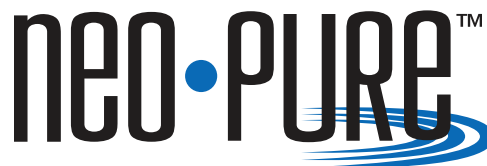


HP-PESW Series

Polyethersulfone – Water Grade



Applications

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



Commercial/Industrial Filtration Applications

Standard Features

- Manufactured in the 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% asymmetric polyethersulfone membrane 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
- Available in standard lengths up to 40 inches

Product Specifications

Micron Sizes

0.03, 0.1, 0.2, 0.45, 0.65, and 1

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 m²) 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: asymmetric polyethersulfone

Outer cage, inner core and end caps: polypropylene

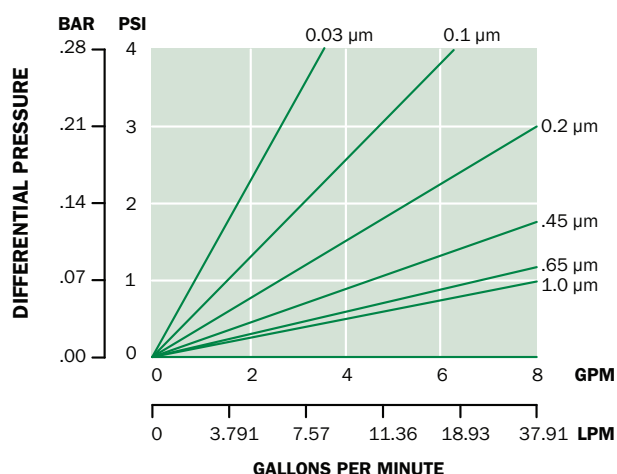
FDA and USP Compliance

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-PP-26100-0.2213-T)

HP – PESW – 26 100 – 0.2 213 – T						
TYPE	MEDIA	CARTRIDGE DIAMETER	CARTRIDGE LENGTH	MICRON RATING	END CAP	O-RING / GASKETS
HP = High Purity Pleated	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	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



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.

Case Packs

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

Available End Cap Configurations



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