

# Disposable Filter Capsules

## Geotech dispos-a-filter™ PES Filter Capsules

The Geotech PES (Polyethersulfone) dispos-a-filter™ is the easiest and most cost efficient way to prepare water samples for trace metals analysis. Geotech's dispos-a-filter™ capsules feature self-contained absolute rated pore size membranes that are scientifically designed to meet U.S. EPA filtration regulations. When field or laboratory filtration is required, the dispos-a-filter™ is perfect for maximum flow capacity and retention of particulate matter.

### FEATURES

- Array of filter sizes to meet application specific requirements
- Lot tested for metals to assure pure sample integrity
- No pre-rinsing, cleaning, or assembly required
- Absolute rated pore size for true particulate retention
- Intended for groundwater and surface water filtration for trace metals analysis
- Meets U.S. EPA regulatory .45µm filtration standards
- Barbed and threaded influent tube connection
- Flow direction indicator on label
- Lot number is marked on each filter

### SPECIFICATIONS

<b>Membrane Material</b>	PES (Polyethersulfone)	
<b>Micron Pore Sizes</b>	0.45µm	
<b>Effective Filter Area (Capacity)</b>	900 cm <sup>2</sup> : 450 cm <sup>2</sup> : 30 cm <sup>2</sup> :	870 cm <sup>2</sup> : 429 cm <sup>2</sup> : 29 cm <sup>2</sup>
<b>Inlet</b>	900cm <sup>2</sup> : 450 cm <sup>2</sup> : 30 cm <sup>2</sup> :	1/8" MPT to 1/2" stepped barb 1/8" MPT to 1/2" stepped barb 1/4" barb - 1/2" stepped barb
<b>Outlet</b>	900cm <sup>2</sup> : 450 cm <sup>2</sup> : 30 cm <sup>2</sup> :	1/8" MPT 1/8" MPT 1/4" barb - 1/2" stepped barb
<b>Housing Material</b>	Polypropylene	



PES 0.45µm dispos-a filter™  
900 cm<sup>2</sup> capacity



PES 0.45µm dispos-a filter™  
30 cm<sup>2</sup> capacity

### CERTIFICATION

Geotech dispos-a-filters™ are manufactured in a clean environment under controlled conditions. The COA (certificate of analysis) report is accredited by ISO/IEC 17025 compliance.

#### Limits of Detection (LOD) COA (certificate of analysis)

Element	LOD* (µg / L) (ppb)
Aluminum (Al)	1
Antimony (Sb)	1
Arsenic (As)	0.2
Barium (Ba)	1
Beryllium (Be)	1
Bismuth (Bi)	1
Boron (B)	1
Cadmium (Cd)	0.05
Caesium (Cs)	0.1
Calcium (Ca)	1
Cerium (Ce)	0.1
Chromium (Cr)	0.2
Cobalt (Co)	0.1
Copper (Cu)	0.5
Germanium (Ge)	0.1
Iron (Fe)	0.1
Lanthanum (La)	0.1
Lead (Pb)	0.1
Lithium (Li)	1
Magnesium (Mg)	10
Manganese (Mn)	1

Element	LOD* (µg / L) (ppb)
Mercury (Hg)	0.1
Molybdenum (Mo)	1
Nickel (Ni)	0.5
Niobium (Nb)	0.1
Potassium (K)	10
Selenium (Se)	1
Silicon (Si)	100
Silver (Ag)	0.1
Sodium (Na)	1
Strontium (Sr)	1
Tellurium (Te)	1
Thallium (Tl)	1
Thorium (Th)	1
Tin (Sn)	1
Titanium (Ti)	1
Tungsten (W)	1
Uranium (U)	1
Vanadium (V)	0.2
Zinc (Zn)	1
Zirconium (Zr)	0.1

\*LOD: Limits of Detection (ppb)

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

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • (800) 833-7958 • FAX (303) 322-7242

email: sales@geotechenv.com website: www.geotechenv.com

# Disposable Filter Capsules

## *Geotech dispos-a-filter™ PP (Polypropylene) Filter Capsules*

### SPECIFICATIONS

<b>Membrane Material</b>	PP (Polypropylene)	
<b>Micron Pore Sizes</b>	1.0µm, 5.0µm, 10.0µm	
<b>Effective Filter Area (Capacity)</b>	900 cm <sup>2</sup> :	870 cm <sup>2</sup>
<b>Inlet</b>	900cm <sup>2</sup> :	1/8" MPT to 1/2" stepped barb
<b>Outlet</b>	900cm <sup>2</sup> :	1/8" MPT
<b>Housing Material</b>	Polypropylene	



Geotech PP 10.0 µm  
dispos-a filter™  
900 cm<sup>2</sup> capacity



In-line filtration using the Geotech Hand Pump,  
pressurized bailer and dispos-a-filter™



Sample collection with the Geopump™ Peristaltic Pump  
and dispos-a-filter™ capsule sold separately

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