

HP-PESW Series

Polyethersulfone – Water Grade



Applications

- Food and Beverage
- Bottled Water
- Process Water
- RO Pre/Postfiltration
- DI Water
- Plating Solutions
- Specialty Chemicals
- Water and Wastewater
- Microelectronics
- Cosmetics



Commercial / Industrial Filtration Applications

Standard Features

- Manufactured in USA
- Absolute retention ratings from 0.3 to 1.0 microns
- 6.0 sq. ft. (0.56 m²) of media surface area per 10" length for optimal performance
- Cost-effective absolute filtration for less critical applications – not integrity tested
- 100% polypropylene construction offers wide range of chemical compatibility
- Rigid, molded cage protects pleated media and strengthens structural stability
- Manufactured in state-of-the-art white room for high purity
- Complies with Food and Drug Administration's CFR criteria for food and beverage contact
- Meets USP Class VI Biological Test for plastics
- Available in standard lengths up to 40 inches

Specifications, Operating Parameters and Options

Micron Sizes

0.03, 0.1, 0.2, 0.45, 0.65, and 1.0

Nominal 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

1.0" (2.54 cm) ID, 2.67" (6.78 cm) OD

Media Surface Area

6.0 sq. ft. (0.56 m²) per 10 inches 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: asymmetric polyethersulfone
Outer cage, inner core and end caps: polypropylene

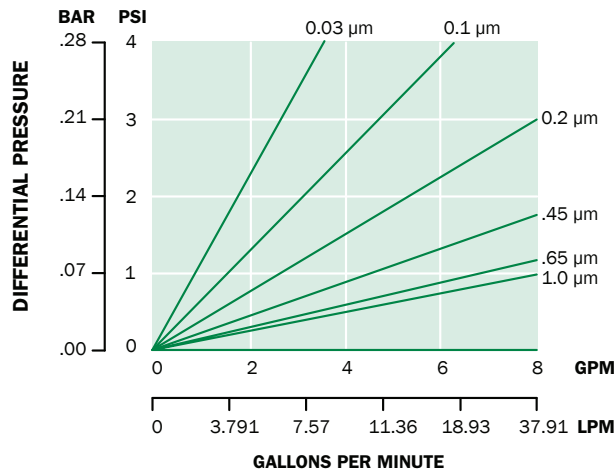
FDA and USP Compliance

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.

Ordering Guide (Example: HP-PESW-26100-0.2213-T)

HP	PESW	26	100	0.2	213	T
HIGH PURITY PLEATED	MEDIA	CARTRIDGE DIAMETER	CARTRIDGE LENGTH	MICRON RATING	END CAP	O-RING / GASKETS
HP	PESW = Polyethersulfone - Water Grade	26 = 2.67" (6.78 cm)	097 = 9-3/4" 100 = 10" 200 = 20" 300 = 30" 400 = 40"	0.03 = 0.03 0.1 = 0.1 0.2 = 0.2 0.45 = 0.45 0.65 = 0.65 1 = 1.0	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 SOEs = SOE/Spring SOEn = SOE/Fin Z = Custom	E = EPDM B = Buna N S = Silicone V = Viton T = Teflon

Flow vs. Pressure Drop



This chart represents typical water flow per 10" cartridge length. The test fluid is water at ambient temperature. Extrapolation for multiple elements tends to be linear, but as flows increase the ΔP of the housing becomes more apparent.



**Filter Housings
Selection Guide**
[CLICK HERE](#)

Available End Cap Configurations



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