

Emflon® Filter



LENNTECH

info@lennotech.com
www.lennotech.com
Tel. +31-15-261.09.00
Fax. +31-15-261.62.89

Description

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

- 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

- Medium: PTFE • Core, cage, and end caps: Polypropylene • Support and drainage: Polypropylene
- O-ring options: Viton¹ and Teflon encapsulated Viton

Removal Ratings

- 5.0 µm, 1.0 µm, 0.2 µm, 0.1 µm, 0.05 µm

Filter Areas

- 10" / 254 mm: 9.45 ft² / 0.88 m²
- 20" / 508 mm: 18.90 ft² / 1.76 m²
- 30" / 762 mm: 28.35 ft² / 2.64 m²
- 40" / 1016 mm: 37.80 ft² / 3.52 m²

Configurations

- Nominal length: 10" / 254 mm, 20" / 508 mm, 30" / 762 mm, and 40" / 1016 mm
- Diameter: 2.75" / 70 mm
- O-ring size / end caps: Code 3 (222 double O-ring / flat end) Code 8 (222 double O-ring / finned end) Code 7 (226 double O-ring bayonet lock / finned end)

Operating Conditions

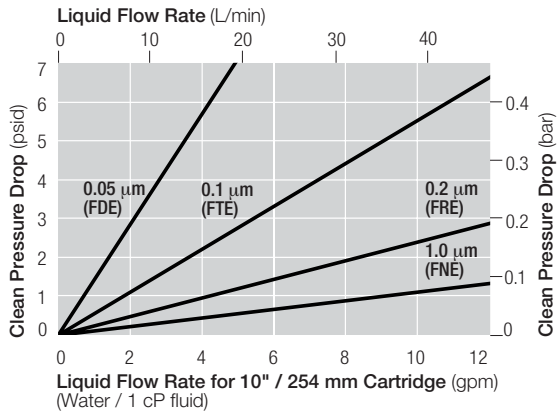
- Maximum Operating Temperature: 194°F / 90°C
- Maximum Forward Differential Pressure: 80 psid @ 120°F / 5.5 bar @ 50°C; 50 psid @ 121° - 195°F / 3.5 bar @ 51° - 90°C

Integrity Test Values²

- Per 10" / 254 mm segment
- 0.05 µm: < 45 mL / min @ 35 psig / 2.4 bar • 0.1 µm: < 64 mL / min @ 19 psig / 1.3 bar • 0.2 µm: < 32 mL / min @ 11 psig / 0.76 bar

¹ Viton and Teflon are trademarks of DuPont Dow Elastomers

Pressure Drop vs. Liquid Flow Rate³



³ For liquids with viscosity differing from water, multiply the pressure drop by the viscosity in centipoise.

Cartridge Style AB1

Part Numbers / Ordering Information

Part Number ⁴	Removal Rating (µm)	Nominal Length (in / mm)	Configuration Code	O-Ring Material ⁵
AB1FC8EJ	5.0	10 / 254	8	Ethylene Propylene
AB1FN3EH1	1.0	10 / 254	3	Teflon Encapsulated Viton
AB1FN3EHF	1.0	10 / 254	3	Viton A
AB1FR3EH1	0.2	10 / 254	3	Teflon Encapsulated Viton
AB1FR3EHF	0.2	10 / 254	3	Viton A
AB1FR7EH1	0.2	10 / 254	7	Teflon Encapsulated Viton
AB1FR8EH1	0.2	10 / 254	8	Teflon Encapsulated Viton
AB1FR8EHF	0.2	10 / 254	8	Viton A
AB2FR3EH1	0.2	20 / 508	3	Teflon Encapsulated Viton
AB2FR3EHF	0.2	20 / 508	3	Viton A
AB2FR8EHF	0.2	20 / 508	8	Viton A
AB3FR3EH1	0.2	30 / 762	3	Teflon Encapsulated Viton
AB1FT3EH1	0.1	10 / 254	3	Teflon Encapsulated Viton
AB1FT3EHF	0.1	10 / 254	3	Viton A
AB2FT3EH1	0.1	20 / 508	3	Teflon Encapsulated Viton
AB3FT3EH1	0.1	30 / 762	3	Teflon Encapsulated Viton
AB1FD8EH1	0.05	10 / 254	8	Teflon Encapsulated Viton
AB2FD3EH1	0.05	20 / 508	3	Teflon Encapsulated Viton
AB3FD3EH1	0.05	30 / 762	3	Teflon Encapsulated Viton

⁴ For prewet option add -K3 to end of part number.

⁵ Other O-ring materials are available.

Unit conversion: 1 bar = 100 kilopascals

LENNTECH


info@lenntech.com

www.lenntech.com

Tel. +31-15-261.09.00

Fax. +31-15-261.62.89

Pall Corporation has offices and plants throughout the world in locations including: Argentina, Australia, Austria, Belgium, Brazil, Canada, China, France, Germany, India, Indonesia, Ireland, Italy, Japan, Korea, Malaysia, Mexico, the Netherlands, New Zealand, Norway, Poland, Puerto Rico, Russia, Singapore, South Africa, Spain, Sweden, Switzerland, Taiwan, Thailand, United Arab Emirates, United Kingdom, United States, and Venezuela.

© Copyright 2004, Pall Corporation. Pall,  are trademarks of Pall Corporation. ® Indicates a Pall trademark registered in the USA. Filtration. Separation. Solution.SM is a service mark of Pall Corporation.