



Solinst®

Disposable Filters

Model 860 Data Sheet

Disposable Filters

Model 860

Solinst supplies in-line disposable filters designed specifically for the preparation of groundwater samples for dissolved metals analysis and for filtering large volumes of turbid groundwater.

These filters are an easy, effective way to meet the filtration requirements of the U.S. Environmental Protection Agency, as they incorporate a 0.45 µm membrane into a disposable device.

Advantages

Filter Design

- Compact size with no bulky holder requiring replaceable filter discs
- Almost five times the effective filtration area obtained with 142 mm disc filters
- Reduces the need for multiple filter changes
- Assures rapid sample filtration
- Fast change-out for increased efficiency
- No hazardous residue on the filter housing
- No handling of the filter element for enhanced safety
- Self-contained, low maintenance and disposable

Saves Time and Money

- No costly decontamination
- No assembly/disassembly, nor the multiple filter changes associated with reusable filter holders

Specifications

Materials

Housings: Polypropylene

Membrane: Polypropylene

Pore Size

0.45 µm

Maximum Operating Pressure

72 psi (5 bar)

Maximum Operating Temperature

High Flow: 39°C (102°F)



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650 cm² High Capacity Filter

Excellent for sampling in silty or particulate-laden groundwater, the high capacity filter gives 650 cm² of effective filtration area.

Disposable Filter Rinse Results

Disposable Filters have been tested for the following chemicals and the effluent was found to have non-detectable levels using equipment with the following detection limits.

Element	Detection Limit (mg/L)	Element	Detection Limit (mg/L)
Antimony	<0.0010	Bromomethane	<0.0050
Arsenic	<0.0010	Carbon	
Beryllium	<0.0020	TetraChloride	<0.0010
Cadmium	<0.0050	Chlorobenzene	<0.0010
Copper	<0.0200	Chloro-dibromomethane	<0.0010
Lead	<0.0050	Dichloro-benzene Group	<0.0010
Chromium	<0.0100	Dichloro-ethane Group	<0.0010
Mercury	<0.0002	PP Acid	<0.0005
Nickel	<0.0200	Extractables	<0.0100
Selenium	<0.0200		
Silver	<0.0300		
Thallium	<0.0010		
Zinc	<0.0300		
Benzene	<0.0010		

Inlet and Outlet Connections

Each filter has 3/8" (9.5 mm) hose barb inlet and outlet connections, as well as a 1/8" NPTM vent/drain connection.

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