

Megaplast™ G2 Filter Housing



Description

The Megaplast G2 housing is designed to accommodate 4" / 102 mm, 10" / 254 mm and 20" / 508 mm filter cartridges up to 3.25" / 82.5 mm 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 chemicals by utilizing PFA for all wetted components.

- 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

Materials

- Molded PFA (440HP) head with molded connections
- Molded PFA (440HP) bowl with molded vent and drain
- Closure nut: PTFE or PVDF
- Mounting bolts: PVDF (glass-filled)
- O-ring³: Teflon¹ encapsulated Viton¹

Configurations

- Connection Options:
 - ¾", 1" male Flaretek²
 - ¾" NPT
 - ¾", 1" Butt weld
- 4" / 102 mm, 10" / 254 mm and 20" / 508 mm cartridges (double 222 O-ring / flat end) up to 3.25" / 82.5 mm diameter
- Vent / drain connections
 - ¼", ½" male Flaretek
 - ¼" NPT
 - ¼", ½" Butt weld
- Mounting bolts: 4 hex bolts M8 x 80 + nut

Operating Conditions

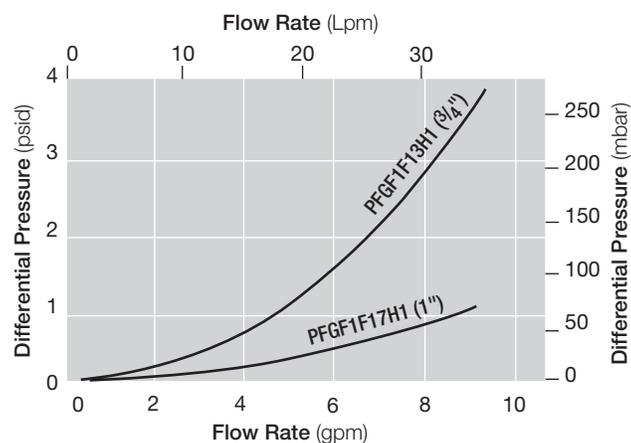
- Maximum Operating Pressure:
 - 80 psig @ 86°F / 5.6 bar @ 30 °C
 - 40 psig @ 200°F / 2.8 bar @ 9 °C

¹ Teflon and Viton are trademarks of DuPont Dow Elastomers

² Flaretek is a registered trademark of Entegris, Inc.

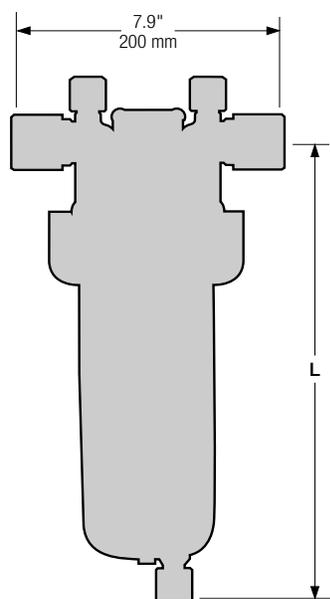
³ Other O-ring options available.

Pressure Drop vs. Liquid Flow Rate⁴



⁴ For liquids other than water, multiply the pressure drop by the specific gravity of the fluid.

Dimensions



Part Numbers / Ordering Information

Part Number ⁵	Description	Inlet / Outlet	Vent Drain	Length (L) (in / mm)
PFGF04F13H1	4" / 102 mm Housing PVDF Collar Nut	3/4" Flaretek	1/4" Flaretek	9.72 / 247
PFGF04F17H1	4" / 102 mm Housing PVDF Collar Nut	1" Flaretek	1/2" Flaretek	9.88 / 251
PFGF04N12H1	4" / 102 mm Housing PVDF Collar Nut	3/4" NPT	1/4" NPT	8.94 / 227
PFGF04P12H1	4" / 102 mm Housing PVDF Collar Nut	3/4" Butt Weld	1/4" Butt Weld	9.53 / 242
PFGF04P16H1	4" / 102 mm Housing PVDF Collar Nut	1" Butt Weld	1/2" Butt Weld	9.53 / 242
PFGF1F13H1	10" / 254 mm Housing PVDF Collar Nut	3/4" Flaretek	1/4" Flaretek	14.85 / 377
PFGF1F17H1	10" / 254 mm Housing PVDF Collar Nut	1" Flaretek	1/2" Flaretek	15.0 / 381
PFGF1N12H1	10" / 254 mm Housing PVDF Collar Nut	3/4" NPT	1/4" NPT	14.06 / 357
PFGF1P12H1	10" / 254 mm Housing PVDF Collar Nut	3/4" Butt Weld	1/4" Butt Weld	14.65 / 372
PFGF1P16H1	10" / 254 mm Housing PVDF Collar Nut	1" Butt Weld	1/2" Butt Weld	14.65 / 372
PFGF2F13H1	20" / 508 mm Housing PVDF Collar Nut	3/4" Flaretek	1/4" Flaretek	25.16 / 639
PFGF2F17H1	20" / 508 mm Housing PVDF Collar Nut	1" Flaretek	1/2" Flaretek	25.31 / 643
PFGF2N12H1	20" / 508 mm Housing PVDF Collar Nut	3/4" NPT	1/4" NPT	24.37 / 619
PFGF2P12H1	20" / 508 mm Housing PVDF Collar Nut	3/4" Butt Weld	1/4" Butt Weld	24.96 / 634
PFGF2P16H1	20" / 508 mm Housing PVDF Collar Nut	1" Butt Weld	1/2" Butt Weld	24.96 / 634

⁵ All styles are available with a PTFE collar nut. For this option, change the fourth letter in the part number to a "P".

Unit conversion: 1 bar = 100 kilopascals



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