GE Power & Water Water & Process Technologies

XPleat* Filters

Pleated Filters with Polyethersulfone (PES) Membrane



Figure 1: Xpleat PES Filters

Typical Applications

- For general water services
- For fine process fluid filtration
- For processes that require excellent flow rates

General Properties

Xpleat* filters are available the following absolute pore size micron ratings: 0.1, 0.2, 0.45 and 0.65 μ m. Tables 1, 2, 3 and 4 show further details on materials of construction, dimensions, operational limits and flow performance.

Table 1: Materials of Construction

Filter Media	Polyethersulfone Membrane			
Media Support	Polypropylene Microfiber			
Components	Polypropylene			
Sealing	Thermal Bonding			
O-Rings/Gaskets	Silicone, Buna, Viton ¹ , EPDM			

¹Viton is a trademark of DuPont

Table 2: Dimensions

Outside Diameter	2.75" (70 mm)
Inside Diameter	1.25" (31 mm)
Effective Filtration Area	8.1ft² (0.75m²)
Lengths	10, 20, 30, 40 inches (25.4, 50.8, 76.2, 101 cm)



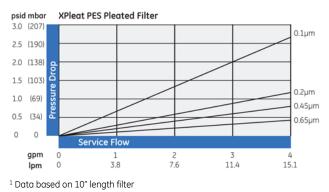
Table 3: Operational Limits

Maximum Forward Differential Pressure	60 psi (4.14 bar)
Maximum Reverse Differential Pressure	30 psi (2.07 bar)
Maximum Operating Temperature	180°F (82°C) at 10 psid (0.69 bar) in water

Chemical Compatibility

GE filter cartridges are designed and manufactured for resistance to a wide range of chemical solutions. Conditions will vary with each application and users should carefully verify chemical compatibility. Please contact your GE distributor for more information.

Table 4: Flow Performance in Clean Water¹



Additional Information

GE certifies that the materials contained within the XPleat PES filters meet U.S. FDA requirements for food contact under the applicable regulations in 21CFR. XPleat PES filters meet the test criteria for USP Class VI-121C Plastics.

Table 5: Ordering Information

Product Membrane Medic Name	Absolute Micron Rating	Length inches (cm)	End #1 Adapter	End #2 Adapter	Elastomer Material
XPLT PES Example: XPLT-PES-0.2-10-222-FIN-E	0.1 μm 0.2 μm 0.45 μm 0.65 μm	10 inch (25.4 cm) 20 inch (50.8 cm) 30 inch (76 cm) 40 inch (101.6 cm)	OEG ² 120 213 ³ 222 226	OEG 120 213 FIN FLT	B = Buna E = EPDM V = Viton ⁴ S = Silicone

²OEG – Open End Gasket ³213-FLT for use with 10" Ametek Housings ⁴Viton is a registered trademark of DuPont XPleat is available in case quantities only. XPleat part numbers reflect case quantities of six (6). Viton Gaskets available for additional charge.

