geotech

Field Filtration Devices

Geotech In-line Acrylic Filter Holders & Barrel Filter Holder

Geotech In-line Filter Holders are specifically designed for on-site, rapid filtration of surface or groundwater samples through large diameter flatstock filter membranes.

SPECIFICATIONS

Acrylic In-Line Filter Holder

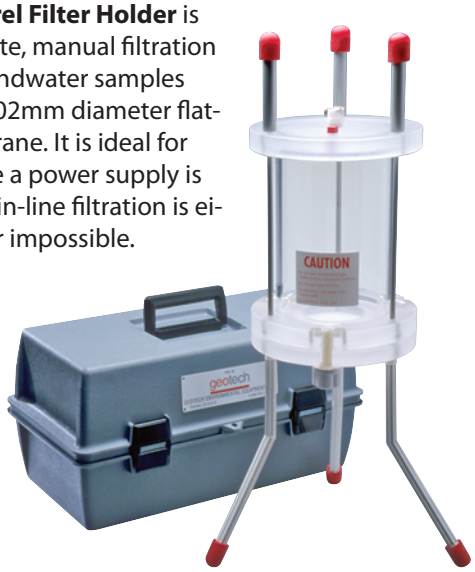
Filter Holder Plates	Acrylic
Dispersement Discs	Polycarbonate
Inlet / Outlet Fittings	Polyethylene
O-ring	F.D.A. approved silicone
Filter Support Screens	Polyester mesh with vinyl border
Pressure Relief Valve	Nylon w / external stainless steel pegs
Legs	Nylon with non skid feet
Inlet / Outlet Fittings	3/8' NPT by 3/8" hose barb
Maximum Pressure	25 psi (7-15 psi generally recommended for 0.45µm filtration)
Maximum Temperature	135°C (can be autoclaved)
Maximum Liquid Temperature	80°C
Filter Membrane Size	142mm diameter
Filter Area	4.8" (122.17mm) diameter
Total Height with Legs	13.5" (34.3cm)
Combined Height of Plates	1.70" (43.3mm)
Nylon Nut and Bolt Height	2.9" (7.37mm) when engaged
Clamping Device	6 swing-a-way bolts (nylon or stainless steel)
Approx. Shipping Weight	4.4 lbs. (2 kg) nylon bolts 5.6 lbs. (2.5 kg) stainless steel bolts

142 mm Acrylic In-line Filter Holder with Nylon Bolts

Barrel Filter Holder

Filter Membrane Size	102mm diameter (only)
Pre-filter Size	90mm diameter
Barrel Body	Polycarbonate
Filter Holder Plates	Acrylic
Barrel Body Top Plate	Acrylic
"L" Retaining Pins	Nylon
Disbursement Disc	Polycarbonate
O-ring	F.D.A. approved silicone
Filter Support Screen	Polyester mesh with vinyl border
Quick Disconnect Assembly	Acetal
Top Plate Plug	Polypropylene
Inlet / Outlet Fittings	Polypropylene
Pressure Relief Valve	Brass
Tubing	Medical grade silicone
Capacity	Up to 2.4 liters (2 liters recommended)
Inlet / Outlet Fittings	3/8" NPT by 3/8" hose barb
Maximum Pressure	30 psi max. (7-15 psi recommended)

The **Geotech Barrel Filter Holder** is designed for on-site, manual filtration of surface or groundwater samples using a 0.45µm, 102mm diameter flatstock filter membrane. It is ideal for use in areas where a power supply is not available and in-line filtration is either impractical or impossible. Excellent option when standard, non-pressurized bailers are used for sample collection.



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