

# 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.<sup>1</sup> The Megaplast PVDF housing accommodates 254 mm / 10 in and 508 mm / 20 in cartridges and is suitable for water and chemical service.<sup>1</sup> 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 <sup>2</sup>	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

<sup>1</sup> Product not rated for gas service. For inquiries on compatibility, contact Pall Microelectronics.

<sup>2</sup> Other options may be available

<sup>3</sup> Adapter kit ACS028[ ]GA

### Configurations

Connection options	DIN 25 male 1 in pipe stub adapter <sup>3</sup>	
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

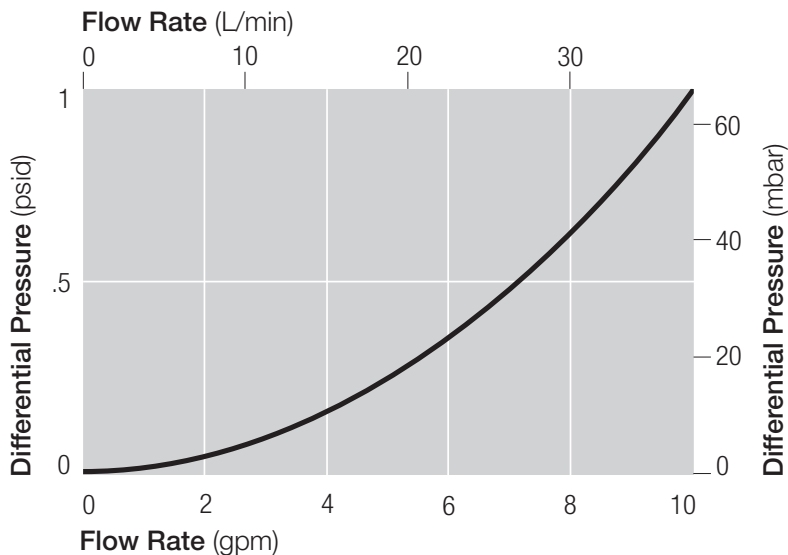
#### Polypropylene TAX/TRX Housing

Maximum Operating Pressure	Water Service	5.0 bar @ 40 °C / 72.5 psig @ 104 °F
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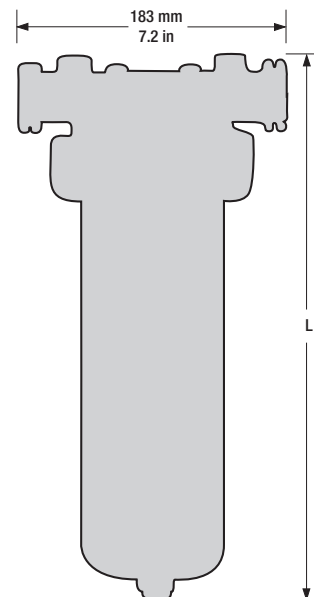
#### PVDF TAV Housing

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

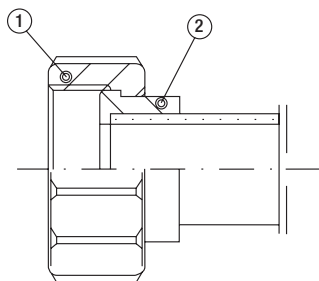


## Dimensions



## 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 <sup>3</sup>	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

<sup>3</sup> 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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