

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

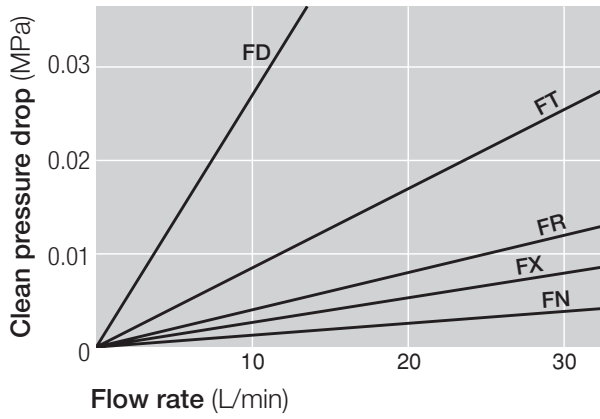
Components	Materials
Filter medium	PTFE ¹
Media Support	Polypropylene
Inner Core	Polypropylene
Outer Cage	Polypropylene
End Caps	Polypropylene

¹ All fluoropolymer components made without PFOA.

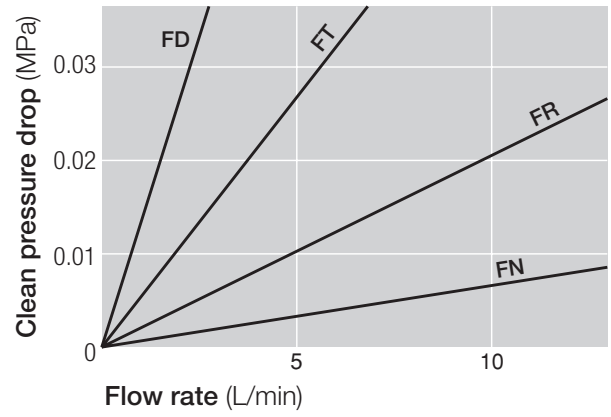
Filter Configurations	AB1	MCY1001	MCY4463	MDY2230
Nominal Filter Area	0.88 m ² / 9.45 ft ²	0.86 m ² / 9.26 ft ²	0.31 m ² / 3.34 ft ²	0.15 m ² / 1.61 ft ²
Maximum Operating Temperature	194 °C / 90 °F			
Maximum Forward Differential Pressure	80 psid @ 120 °F / 5.5 bar @ 50 °C			
	50 psid @ 121 - 195 °F / 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

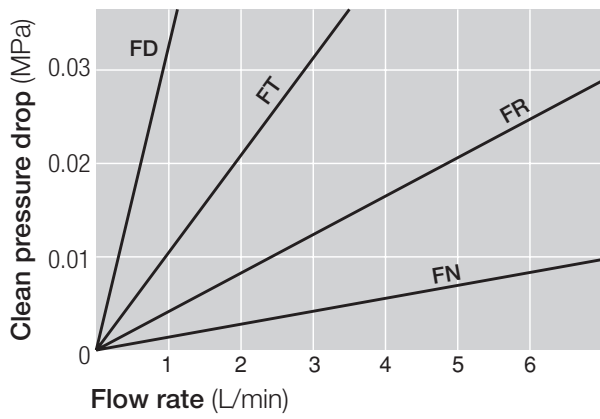
AB1, MCY1001*2



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

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
H11	Kalrez

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	EPR
H11	Kalrez ³
H1	FEP Encapsulated Fluoroelastomer

³ Kalrez is a trademark of DuPont.

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



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
Contact us at www.pall.com/contact

Pall Corporation has offices and plants throughout the world. To locate the Pall office or distributor nearest you, visit www.pall.com/contact.

The information provided in this literature was reviewed for accuracy at the time of publication. Product data may be subject to change without notice. For current information consult your local Pall distributor or contact Pall directly.

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.

© Copyright 2021, Pall Corporation. Pall, , and Emflon are trademarks of Pall Corporation.
® Indicates a trademark registered in the USA.