

# Megaplast™ Polypropylene and PVDF Filter Housings



## 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 10" / 254 mm cartridges and is suitable for water service. The Megaplast PVDF housing accommodates 10" / 254 mm and 20" / 508 mm cartridges and is suitable for water and chemical service. The connections on both housings are molded directly into the head and bowl, reducing the space required for fit up.

- 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

- Molded natural polypropylene head and bowl with molded connections, vent and drain
- Closure nut: Glass filled polyamide
- O-ring<sup>1</sup>: Ethylene propylene

PVDF TAV Housing

- Molded PVDF head and bowl with molded connections, vent and drain
- Closure nut: Glass filled PVDF
- O-ring<sup>1</sup>: Ethylene propylene or Teflon<sup>2</sup> encapsulated Viton<sup>2</sup>

### Configurations

- Connection options: DIN 25 male
- Vent/drain connections  
Bowl: ¼" BSP parallel female  
Head: ¼" BSP parallel female or supplied blank
- Polypropylene TAX/TRX Housing: AB Code 3 or RF style, 10" / 254 mm cartridges
- PVDF TAV Housing: AB Code 3, 10" / 254 mm and 20" / 508 mm cartridges (double 222 O-ring / flat end)

### Operating Conditions

Polypropylene TAX/TRX Housing

- Maximum Operating Pressure:  
Water service: 72.5 psig @ 104°F / 5.0 bar @ 40°C

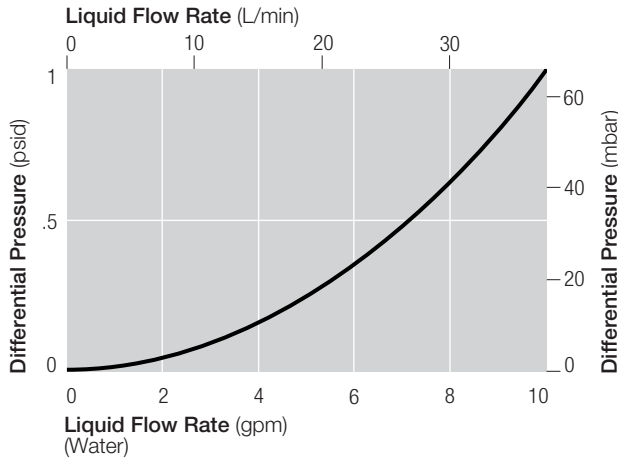
PVDF TAV Housing:

- Maximum Operating Pressure:  
Water service: 145.0 psig @ 104°F / 10.0 bar @ 40°C, 108.8 psig @ 176°F / 7.5 bar @ 80°C  
Chemical service: 50.8 psig @ 104°F / 3.5 bar @ 40°C

<sup>1</sup> Other options may be available

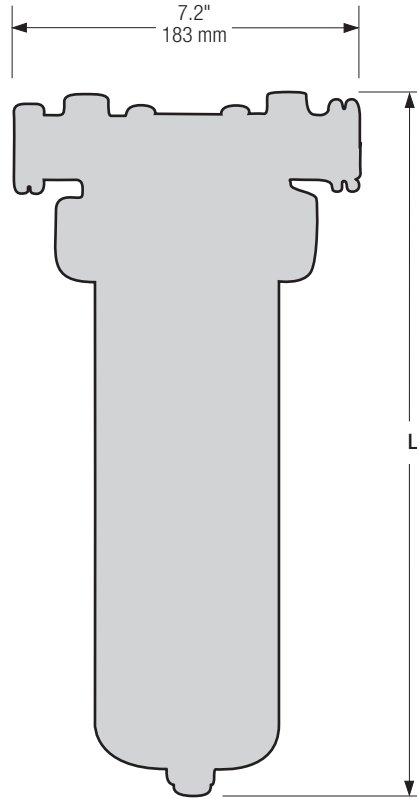
<sup>2</sup> Teflon and Viton are registered trademarks of DuPont Dow Elastomers

## Pressure Drop vs. Liquid Flow Rate<sup>3</sup>



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

## Dimensions



## Part Numbers / Ordering Information

Part Number <sup>4</sup>	Description	O-ring	Length (L) (in / mm)
TAX011G26JD	10" / 254 mm Polypropylene housing, AB Code 3	Ethylene propylene	13.2 / 336
TRX011G26JD	10" / 254 mm Polypropylene housing, RF Style	Ethylene propylene	13.2 / 336
TAVW011G26JD	10" / 254 mm PVDF housing, Water service	Ethylene propylene	13.1 / 333
TAVW012G26JD	20" / 508 mm PVDF housing, Water service	Ethylene propylene	23.2 / 590
TAVC011G26H1D	10" / 254 mm PVDF housing, Chemical service	Teflon encapsulated Viton	13.1 / 333
TAVC012G26H1D	20" / 508 mm PVDF housing, Chemical service	Teflon encapsulated Viton	23.2 / 590

<sup>4</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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