

## Description

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

## Features & 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

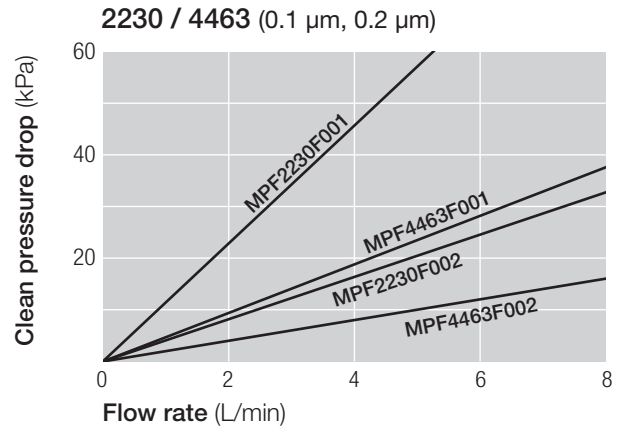
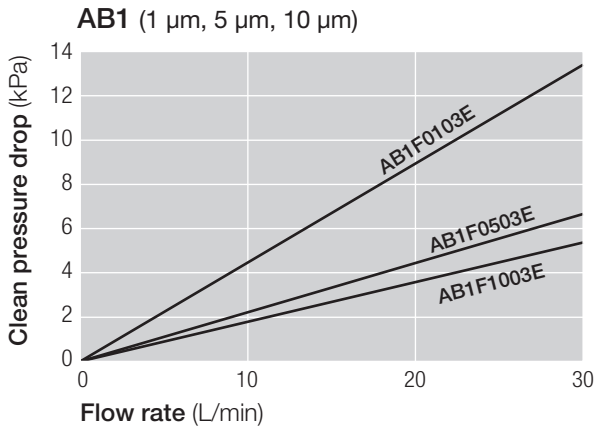
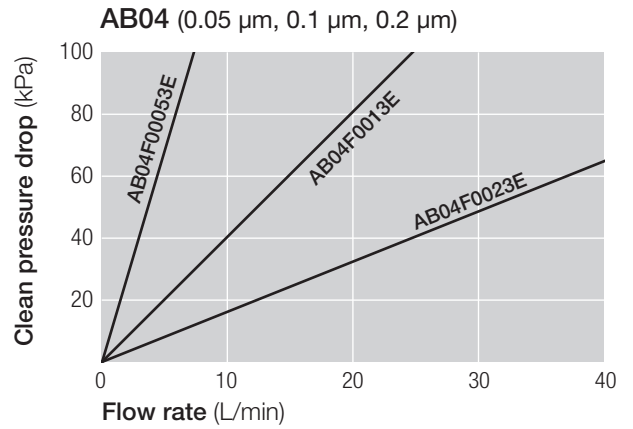
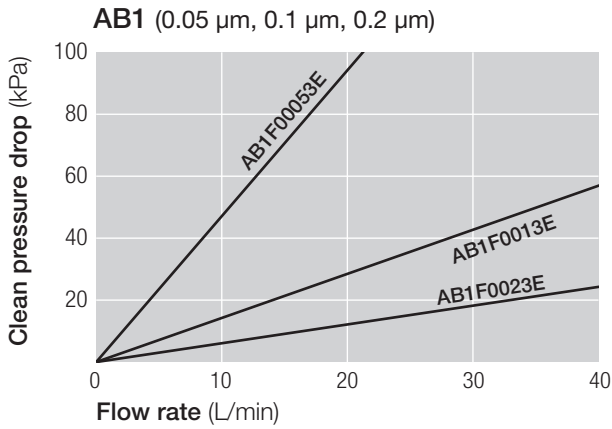
Components	Materials
Filter Medium	PTFE
Media Support	FEP bonded PTFE
Core, Cage and End caps	PFA
Sealing Methods	Melt seal
O-ring Options	FEP encapsulated fluoroelastomer, Kalrez <sup>1</sup> , Chemraz <sup>2</sup> , FEP encapsulated Silicone

<sup>1</sup> Kalrez is a registered trademark of Dupont Dow Elastomers.

<sup>2</sup> Chemraz is a registered trademark of Greene Tweed and Co.

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			

## Pressure Drop vs. Liquid Flow Rate (Water, 20°C)<sup>3</sup>



<sup>3</sup> Typical flow rates. For liquids with viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

Unit conversion : 1 bar = 100 kPa

## Part Numbers<sup>4</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
H11	Kalrez
H12	Chemraz
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>4</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



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