

Megaplast™ G2 Filter Housing



Data Sheet MEMPG2END

Description

The Megaplast G2 housing is designed to accommodate 102 mm / 4 in., 254 mm / 10 in. and 508 mm / 20 in. filter cartridges up to 82.5 mm / 3.25 in. in diameter. The connections are molded directly into the head and bowl, reducing the space required for fit up. These housings are designed to meet the stringent cleanliness requirements of ultrapure applications by utilizing PFA for all wetted components.

Features & Benefits

- High-purity design
- Metal-free construction
- High temperature capability
- Closure threads are on the "dry" side
- Closure nut is free floating
- Cleaned and packaged under controlled cleanroom conditions



Specifications

Materials¹

Molded High-Purity PFA Head with Molded Connections

Molded High-Purity PFA Bowl with Molded Vent and Drain

Closure Nut	PTFE or PVDF
Mounting Bolts	PVDF (glass-filled)
O-ring ²	FEP encapsulated fluoroelastomer

Configurations

Connection Options	3/4", 1" male flare style, 3/4" NPT, 3/4", 1" Butt weld
102 mm / 4", 254 mm / 10", and 508 mm / 20" cartridges (double 222 O-ring / flat end) up to 82.5 mm / 3.25" diameter	
Vent / Drain Connections	1/4", 1/2" male flare style, 1/4" NPT, 1/4", 1/2" Butt weld
Mounting Bolts	4 hex bolts M8 x 80 + nut

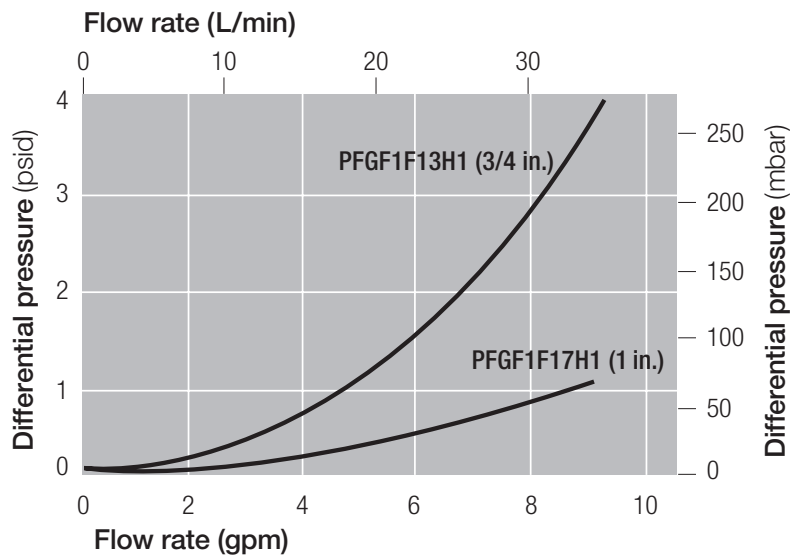
Operating Conditions

Maximum Operating Pressure	5.6 bar @ 30°C / 80 psig @ 86 °F
	3.8 bar @ 60°C / 55 psig @ 140 °F
	2.8 bar @ 95°C / 40 psig @ 200 °F

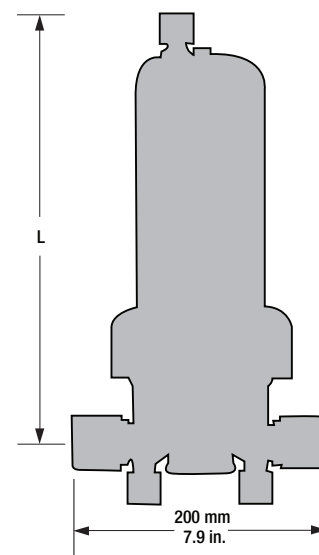
¹ PFOA free fluoropolymer

² Other o-ring options available

Typical Flow Characteristics - 1cP fluid, 20 °C



Dimensions



Ordering Information

Part Number ³	Description	Inlet / Outlet	Vent Drain	Length (L) (mm/in.)
PFGF04F13H1	102 mm / 4 " Housing PVDF Collar Nut	3/4 " flare style	1/4 " flare style	247 / 9.72
PFGF04F17H1	102 mm / 4 " Housing PVDF Collar Nut	1 " flare style	1/2 " flare style	251 / 9.88
PFGF04N12H1	102 mm / 4 " Housing PVDF Collar Nut	3/4 " NPT	1/4 " NPT	227 / 8.94
PFGF04P12H1	102 mm / 4 " Housing PVDF Collar Nut	3/4 " Butt Weld	1/4 " Butt Weld	242 / 9.53
PFGF04P16H1	102 mm / 4 " Housing PVDF Collar Nut	1 " Butt Weld	1/2 " Butt Weld	242 / 9.53
PFGF1F13H1	254 mm / 10 " Housing PVDF Collar Nut	3/4 " flare style	1/4 " flare style	377 / 14.85
PFGF1F17H1	254 mm / 10 " Housing PVDF Collar Nut	1 " flare style	1/2 " flare style	381 / 15.0
PFGF1N12H1	254 mm / 10 " Housing PVDF Collar Nut	3/4 " NPT	1/4 " NPT	357 / 14.06
PFGF1P12H1	254 mm / 10 " Housing PVDF Collar Nut	3/4 " Butt Weld	1/4 " Butt Weld	372 / 14.65
PFGF1P16H1	254 mm / 10 " Housing PVDF Collar Nut	1 " Butt Weld	1/2 " Butt Weld	372 / 14.65
PFGF2F13H1	508 mm / 20 " Housing PVDF Collar Nut	3/4 " flare style	1/4 " flare style	639 / 25.16
PFGF2F17H1	508 mm / 20 " Housing PVDF Collar Nut	1 " flare style	1/2 " flare style	643 / 25.31
PFGF2N12H1	508 mm / 20 " Housing PVDF Collar Nut	3/4 " NPT	1/4 " NPT	619 / 24.37
PFGF2P12H1	508 mm / 20 " Housing PVDF Collar Nut	3/4 " Butt Weld	1/4 " Butt Weld	634 / 24.96
PFGF2P16H1	508 mm / 20 " Housing PVDF Collar Nut	1 " Butt Weld	1/2 " Butt Weld	634 / 24.96

Spanner Wrench part number: ACS0655AA

³ For liquids other than water, multiply the pressure drop by the specific gravity of the fluid.

Unit conversion: 1 bar = 100 kilopascals