

High-Flow Emflon® Filter (1.5 nm)



Data Sheet MEHFEENC

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

Features & 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

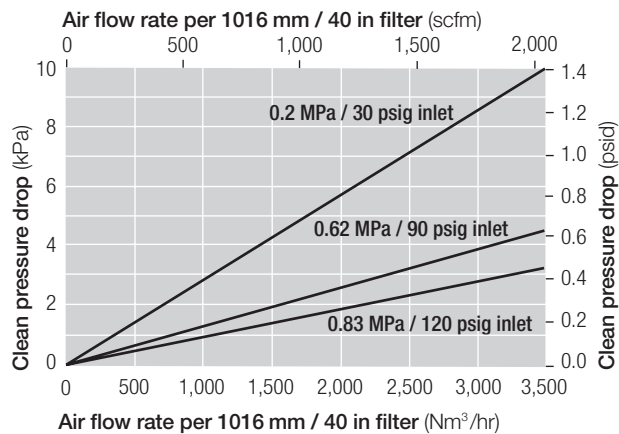
Materials of Construction

Components	Materials
Filter Medium	PTFE
Media Support	Polypropylene
Cage and End Caps	Polypropylene
Internal Core	316L Stainless steel
U-cup Seal	EPR

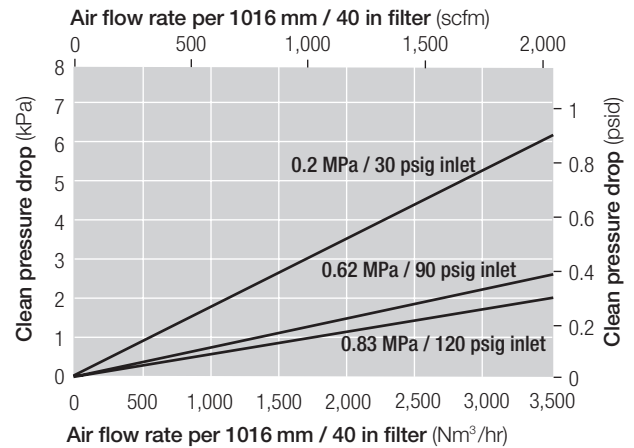
Configurations	20 inch	40 inch
Nominal Filter Areas	4.6 m ² / 50 ft ²	9.2 m ² / 100 ft ²
Nominal Length	508 mm / 20 in	1,016 mm / 40 in
Diameter	171.5 mm / 6.75 in	
Removal Ratings	FG : ≥ 1.5 nm / FN : ≥ 0.1 μm	
Maximum Operating Temperature	60 °C / 140 °F	
Maximum Forward Differential Pressure	0.276 MPa @ 60 °C / 40 psid @ 140 °F	

Pressure Drop vs. Gas Flow Rate (20 °C / 68 °F)

FG grade



FN grade



Part Numbers / Ordering Information

HFE6 1 2 JU

Table 1

Code	Cartridge Length (Nominal)	Flow Rate
20	508 mm / 20 in	3,250 Nm³ / h / 1,913 SCFM
40	1016 mm / 40 in	6,500 Nm³ / h / 3,826 SCFM

Table 2

Code	Removal Ratings
FG	≥ 1.5 nm
FN	≥ 0.1 μm

Representative example part numbers

HFE620FGJU

HFE640FGJU

HFE640FNJU

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.



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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.

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