Megaplast™ Polypropylene and PVDF Filter Housings

Data Sheet MEMPENb

Description

The Megaplast Polypropylene and PVDF filter housings are designed to provide excellent mechanical characteristics without utilizing any metallic components. The Megaplast Polypropylene housing accommodates 254 mm / 10 in cartridges and is suitable for water service.[1] The Megaplast PVDF housing accommodates 254 mm / 10 in and 508 mm / 20 in cartridges and is suitable for water and chemical service.[1] The connections on both housings are molded directly into the head and bowl, reducing the space required for fit up.

Features & Benefits

- Low hold-up volume
- Metal free construction
- Closure threads are on the “dry” side
- Closure nut is free floating
- Cleaned and packaged under controlled cleanroom conditions

Specifications

Materials

Polypropylene TAX / TRX Housing	
Medium	Molded natural polypropylene head and bowl with molded connections, vent and drain
Closure Nut	Glass filled polyamide
O-ring[2]	Ethylene propylene

PVDF TAV Housing	
Medium	Molded PVDF head and bowl with molded connections, vent and drain
Closure Nut	Glass filled PVDF
O-ring	Ethylene propylene FEP encapsulated fluoroelastomer

[1] Product not rated for gas service. For inquiries on compatability, contact Pall Microelectronics.

[2] Other options may be available

[3] Adapter kit ACS028[ ]GA

Configurations

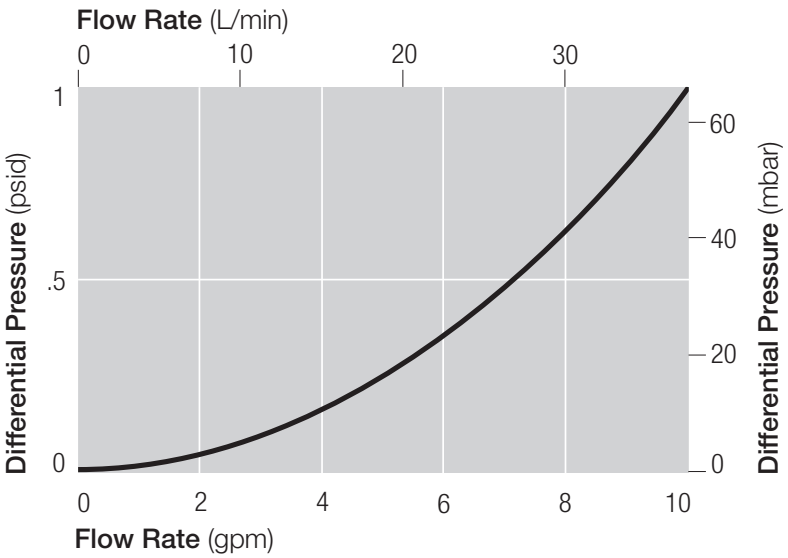
Connection options	DIN 25 male 1 in pipe stub adapter[3]	
Vent / Drain Connections	Bowl	0.25 in BSP parallel female
	Head	0.25 in BSP parallel female or supplied blank
Polypropylene TAX / TRX Housing	AB Code 3 or RF style 254 mm / 10 in cartridges	
PVDF TAV Housing	AB Code 3, 254 mm / 10 in and 508 mm / 20 in cartridges (double 222 O-ring / flat end)	

Operating Conditions

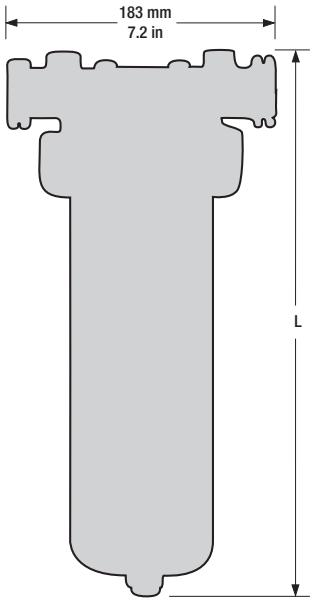
Polypropylene TAX / TRX Housing		
Maximum Operating Pressure	Water Service	5.0 bar @ 40 °C / 72.5 psig @ 104 °F

PVDF TAV Housing		
Maximum Operating Pressure	Water Service	10.0 bar @ 40 °C / 145.0 psig @ 104 °F 7.5 bar @ 80 °C / 108.8 psig @ 176 °F
	Chemical Service	3.5 bar @ 40°C / 50.8 psig @ 104°F

Typical Flow Characteristics - 1cP fluid, 20 °C

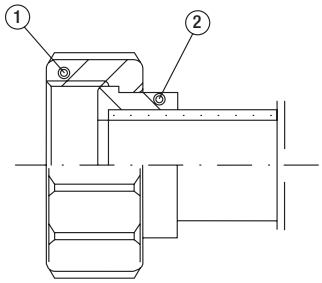


Dimensions



Stub Adaptor Kit

1. Union nut (2 ea.)
2. Stub adaptor (2 ea.)



Kit Part Numbers

ACS028 [1] GA

Table 1

Code	Description
1	Polypropylene
2	PVDF
3	PFA

Part Numbers / Ordering Information

Part number[3]	Description	O-ring	Length (L) (mm / in)
TAX011G26JD	254 mm / 10 in Polypropylene housing, AB Code 3	Ethylene propylene	336 / 13.2
TRX011G26JD	254 mm / 10 in Polypropylene housing, RF Style	Ethylene propylene	336 / 13.2
TAVW011G26JD	254 mm / 10 in PVDF housing, Water service	Ethylene propylene	333 / 13.1
TAVW012G26JD	508 mm / 20 in PVDF housing, Water service	Ethylene propylene	590 / 23.2
TAVC011G26H1D	254 mm / 10 in PVDF housing, Chemical service	FEP encapsulated fluoroelastomer	333 / 13.1
TAVC012G26H1D	508 mm / 20 in PVDF housing, Chemical service	FEP encapsulated fluoroelastomer	590 / 23.2

[4] Omit the "D" at the end of the part number to request that the vent and drain connections be supplied blank.

Unit conversion: 1 bar = 100 kilopascals

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