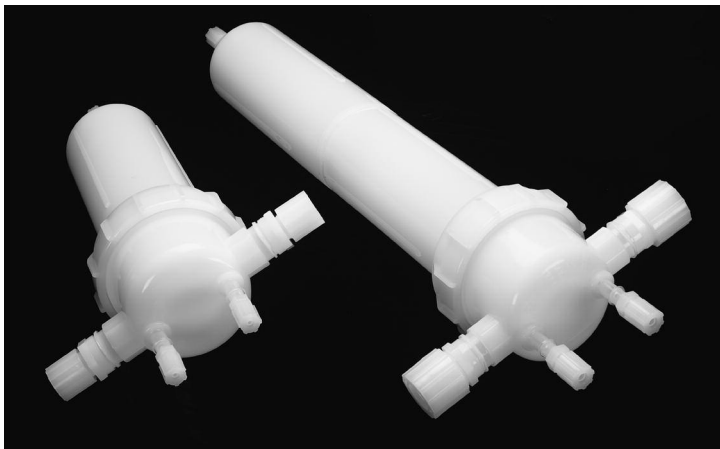




Microelectronics

Fluoro-Plus™ II PFA Filter Housings



Description

PFA single cartridge filter housing for critical chemical applications in electronics

- High purity 100% fluoropolymer construction
- All wetted parts are fluoropolymers (PVDF non-wetted)
- Stationary bowl with rotating locking ring ensures positive closure seal and easy filter replacement
- Designed for higher temperature and pressure applications
- Choice of two filter inlet/outlet configurations for easy installation
- Packaged in a cleanroom environment
- Full 1" / 25 mm inlet/outlet ports for increased flow available in 10" / 254 mm, 20" / 508 mm and 30" / 762 mm

Specifications

Materials of Construction

- Housing: High purity PFA head, bowl and plugs
- O-ring: FEP encapsulated fluoroelastomer
- Locking Ring: PVDF (non-wetted part)

Connections

- Inlet / Outlet: 3/4" or 1" flare, Flowell¹, Pillar², 3/4" or 1" butt weld pipe
- Vent and Drain: 1/4" flare, 3/8" flare, 1/4" butt weld pipe, 1/4" female NPT, 1/4" closed end
- Cartridge Connection: Double 222 O-ring

Operating Conditions

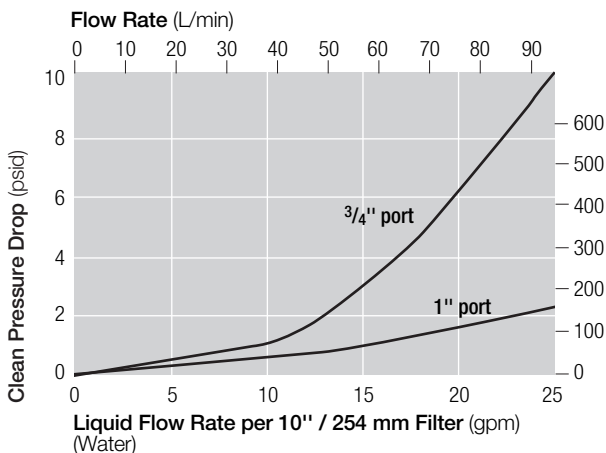
- Maximum Operating Pressure
50 psig @ 194°F / 3.4 bar @ 90°C
100 psig @ 77°F / 6.9 bar @ 25°

Note: Maximum operating pressure ratings are vessel ratings only. Safe operating temperature and pressure will depend on filter cartridge and O-ring used. Product not rated for gas service. For inquiries on compatibility, contact Pall Microelectronics.

¹ Flowell is a product of Flowell Co., Ltd.

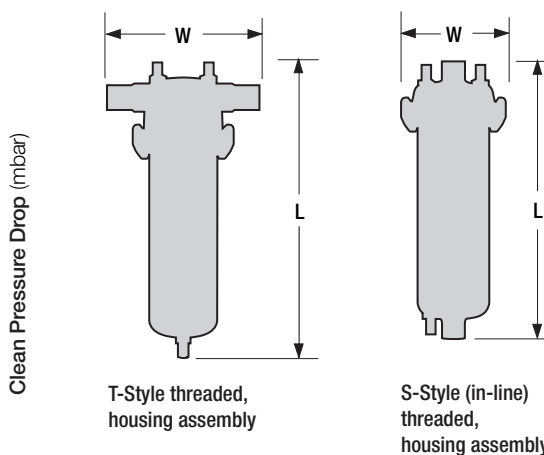
² Pillar Fitting is a trademark of Nippon Pillar Packing Co., Ltd.

Pressure Drop vs. Liquid Flow Rate³



³ For liquids other than water, multiply the pressure drop by the specific gravity of the fluid. Pressure drop curve represents an empty housing.

Dimensions



Dimensional Data

Description	Housing Style	Length (L) (in / mm)		Width (W) (in / mm)	
		T	S	T	S
Fluoro-Plus II PFA 10" / 254 mm housing with:	¾" Butt weld pipe fitting	16.0 / 406	17.3 / 439	9.0 / 229	5.9 / 150
	¾" Flare style fitting	19.5 / 495	16.3 / 414	10.5 / 267	5.9 / 150
	1" Butt weld pipe fitting	16.0 / 406	14.3 / 363	9.0 / 229	5.9 / 150
	1" Flare style fitting	19.5 / 495	16.3 / 414	11.0 / 279	5.9 / 150
Fluoro-Plus II PFA 20" / 508 mm housing with:	¾" Butt weld pipe fitting	25.7 / 653		9.0 / 229	
	¾" Flare style fitting	29.3 / 744		10.5 / 267	
	1" Butt weld pipe fitting	25.7 / 653		9.0 / 229	
	1" Flare style fitting	29.3 / 744		11.0 / 279	
Fluoro-Plus II PFA 30" / 762 mm housing with:	¾" Butt weld pipe fitting	35.5 / 902		9.0 / 229	
	¾" Flare style fitting	39.1 / 993		10.5 / 267	
	1" Butt weld pipe fitting	35.5 / 902		9.0 / 229	
	1" Flare style fitting	39.1 / 993		11.0 / 279	

Part Numbers / Ordering Information

FP ■ ◆ ▼ ● ▲ ★

Code	End Configurations
T	T-style
S	Straight (in-line)

Code	Inlet/Outlet Sizes
¾	¾"
1	1"

Code	Vent/Drain Sizes
¼	¼"
¾	¾" (Flare only)

Part Number	
ACS0655AA	Spanner wrench
T8316030	Mounting clamp and bolt assembly

Code	Lengths
10	10" bowl
20	20" bowl (T-style only)
30	30" bowl (T-style only)

Code	Inlet/Outlet Styles
BW	Butt weld
FL	Flare
FG	1" Flange (T-style only)
FW	Flowell
PL	Pillar style fittings
FLC	Flare cap installed

Code	Vent/Drain Styles
BW	Butt weld
FL	Flare
CE	Closed end
FP	Female pipe thread
FW	Flowell
PL	Pillar style fittings
FLC	Flare cap installed

Unit conversion: 1 bar = 100 kilopascals



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