

## 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

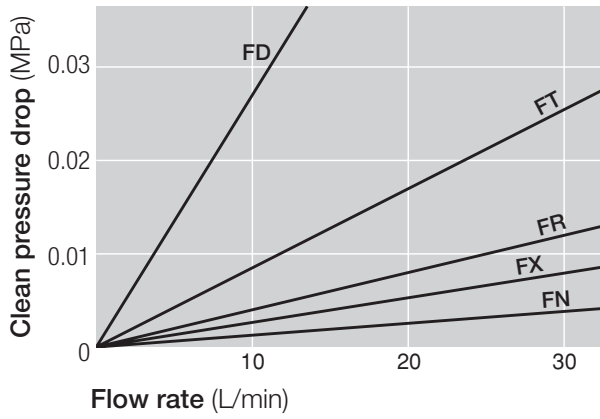
Components	Materials
Filter medium	PTFE <sup>1</sup>
Media Support	Polypropylene
Inner Core	Polypropylene
Outer Cage	Polypropylene
End Caps	Polypropylene

<sup>1</sup> All fluoropolymer components made without PFOA.

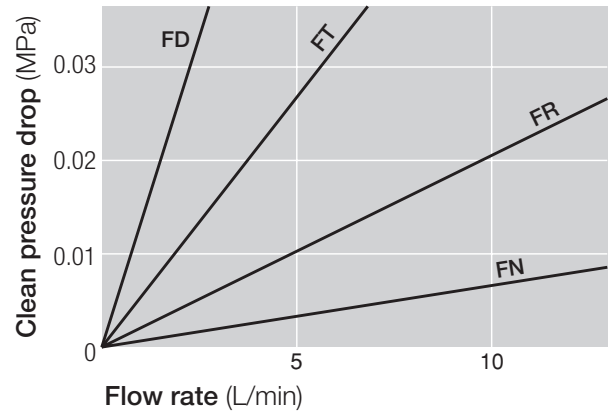
Filter Configurations	AB1	MCY1001	MCY4463	MDY2230
Nominal Filter Area	0.88 m <sup>2</sup> / 9.45 ft <sup>2</sup>	0.86 m <sup>2</sup> / 9.26 ft <sup>2</sup>	0.31 m <sup>2</sup> / 3.34 ft <sup>2</sup>	0.15 m <sup>2</sup> / 1.61 ft <sup>2</sup>
Maximum Operating Temperature	194 °C / 90 °F			
Maximum Forward 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

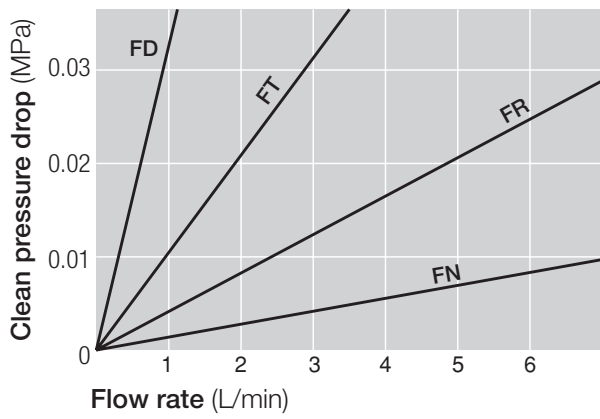
### AB1, MCY1001\*2



### 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 m <sup>2</sup> / 9.45 ft <sup>2</sup>
2	506 mm / 20 in	1.76 m <sup>2</sup> / 18.90 ft <sup>2</sup>
3	754 mm / 30 in	2.64 m <sup>2</sup> / 28.35 ft <sup>2</sup>

**Table 3**

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

### 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

**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 4**

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