

# Field Filtration Devices

## *Geotech Stainless Steel & PFA In-line Filter Holders*

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

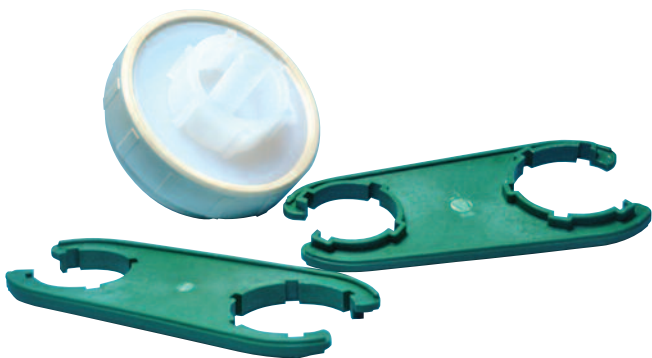
### FEATURES

#### **Stainless Steel (47mm, 90mm, 142mm)**

- Designed to minimize resistance and maximize flowrate
- Includes vent relief valve for improved performance
- Made of 316 stainless steel – rated @ 100 psi

#### **PFA (47mm or 90mm)**

- Designed for filtering small volumes
- All wetted surfaces are PFA to maximize chemical compatibility
- Holder allows membrane replacement without disconnecting tube lines
- Open face holder for air studies



Geotech PFA In-line Filter Holder with tools



Geotech  
Stainless Steel  
In-line Filter Holder

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

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## Geotech Stainless Steel & PFA In-line Filter Holders

### SPECIFICATIONS

#### Stainless Steel

##### 90mm

Filter Membrane Size	90mm diameter (only)
Filter Area	12.5 cm <sup>2</sup>
Pre-filter Size	75mm
Filter Area	45 cm <sup>2</sup>
Support Screen	PTFE coated photoetched SS
O-ring	Silicone
Gasket	PTFE
Inlet Fitting	¾" NPTF
Outlet Fitting	¾" NPTM
Approx. Shipping Wt.	3.9 kg (8.5 lbs.)
Autoclaving	35 minutes, 121°C

##### 47mm

Filter Membrane Size	47mm diameter (only)
Pre-filter Size	35mm
Filter Area	12.5 cm <sup>2</sup>
Downstream Volume	2 ml
Upstream Volume	5 ml
O-ring	Viton® & Silicone
Vent Valve O-ring	Viton®
Gasket	PTFE
Back Press. Support Screen.	PTFE coated
Support Screen	PTFE
Internal Fittings	¼" NPTF to 9.5mm nozzle ID
External Inlet/Outlet Fittings	¼" NPTF to 11mm OD hose barb

##### 142mm

Filter Membrane Size	142mm diameter (only)
Pre-filter Size	124mm
Filter Area	113 cm <sup>2</sup>
Support Screen	PTFE SS
O-ring	Silicone
Gasket	PTFE SS
Inlet Fitting	¾" NPTF
Outlet Fitting	¾" NPTM
Approx. Shipping Wt.	6.3 kg (14.1 lbs.)
Autoclaving	45 minutes, 121°C
Filter Holder Plates	316 Stainless Steel
Pressure	7kg/cm <sup>2</sup> (100psi) differential

#### PFA

##### 47mm PFA

Filter Membrane Size	47mm diameter
Diameter	67mm
Max. Pressure	25 psi
Max. Operating Temperature	100°C
Inlet/Outlet Comp. Fitting	Female ¼" NPTM or ¼" (6.35mm) diameter tubing
Filter area	12.5 cm <sup>2</sup>
Height	70mm
Weight	5.2 oz. (120g)

##### 90mm PFA

Filter Membrane Size	90mm diameter
Diameter	103.19mm
Max. Pressure	10 psi
Max. Operating Temperature	135°C
Inlet/Outlet Comp. Fitting	Female ½" NPTM or ¾" (6.35mm) diameter tubing
Filter area	63.62 cm <sup>2</sup>
Height	136.65mm
Weight	16 oz. (454g)

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