

Emflon® PF Filter (1.5 nm)



Data Sheet MEEFPFGENb

Description

The Emflon PF filter is an all fluoropolymer pleated filter designed for 1.5 nm filtration of bulk aggressive process gases.

Features & Benefits

- All fluoropolymer construction
- High temperature and pressure capabilities
- Optimized cartridge design
- High flow rates vs. differential pressure
- Low extractables
- Manufactured in a cleanroom environment
- 100% integrity tested



Specifications

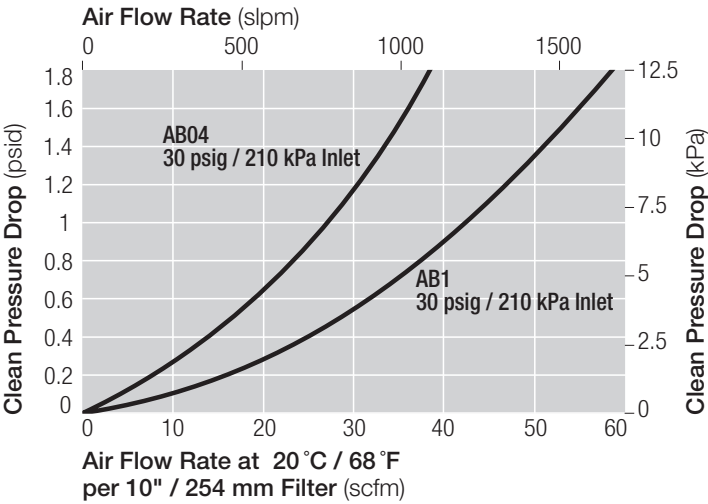
Materials of Construction

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

Configurations	AB1	AB2	AB04
Nominal Filter Areas	0.56 m ² / 6 ft ²	1.1 m ² / 12 ft ²	0.24 m ² / 2.6 ft ²
Nominal Length	254 mm / 10 in	508 mm / 20 in	102 mm / 4 in
Diameter	70 mm / 2.75 in		
O-ring Size / End Caps	Code 3 (222 double O-ring / flat end) Code 15 (226 double O-ring bayonet lock / flat end)		
Removal Ratings	≥ 1.5 nm		
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		

Pressure Drop vs. Gas Flow Rate

AB1 / AB04



Unit conversion: 1 bar = 100 kPa

Part Numbers / Ordering Information

AB 1 2 3 E 4

Table 1

Code	Cartridge Length ¹ (Nominal)
1	254 mm / 10 in
2	508 mm / 20 in
04	102 mm / 4 in

Table 2

Code	Removal Ratings
F002	≥ 1.5 nm

Table 3

Code	O-ring Specifications
3	AS568A-222
15	AS568A-226

Table 4

Code	O-ring Material ¹
H1	FEP encapsulated fluoroelastomer

¹ Other length and O-ring material options available.

Representative example part numbers

AB04F0023EH1

AB1F00215EH1

AB2F00215EH1