

# XPleat\* GF Filters

## Glass Microfiber Nominal and Absolute



Figure 1: XPleat GF Filters

### Typical Applications

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

### General Properties

XPleat GF filters are available in nominal and absolute micron ratings (Figure 1). The nominal micron ratings are: 0.2, 0.45, 1.0, 3.0 and 10.0  $\mu\text{m}$ . The absolute micron ratings are 1.0, 2.0, 4.0, 8.0 and 15.0  $\mu\text{m}$ . 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	Glass Microfiber
Media Support	Polyester
Components	Polypropylene
Sealing	Thermal Bonding
O-Rings/Gaskets	Silicone, Buna, Viton <sup>1</sup> , EPDM

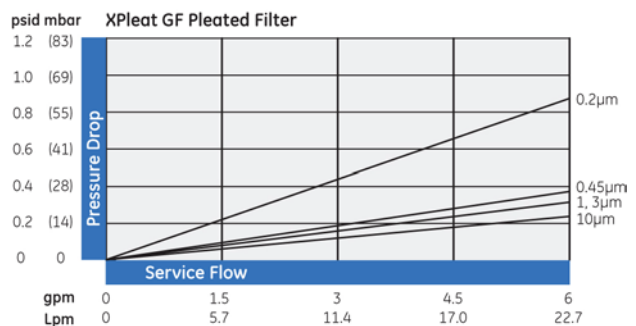
Table 2: Dimensions (nominal)

Outside Diameter	2.75" (70mm)
Inside Diameter	1.25" (31 mm)
Effective Filtration Area	3.4 ft <sup>2</sup> (0.32 m <sup>2</sup> )
Lengths	10, 20, 30, 40 inches (25.4, 50.8, 76.2, 101 cm)

Table 3: Operational Limits

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

Table 4: Flow Performance in Clean Water<sup>1</sup>



<sup>1</sup> Data based on 10" length filter

### Additional Information

- GE Water & Process Technologies 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 5 provides ordering information on the XPleat GF filters



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**Table 5: Ordering Information**

Product Name	Membrane/ Media	Nominal (Absolute) Micron Rating	Length Inches (cm)	End #1 Adapter	End #2 Adapter	Elastomer Material
XPLT	GF	0.2 µm (1.0) 0.45 µm (2.0) 1.0 µm (4.0) 3.0 µm (8.0) 10.0 µm (15.0)	10 (25.4) 20 (50.8) 30 (76.2) 40 (101.6)	OEG <sup>3</sup> 213 <sup>4</sup> 222 226	OEG 213 FIN FLT	B = Buna-N E = EPDM S = Silicone V = Viton
<b>Example: XPLT-GF-0.2-10-222-FIN-E</b>						

<sup>2</sup> Viton is a registered trademark of DuPont.  
<sup>3</sup> OEG-Open End Gasket  
<sup>4</sup> 213-FLT for use with 10" Ametek Housings

XPleat is available in case quantities only.  
 XPleat part numbers reflect case quantities of six (6).  
 Viton Gaskets available for additional charge

