Emflon® Filter

Data Sheet MEEMFCHEMENc

Description

The Emflon filter is recommended for chemicals which are compatible with PTFE and polypropylene.

Features

- Wide range of configurations
- Five removal ratings
- High flow rates
- Integrity testable
- Low extractables
- Optimized design
- Manufactured in a cleanroom environment
- 100% integrity tested

Specifications

Materials of Construction

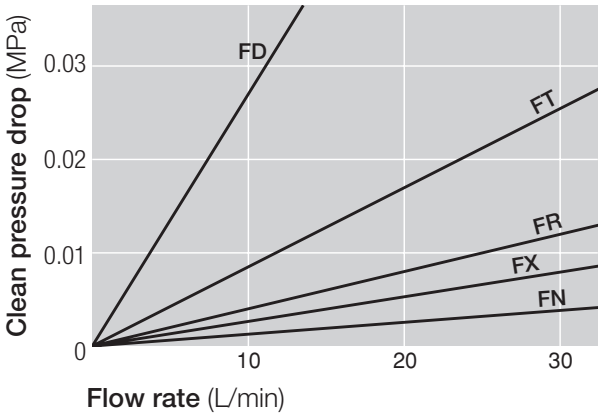
Components	Materials
Filter medium	PTFE[1]
Media Support	Polypropylene
Inner Core	Polypropylene
Outer Cage	Polypropylene
End Caps	Polypropylene

[1] All fluoropolymer components made without PFOA.

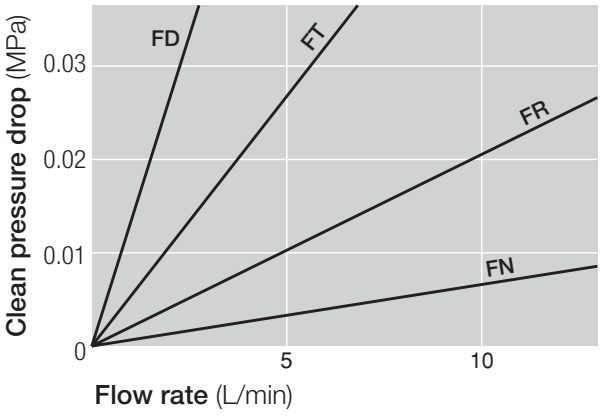
Filter Configurations		AB1	MCY1001	MCY4463	MDY2230
Nominal Filter Area		0.88 m² / 9.45 ft²	0.86 m² / 9.26 ft²	0.31 m² / 3.34 ft²	0.15 m² / 1.61 ft²
Maximum Operating Temperature		194 ˚C / 90 ˚F			
Maximum Forward Differential Pressure		80 psid @ 120 ˚F / 5.5 bar @ 50 ˚C			
		50 psid @ 121 - 195 ˚F / 3.5 bar @ 51 ˚C - 90 ˚C			
Removal Ratings	Code				
0.05 µm	FDE	○	–	○	○
0.1 µm	FTE	○	○	○	○
0.2 µm	FRE	○	○	○	○
0.45 µm	FXE	○	○	○	○
1.0 µm	FNE	○	○	○	○

Typical Flow Characteristics – 1 cP fluid, 20 °C

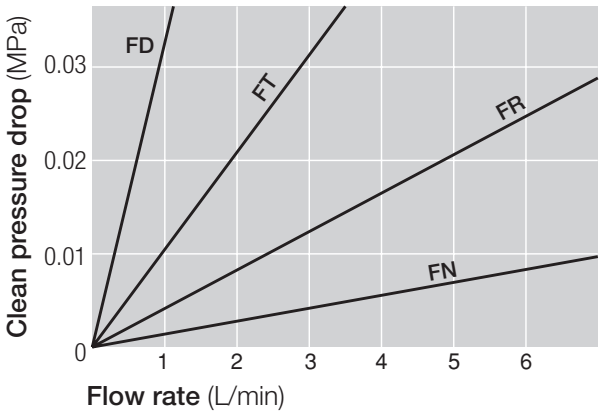
AB1, MCY1001*[2]



MCY4463



MDY2230



[2] MCY1001 is not available for FD, 0.05 µm.

Part Numbers / Ordering Information

O-Ring Seal

AB [1] [2] [3] E [4]

Table 1

Code	Nominal Cartridge Length	Filter Area
1	258 mm / 10 in	0.88 m² / 9.45 ft²
2	506 mm / 20 in	1.76 m² / 18.90 ft²
3	754 mm / 30 in	2.64 m² / 28.35 ft²

Table 2

Code	Removal Ratings
FD	0.05 µm
FT	0.1 µm
FR	0.2 µm
FX	0.45 µm
FN	1.0 µm

Table 3

Code	O-ring Specifications
7	AS568A-226
8	AS568A-222
3	AS568A-222

Table 4

Code	O-ring Materials
H4	Silicone
HF	Acid-proof Fluoroelastomer
J	EPDM
H1	FEP Encapsulated Fluoroelastomer
H38	FFKM

Internal O-ring

MCY4463 [5] E [6]

MDY2230 [5] E [6]

Table 5

Code	Removal Ratings
FD	0.05 µm
FT	0.1 µm
FR	0.2 µm
FN	1.0 µm

Table 6

Code	O-ring Materials
H4	Silicone
HF	Acid-proof Fluoroelastomer
J	EPDM
H38	FFKM

Gasket seal

MCY1001 [7] E [8]

Table 7

Code	Removal Ratings
FR	0.2 µm
FX	0.45 µm
FN	1.0 µm

Table 8

Code	O-ring Materials
H13	NRB
H	Fluoroelastomer
J	EPDM

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