

AquaCap KL large area PES membrane capsule filters for ground water sampling are designed for pressure filtration of field water samples.

These capsule filters facilitate filtration of silty and particle laden ground water samples, meet the requirements of no contribution of elements to the feed water and are suitable for use for sample of ground water as per required by US EPA method 1669.

Available sizes

- 1" (300 cm²)
- 2" (700 cm²)

Specifications

Pore Size

0.2 μm and 0.45 μm

Maximum Operating Temperature

80 °C @ ≤ 30 psi (2 Kg/cm²)

Maximum Differential Pressure

60 psi (4 Kg/cm²) @ 30 °C

Toxicity

Passes Bioreactivity test, In Vivo, as per USP <88> for Class VI plastics

Fiber Release

Passes test as per USP and comply with USFDA 21 CFR Part 210.3(b)(6) for fiber release

Particle Release:

The filtrate complies with USP <788> test for particulate matter in injections

TOC and Conductivity

Meets the WFI requirements of USP for TOC <643> and Conductivity <645>

Applications

- Preparation of ground water samples for dissolved metal analysis
- Filtration of silty and particulate laden ground water

Key features

- Absolute retention
- 100% integrity tested
- Validated for dissolved metals



Complies with USFDA 21 CFR 210.3(b)(6)

Meets and Exceeds USFDA 21 CFR 177.1520

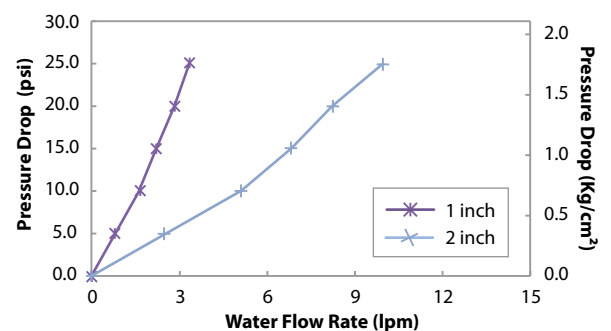
Materials of Construction

Membrane : Hydrophilic PES

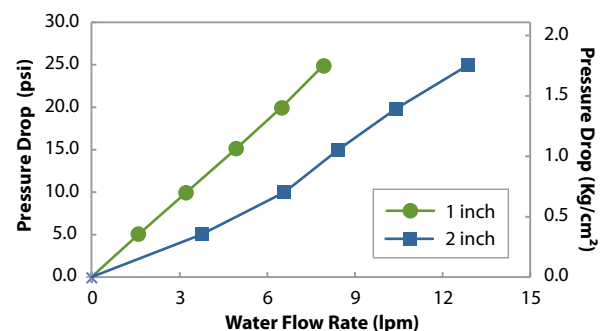
Housing : Polypropylene

Typical Water Flow Rates

0.2 μm AquaCap KL



0.45 μm AquaCap KL



Elemental Analysis

To minimize background contamination in sample analysis these capsule filters have been certified according to EPA accepted method for detection of a broad range of metals.

Element or Compound	(µg/L)	Element or Compound	(µg/L)
Chloride	<IDL*	Neodymium	<IDL*
Aluminum	1.62	Nickel	0.01
Antimony	low	Niobium	0.01
Arsenic	0.01	Osmium	0.01
Barium	0.10	Palladium	0.01
Beryllium	0.01	Phosphorus	0.01
Bismuth	0.01	Platinum	0.01
Boron	0.01	Potassium	4.54
Cadmium	0.01	Praseodymium	0.01
Calcium	0.01	Rhenium	0.01
Cerium	0.01	Rhodium	0.01
Cesium	0.01	Rubidium	0.01
Chromium	0.05	Ruthenium	0.01
Cobalt	0.01	Samarium	0.01
Copper	0.01	Scandium	0.15
Dysprosium	0.01	Selenium	7.00
Erbium	0.01	Silver	0.03
Europium	0.01	Sodium	<IDL*
Gadolinium	0.01	Strontium	0.01
Gallium	0.01	Tantalum	0.01
Germanium	0.01	Tellurium	0.01
Gold	0.01	Terbium	0.01
Hafnium	0.01	Thallium	0.01
Holmium	0.01	Thorium	0.01
Indium	0.01	Thulium	0.01
Iridium	0.01	Tin	0.01
Iron	0.01	Titanium	0.01
Lanthanum	0.01	Tungsten	0.01
Lead	0.01	Uranium	0.01
Lithium	1.59	Vanadium	0.02
Lutetium	0.01	Ytterbium	0.01
Magnesium	0.14	Yttrium	0.01
Manganese	0.01	Zinc	0.02
Mercury	0.01	Zirconium	0.03
Molybdenum	0.04		

* Instrument Detection Limit

Ordering Information

Type		Size (EFA)		Pore Size		Inlet/Outlet		X	X	Sterility		Pack Size	
	Code		Code		Code		Code				Code		Code
AquaCap KL	GWSX	1" (300 cm ²)	75	0.2µm	01	¼" SHB	A			Non Sterile	1	1	01
		2" (700 cm ²)	62	0.45µm	02								

Example:

GWSX	75	01	AA	X	X	1	01
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DST GWSXXXX1819L