

## Description

The Emflon PF filter is an all fluoropolymer cartridge utilizing pleated filter medium for the filtration of aggressive process fluids.

## Features and Benefits

- Excellent compatibility
- All fluoropolymer construction
- High temperature and pressure capabilities
- Very high flow rates
- Low differential pressure
- Low extractables
- Manufactured in a cleanroom environment
- 100% integrity tested
- Unique cartridge core provides exceptionally high resistance to collapse at 185 °C



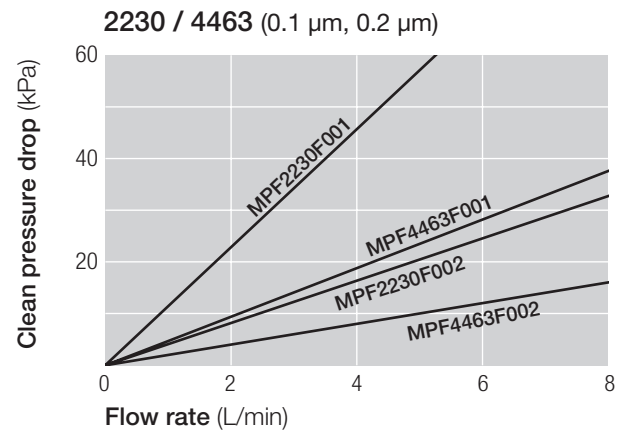
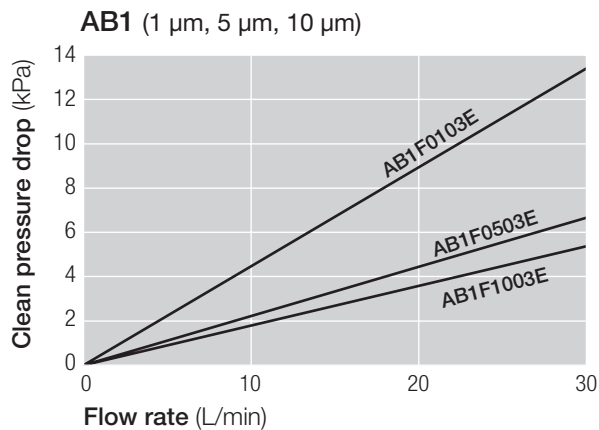
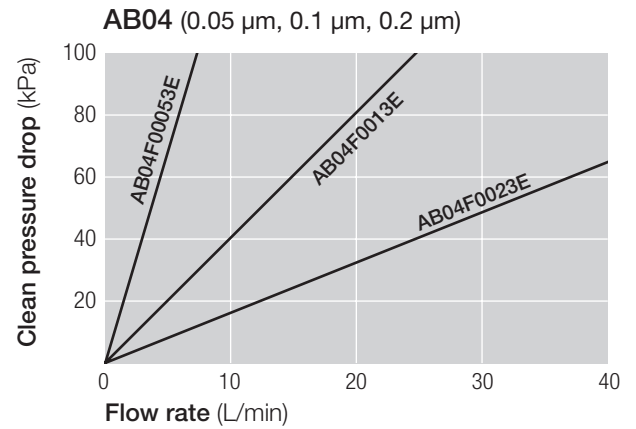
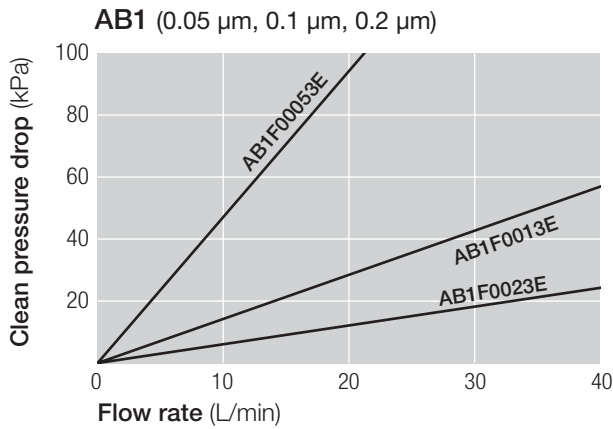
## Specifications

### Materials of Construction

Components	Materials
Filter Medium	PTFE
Media Support	FEP bonded PTFE
Core, Cage, and End Caps	PFA
Sealing Methods	Melt seal
O-ring Options	FEP encapsulated fluoroelastomer, FFKM FEP encapsulated Silicone

Configurations	AB1	AB04	4463	2230
Nominal Filter Areas	0.56 m <sup>2</sup> / 6 ft <sup>2</sup>	0.24 m <sup>2</sup> / 2.6 ft <sup>2</sup>	0.17 m <sup>2</sup> / 1.8 ft <sup>2</sup>	0.07 m <sup>2</sup> / 0.75 ft <sup>2</sup>
Nominal Length	254 mm / 10 in	102 mm / 4 in	137 mm / 5.4 in	64 mm / 2.5 in
Removal Ratings (µm)	0.05, 0.1, 0.2 1, 5, 10	0.05, 0.1, 0.2 1, 5, 10	0.1, 0.2	0.1, 0.2
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			
Maximum Reverse Differential Pressure	0.34 MPa < 20 °C / 50 psid < 68 °F			

## Typical Flow Characteristics – 1 cP fluid, 20 °C



## Part Numbers<sup>1</sup> / Ordering Information

AB 1 2 3E 3 4

MPF 5 6 E 3 4

**Table 1**

Code	Cartridge Length (Nominal)
1	254 mm / 10 in
04	102 mm / 4 in

**Table 2**

Code	Removal Ratings
F0005	0.05 µm
F001	0.1 µm
F002	0.2 µm
F010	1 µm
F050	5 µm
F100	10 µm

**Table 3**

Code	O-ring Materials
H1	FEP encapsulated fluoroelastomer
H38	FFKM
H15	FEP encapsulated silicone

**Table 5**

Code	Cartridge Length (Nominal)
2230	64 mm / 2.5 in
4463	137 mm / 5.4 in

**Table 6**

Code	Removal Ratings
F001	0.1 µm
F002	0.2 µm

**Table 4**

Code	Prewet Option
-K3	Prewet filter (packaged in DI water)
None	Dry

<sup>1</sup> Part numbers in combination with all codes are not always available. Please contact Pall for the part number availability.

Representative example part numbers

AB1F1003EH1

AB1F0503EH1

AB1F0103EH1

AB04F0023EH1

MPF2230F002EH1

MPF2230F001EH1

MPF4463F002EH1

MPF4463F002EH11



**Microelectronics**

25 Harbor Park Drive  
Port Washington, NY 11050  
+1 516 484 3600 telephone  
+1 800 360 7255 toll free US

**Nihon Pall Ltd.**

6-5-1, Nishishinjuku,  
Shinjuku-ku  
Tokyo 163-1325 Japan  
+81 3 6901 5700 telephone  
+81 3 5322 2109 fax

Visit us on the Web at [www.pall.com/microelectronics](http://www.pall.com/microelectronics)  
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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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