

XPleat* PES Filters

FACT SHEET

Pleated filters with polyethersulfone (PES) membrane

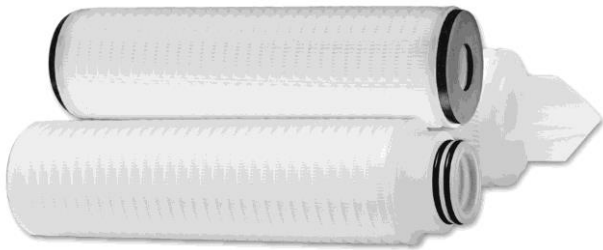


Figure 1: XPleat PES filters

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 μm . 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 (trademark of The Chemours Company)

Table 2: Dimensions

| | |
|---------------------------|---|
| Outside diameter | 2.75" (70 mm) |
| Inside diameter | 1.25" (31 mm) |
| Effective filtration area | 8.1ft ² (0.75m ²) |
| Lengths | 10, 20, 30, 40 inches (25.4, 50.8, 76.2, 101 cm) |

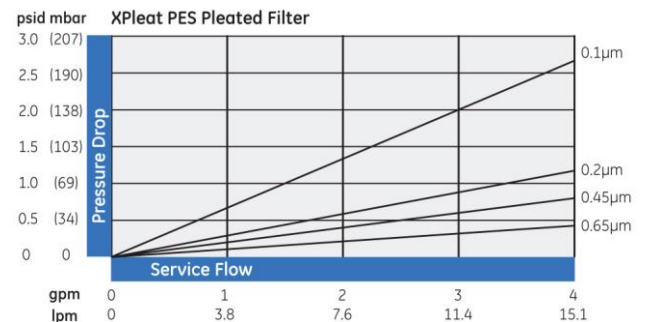
Table 3: Operational limits

| | |
|---------------------------------------|---|
| 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

Veolia 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 Veolia distributor for more information.

Table 4: Flow performance in clean water¹



¹Data based on 10" length filter

Additional Information

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

Table 5: Ordering Information

| Product name | Membrane media | Absolute micron rating | Length inches (cm) | End #1 adapter | End #2 adapter | Elastomer material |
|---|----------------|--|---|---|---------------------------------|--|
| XPLT | PES | 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 |
| example: XPLT-PES-0.2-10-222-FIN-E | | | | | | |

²OEG – Open End Gasket

³213-FLT for use with 10" Ametek Housings

⁴Viton (trademark of The Chemours Company)

XPleat is available in case quantities only.

XPleat part numbers reflect case quantities of six (6).

Viton Gaskets available for additional charge.

