

## Description

The Megaplast In-Line PFA filter housing is designed to meet the stringent cleanliness and compatibility requirements of ultrapure chemicals. The housing is designed to provide excellent mechanical characteristics without utilizing any metallic components.

## Features & Benefits

- High-purity design
- Low hold-up volume
- Closure threads are on the "dry" side
- Closure nut is free-floating, insuring a good closure seal
- High temperature and pressure rating
- Cleaned and packaged under controlled cleanroom conditions
- Accepts Code 3 filter cartridges
- Unique true in-line flow path
- Small envelope design enables easier installation inside cabinets and benches
- Bowl does not rotate against O-ring seal when securing head



## Specifications

### Materials<sup>1</sup>

One piece molded PFA Head

One piece molded PFA Bowl

|                |                                  |
|----------------|----------------------------------|
| Closure Nut    | PVDF (PTFE Optional)             |
| Mounting Bolts | stainless steel M6 x 14 mm bolts |
| O-ring         | FEP encapsulated fluoroelastomer |

### Configurations

|                                 |   |
|---------------------------------|---|
| Connection Options <sup>2</sup> | 3/8", 1/2", 3/4", 1" flare style (male) |
| Code 3 Cartridge Adaptor        | 222 double O-ring / flat end            |
| Vent / Drain                    | 1/4" flare style                        |
|                                 | 127 mm / 5", 254 mm / 10"               |

### Operating Conditions

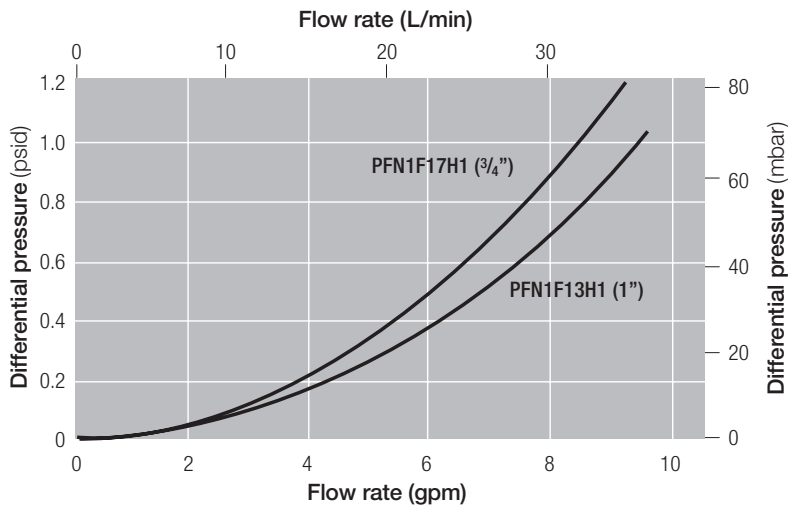
|                            |  |
|----------------------------|--|
| Maximum Operating Pressure | 81 psig @ 86 °F / 5.6 bar @ 30 °C<br>41 psig @ 203 °F / 2.8 bar @ 95 °C<br>15 psig @ 302 °F / 1.0 bar @ 150 °C <sup>3</sup><br>(above 95 °C with the PTFE collar nut only) |
|----------------------------|--|

<sup>1</sup> PFOA free fluoropolymer

<sup>2</sup> Other options may be available as a special order.

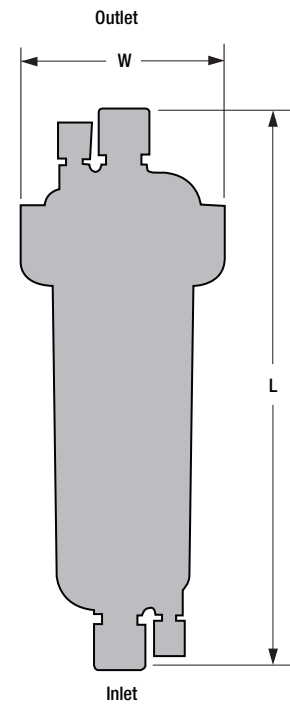
<sup>3</sup> PTFE collar nut required for temperature above 95°C to 150°C maximum.

## Typical Flow Characteristics - 1cP fluid, 20 °C



| Collar Nut Option | Width (W)       |
|-------------------|-----------------|
| PVDF Collar Nut   | 140 mm / 5.5 in |
| PTFE Collar Nut   | 145 mm / 5.7 in |

## Dimensions



## Ordering Information<sup>4</sup>

| Part Number | Description   | Vent Drain             | Length (L)<br>(mm/in.) |
|-------------|---|------------------------|------------------------|
| PFN04F08H1  | 3/8 " Male flare style, 127 mm / 5 " Bowl, FEP Encapsulated Fluoroelastomer O-Ring  |                        | 242 / 9.5              |
| PFN04F13H1  | 3/4 " Male flare style, 127 mm / 5 " Bowl, FEP Encapsulated Fluoroelastomer O-Ring  |                        | 242 / 9.5              |
| PFN1F09H1   | 1/2 " Male flare style, 254 mm / 10 " Bowl, FEP Encapsulated Fluoroelastomer O-Ring | 1/4 " Male flare style | 390 / 15.4             |
| PFN1F13H1   | 3/4 " Male flare style, 127 mm / 5 " Bowl, FEP Encapsulated Fluoroelastomer O-Ring  |                        | 390 / 15.4             |
| PFN1F17H1   | 1 " Male flare style, 254 mm / 10 " Bowl, FEP Encapsulated Fluoroelastomer O-Ring   |                        | 390 / 15.4             |

<sup>4</sup> All styles are available with a PTFE collar nut for high temperature applications.  
For this option, add a "P" to the part number after PFN to read PFNP.



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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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