



High-Flow Emflon® Filter Element



Description

The High-Flow Emflon filters are designed for bulk nitrogen and clean dry air applications in the LCD and semiconductor industries where flow rates exceed 2,000 Nm³/h / 1,000 SCFM.

- High particle retention
- Exceptionally high flow rates
- Low differential pressure
- 100% integrity tested
- Flow rates up to 6,500 Nm³/h / 3,826 SCFM

Product Benefits

- A single 1,016 mm / 40 in HFE filter can replace up to (30) standard 254 mm / 10 in long x 70 mm / 2.75 in diameter cartridges. This allows for the use of smaller housings which will lower capital investment and offers a smaller installation footprint
- Reduced time for filter replacements

Specifications

Materials

- Medium: PTFE
- Support: Polypropylene
- Cage and end caps: Polypropylene
- Internal Core: 316L Stainless Steel
- U-cup seal: EPR

Removal Rating

- ≥ 3nm

Typical Filter Area

- 508 mm / 20 in: 4.6 m² / 50 ft²
- 1,016 mm / 40 in: 9.2 m² / 100 ft²

Configurations

- Nominal Lengths:
 - 508 mm / 20 in
 - 1,016 mm / 40 in
- Diameter: 171.5 mm / 6.75 in
- U-Cup Seal

Operating Conditions

Maximum differential pressure:

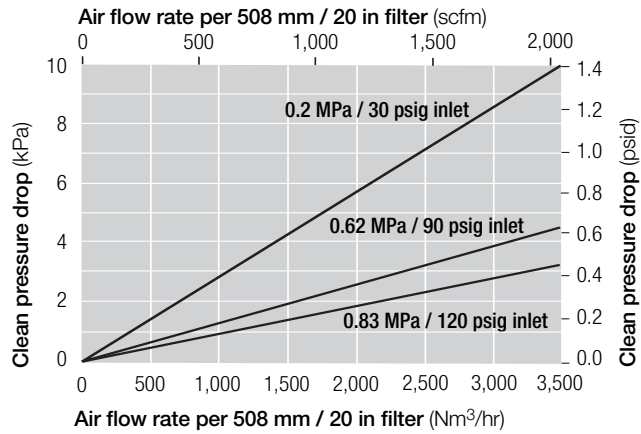
- 0.276 MPa @ 60°C / 40 psid @ 140°F

Filter Housings

High-Flow Emflon stainless steel filter housings are available in a wide variety of connection sizes, connection types, surface finishes and code requirements to meet your specific needs. Please contact your local Pall representative to discuss the appropriate housing for your application.

Pressure Drop vs. Gas Flow Rate

High-Flow Emflon Clean Pressure Differential at 20°C / 68°F



Part Numbers/Ordering Information

Part Number	Nominal Length (mm / in)	Outer Diameter (mm / in)	U-Cup Seal	Flow Rate Nm ³ /h / SCFM
HFE620FGJU	508 / 20	171.5 / 6.75	EPR	3,250 / 1,913
HFE640FGJU	1,016 / 40	171.5 / 6.75	EPR	6,500 / 3,826




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