

# Disposable Filter Capsules

## Geotech dispos-a-filter™ Filter Capsules

The Geotech dispos-a-filter™ is a disposable filter capsule designed to perform in-line water filtration in the field. Our filters have a narrow pore distribution and high void volume which allows excellent liquid flow rates at low differential pressures. The dispos-a-filter™ readily fits on ¼" (.635 cm) to ½" (1.3 cm) sized sample tubing with a specially designed sample tubing adapter.

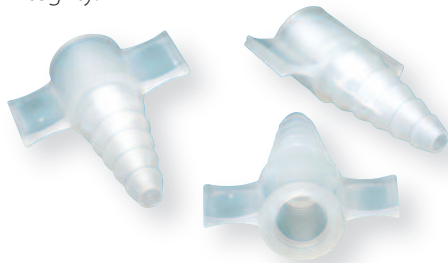
### FEATURES

- Ideal for field or laboratory use
- No pre-rinsing, cleaning, or assembly required
- High flow rates – helps minimize your sampling time
- Certified analysis for 68 metals and 7 anions in ppb range
- ISO 9000 lot tested and traceable
- Eliminates filtering cross contamination
- Use with our geopump™ peristaltic pump, hand pump, or pressurized bailers
- Ask for the dispos-a-filter™ universal sample tubing adapter



The dispos-a-filter™ Universal Sample Tubing Adapter is a hose-barbed fitting designed specifically to attach to the dispos-a-filter™ capsule and any flexible sampling tube for in-line sampling.

The sturdy wing-nut design ensures an easy, snug fit for continuous sampling integrity.



Geotech .45 Micron High Capacity dispos-a-filter™



Geotech 10 Micron High Capacity dispos-a-filter™



Geotech .45 Micron Medium Capacity dispos-a-filter™

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

**Geotech Environmental Equipment, Inc.**

2650 East 40th Avenue • Denver, Colorado 80205

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### CERTIFICATION

Rest assured, our dispos-a-filters™ are certified to exhibit non-detectable levels when a metals analysis is performed on their effluent using ICAP, ICP-MS or GFAA instrumentation.

Manufactured in a Class 100 clean room, ICP-MS instrumentation was used to perform a NEW certification of metals (see list below). In addition, we've added two dozen+ more metals, expanding this certification to cover more metals than ever before. All manufactured lots are tested by an independent laboratory using EPA-approved test methods.

Element	LOD* (µg/L) (ppb)
Aluminum (Al)	0.8
Antimony (Sb)	0.02
Arsenic (As)	0.2
Barium (Ba)	0.01
Beryllium (Be)	0.04
Bismuth (Bi)	0.04
Boron (B)	2
Cadmium (Cd)	0.03
Calcium (Ca)	25
Cerium (Ce)	0.01
Cesium (Cs)	0.02
Chromium (Cr)	0.03
Cobalt (Co)	0.3
Copper (Cu)	0.5
Dysprosium (Dy)	0.04
Erbium (Er)	0.02
Europium (Eu)	0.02
Gadolinium (Gd)	0.04
Gallium (Ga)	0.04
Germanium (Ge)	0.05
Gold (Au)	0.05
Hafnium (Hf)	0.03
Holmium (Ho)	0.01
Indium (In)	0.02
Iridium (Ir)	0.06
Iron (Fe)	1
Lanthanum (La)	0.01
Lead (Pb)	0.05
Lithium (Li)	0.03
Lutetium (Lu)	0.01
Magnesium (Mg)	10
Manganese (Mn)	0.5
Mercury (Hg)	0.05
Molybdenum (Mo)	0.05
Neodymium (Nd)	0.02
Nickel (Ni)	0.5
Niobium (Nb)	0.02
Osmium (Os)	0.02

Element	LOD* (µg/L) (ppb)
Palladium (Pd)	0.06
Platinum (Pt)	0.08
Potassium (K)	25
Praseodymium (Pr)	0.01
Rhenium (Re)	0.06
Rhodium (Rh)	0.02
Rubidium (Rb)	0.1
Ruthenium (Ru)	0.05
Samarium (Sm)	0.04
Scandium (Sc)	0.2
Selenium (Se)	7
Silicon (Si)	0.5
Silver (Ag)	0.03
Sodium (Na)	25
Strontium (Sr)	0.01
Tantalum (Ta)	0.02
Tellurium (Te)	0.04
Terbium (Tb)	0.02
Thallium (Tl)	0.05
Thorium (Th)	0.02
Thulium (Tm)	0.01
Tin (Sn)	0.2
Titanium (Ti)	0.05
Tungsten (W)	0.2
Uranium (U)	0.02
Vanadium (V)	0.03
Ytterbium (Yb)	0.03
Yttrium (Y)	0.02
Zinc (Zn)	1
Zirconium (Zr)	0.05
Chloride (Cl)	50
Sulfate (SO <sub>4</sub> )	10
Fluoride (F)	2
Nitrite (NO <sub>2</sub> )	10
Bromide (Br)	5
Nitrate (NO <sub>3</sub> )	10
Phosphate (HPO)	5

\*LOD: Limits of Detection (ppb)

### SPECIFICATIONS

<b>Micron Size</b>	0.45, 1.0, 5.0, 10.0
<b>Effective Filter Area</b>	700 cm <sup>2</sup> (High Capacity) 350 cm <sup>2</sup> (Medium Capacity) 20 cm <sup>2</sup> (Low Capacity)
<b>Thickness</b>	191 µm
<b>Tensile Strength</b>	3000 psi (206 bar)
<b>Void Volume</b>	>80%
<b>Extractables</b> (boiling water)	<3%
<b>Water Flow</b> (ASTM: F-317-72) (ml/min/cm <sup>2</sup> @ 10 psi)	4
<b>Bubble Point</b> (ASTM: F-316-80) Kerosene (psi)	11
Water (psi)	23
<b>Versapor Filter Membrane</b>	White acrylic copolymer coating over a non-woven substrate
<b>Maximum Operating Temp.</b>	190°F (88°C)



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

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