
Maximum Operating Temperature	185 °C / 365 °F			
Maximum Forward Differential Pressure	0.69 MPa < 50 °C / 100 psid < 120 °F 0.41 MPa < 110 °C / 60 psid < 230 °F 0.24 MPa < 170 °C / 35 psid < 335 °F 0.14 MPa < 185 °C / 20 psid < 365 °F			

Typical Flow Characteristics - 1cP fluid, 20 °C



Dimensions (nominal))



Part Numbers / Ordering Information

ABF 1 UF 2 3 E 5 6

MRF 1 UF 2 4 E 5 6

Table 1

Code	Cartridge Nominal Length		
	Nominal	AB type	MR type
04	4	130 mm / 5.1 in	-
1	10	284 mm / 11.2 in	262 mm / 10.3 in
2	20	544 mm / 21.4 in	503 mm / 19.8 in
3	30	794 mm / 31.3 in	-

Table 2

Code	Removal Ratings
D	0.05 µm
T	0.1 µm
R	0.2 µm

Table 3

Code	O-ring Size
3	AS568A-222

Table 4

Code	O-ring Size
25	AS568A-222

Table 5

Code	O-ring Materials
H1	FEP encapsulated fluoroelastomer
H38	FFKM

Table 6

Code	Prewet Option
-K3	Prewet filter (packaged in DI water)
-K7	Prewet filter (packaged in DI water), Low metal extractables ¹

¹ Please contact Pall on the extractable conditions.

² Part numbers in combination with all codes are not always available. Please contact Pall for part number availability.

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IF APPLICABLE Please contact Pall Corporation to verify that the product conforms to your national legislation and/or regional regulatory requirements for water and food contact use.

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