

## HP-PSV Series Polysulfone – Vent Grade



### Commercial/Industrial Filtration Applications

#### Standard Features

- Manufactured in the USA
- Absolute retention ratings at 0.2 micron
- 6.0 sq. ft. (0.56 m<sup>2</sup>) of media surface area per 10" length for optimal performance
- Highly tapered asymmetric pore structure provides excellent flow rate and dirt-holding capacity
- Cost-effective absolute filtration for vent applications – not integrity tested
- Rigid, molded cage protects pleated media and strengthens structural stability
- Manufactured in state-of-the-art white room for high purity
- Available in standard lengths up to 40 inches

#### Product Specifications

##### Micron Sizes

0.2

##### Cartridge Lengths

9-3/4" (24.7 cm), 10" (25.4 cm), 20" (50.8 cm), 30" (76.2 cm), and 40" (101.6 cm)

##### Inside and Outside Diameters

1" (2.54 cm) ID, 2.67" (6.78 cm) OD

##### Media Surface Area

6 sq. ft. (0.56 m<sup>2</sup>) per 10" filter length

##### Maximum Operating Temperature

176 °F (80 °C) temperature limit

##### Recommended Change-Out Differential Pressure

35 psid (2.4 bar)

##### Maximum Differential (Collapse) Pressure

75 psid@70 °F (5.2 bar@21 °C), 40 psid@176 °F (2.8 bar @80 °C)

##### Sanitization and Sterilization

Hot water at 175 °F (80 °C) at 5 psid for 30 minutes

Inline steam at 257 °F (125 °C) @ 1 psid (0.7 bar) for 30 minutes

Autoclavable at 257 °F (125 °C) for 30 minutes

##### Materials of Construction

Filter media: hydrophobic polysulfone

Outer cage, inner core and end caps: polypropylene

##### FDA and USP Compliance

All materials comply with the requirements of Food and Drug Administration Title 21 of The Code of Federal Regulations 174.5, 177.1520 and 177.1630. All components meet current USP Class VI biological tests for plastics.



#### Applications

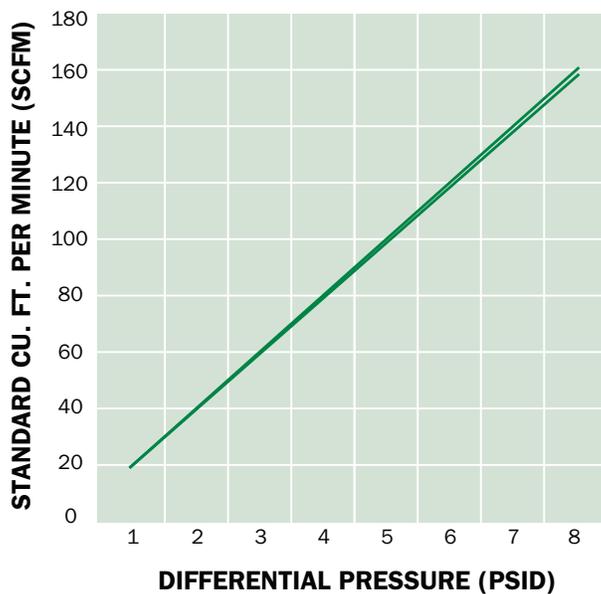
- Compressed Air
- Process Gases
- Tank Ventilation



# Ordering Guide (Example: HP-PSV-26100-0.2213-T)

HP - PSV - 26 100 - 0.2 213 - T						
TYPE	MEDIA	CARTRIDGE DIAMETER	CARTRIDGE LENGTH	MICRON RATING	END CAP	O-RING / GASKETS
HP = High Purity Pleated	PSV = Polysulfone - Vent Grade	26 = 2.67" (6.78 cm)	097 = 9-3/4" 100 = 10" 200 = 20" 300 = 30" 400 = 40"	0.2 = 0.2	Blank = DOE (standard) 213 = 213 internal o-ring 222f = 222/Flat 222n = 222/Fin 222s = 222/Spring 226f = 226/Flat 226n = 226/Fin SOEf = SOE/Flat SOEn = SOE/Fin SOEs = SOE/Spring Z = Custom	E = EPDM B = Buna N S = Silicone V = Viton T = Teflon

## Flow vs. Pressure Drop



## Case Packs

Each high purity cartridge is individually poly bagged and individually boxed, then master packed into cartons of 12 units in all lengths.



**Filter Housings Selection Guide**  
CLICK HERE

## Available End Cap Configurations



Authorized MAHLE-Nowata Distributor & Representative

For pricing and information please call  
Commercial Filtration Supply at (855)-236-0467

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