



FLHF Kleen-Change® Assembly



Description

The Pall FLUORYTE™ High Flow Filter is available in a Kleen-Change assembly with 0.1 µm and 0.05 µm retention ratings. The Pall Fluoryte filter offers a combination of proprietary PTFE membrane and specially engineered PTFE support material to provide superior flow performance for these sub-micron rated filters.

The Kleen-Change assembly is a completely disposable filter unit that combines the Fluoryte High Flow filter with Pall's all PFA housing. This provides a high flow disposable assembly option for today's demanding chemical applications. Designed for use where high flow, high temperature and pressure or high viscosity fluids require 0.05 µm retention.

- All high purity fluoropolymer materials ensures excellent cleanliness
- Very high flow rates
- Eliminates O-rings
- Low extractables
- Compatible with virtually all chemicals¹
- 100% integrity tested
- Low metal ion extractable option

Operating Recommendations

- Available prewet as option (-K3)
- Proper wetting procedures should be followed if prewet option is not selected. IPA or other low surface tension wetting liquids need to be completely flushed out prior to chemical contact.
- Must allow for proper venting
- Pulse dampening should be designed into the system

Specifications

Materials

- Medium: PTFE
- Cartridge Hardware: High purity PFA
- Support: PTFE
- Housing: High purity PFA

Removal Rating

- 0.1 µm , 0.05 µm

Connections

Inlet, Outlet / Vent, Drain

- ¼" Male flare style / ¼" Male flare style
- ¾" Female Super Pillar² S300 / ½" Female Super Pillar² S300

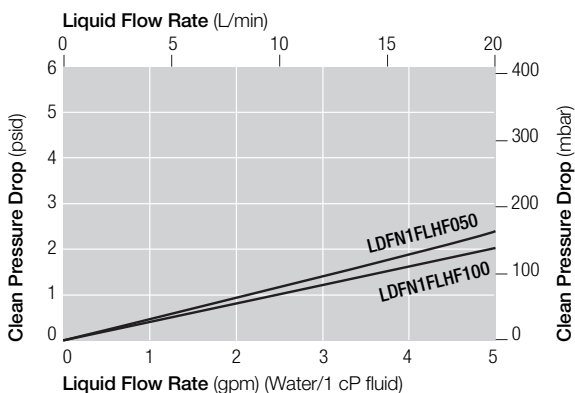
Operating Conditions

- Maximum Forward Differential Pressure:
5.5 bar @ 50°C/80 psid @ 120°F
- Maximum Reverse Differential Pressure:
3.5 bar @ 20°C/50 psid @ 68°F

¹ Consult Pall Microelectronics for recommendations for Hot Phosphoric or Hot Sulfuric, SPM, above 90°C.

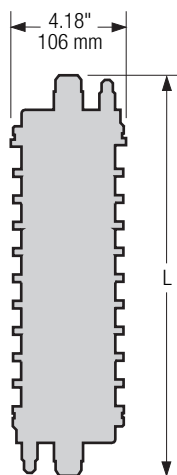
² Pillar is a trademark of Pillar Packing Co.

Pressure Drop vs. Liquid Flow Rate⁴



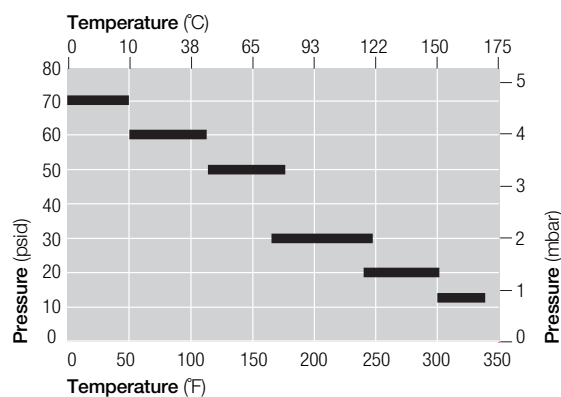
⁴ For liquids with viscosity differing from water, multiply the pressure drop by the viscosity in centipoises.

Dimensions



In-Line Design LDFN

Assembly Temperature vs. Allowable Pressure



Part Numbers/Ordering Information

Part Number ^{5,6}	Removal Rating (μm)	Connections Inlet, Outlet / Vent, Drain	Nominal Length L (mm / in)
LDFN1FLHF10012E51	0.1	3/4" Male flare style / 1/4" Male flare style	387 / 15.2
LDFN1FLHF10012E51-K3	0.1	3/4" Male flare style / 1/4" Male flare style	387 / 15.2
LDFN1CFLHF10012E51-K3	0.1	3/4" Male flare style / 1/4" Male flare style	387 / 15.2
LDFN09FLHF10012E51-K3	0.1	3/4" Male flare style / 1/4" Male flare style	356 / 14
LDFN09CFLHF10012E51-K3	0.1	3/4" Male flare style / 1/4" Male flare style	356 / 14
LDFN05FLHF10013E71-K3	0.1	3/4" Female Super Pillar S300 / 1/2" Female Super Pillar S300	248 / 9.8
LDFN05CFLHF10013E71-K3	0.1	3/4" Female Super Pillar S300 / 1/2" Female Super Pillar S300	248 / 9.8
LDFN1FLHF05012E51	0.05	3/4" Male flare style / 1/4" Male flare style	387 / 15.2
LDFN1FLHF05012E51-K3	0.05	3/4" Male flare style / 1/4" Male flare style	387 / 15.2
LDFN1CFLHF05012E51-K3	0.05	3/4" Male flare style / 1/4" Male flare style	387 / 15.2
LDFN09FLHF05012E51-K3	0.05	3/4" Male flare style / 1/4" Male flare style	356 / 14
LDFN09CFLHF05012E51-K3	0.05	3/4" Male flare style / 1/4" Male flare style	356 / 14
LDFN05FLHF05013E71-K3	0.05	3/4" Female Super Pillar S300 / 1/2" Female Super Pillar S300	248 / 9.8
LDFN05CFLHF05013E71-K3	0.05	3/4" Female Super Pillar S300 / 1/2" Female Super Pillar S300	248 / 9.8

⁵ "K3" at end of part number added for prewet option.

⁶ "C" added following the assembly length (1,09,05) for ultra clean low metal extractable option.

Unit Conversion: 1 bar = 100 kilopascals



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