

Whatman Polycap™ GW Capsule

The right choice for sample filtration for ground water analysis.

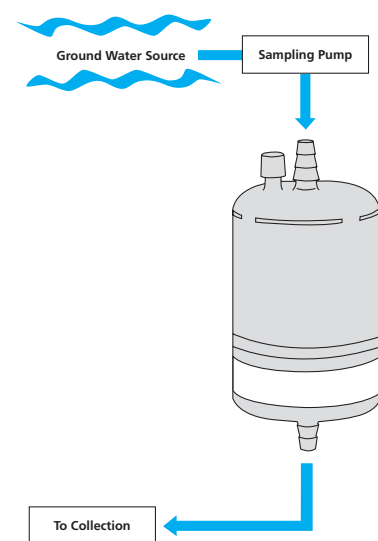
The Whatman Polycap™ GW High-Capacity Capsule is the perfect choice for organizations who must meet strict environmental protocol standards. Combining consistent high quality, durability and ease-of-use, Polycap GW Capsules work right the first time—and every time.

Features and Benefits

- **Certified for metal extractables**
Suitable for filtration procedure outlined in EPA Method 3005 for ground water analysis.
- **Encapsulated unit**
Filter is sealed in a disposable housing with quick-change end-fittings. Since the filter is pre-assembled, there is no need to replace the filter or decontaminate the capsule.
- **Stepped Hose Barb Fittings**
Allows for connection with various size tubings.
- **Large surface area**
Optimized to provide at least 600 cm² of effective filtration area to ensure rapid sample collection.
- **Thermal sealing**
All housing components are thermally fused. No glues, adhesives, metals, epoxies or other extraneous materials are used.
- **Durable materials**
Drain screen, core, end caps and back-pressure screens are made of polypropylene with an outstanding record of durability.

Applications

- Filter ground water samples before dissolved metal analysis.



Whatman Polycap GW is designed to make the process of collecting ground water samples for analysis quick, easy and convenient.

Whatman®

TECHNICAL SPECIFICATIONS

Products	Polycap GW Capsule: 0.45 µm, 1.0 µm, 5.0 µm
Filter Housing	Polypropylene
Inlet/Outlet	1/4" to 3/8" (6–9 mm) Stepped Barb (SB)
Filter Media	0.45 µm PES Membrane 1.0 µm Polypropylene Filter 5.0 µm Polypropylene Filter
Support System	Polypropylene
Vent	On inlet
Filtration Area	Approx. 600 cm ² (93 in ²)
Wetting Characteristics	Hydrophilic
Max. Operating Pressure	60 psi (4.1 bar)
Flow Direction	Flow follows arrows



POLYCAP GW CAPSULE CERTIFICATION

Polycap GW (0.45 µm, 1.0 µm, 5.0 µm) Capsule Value (µg/L)					
Aluminum	< 0.5	Hafnium	< 0.1	Rubidium	< 0.1
Antimony	< 0.2	Holmium	< 0.1	Ruthenium	< 0.1
Arsenic	< 0.3	Iodine	< 0.1	Samarium	< 0.1
Barium	< 0.1	Iridium	< 0.1	Selenium	< 1
Beryllium	< 0.1	Iron	< 1	Silver	< 0.1
Bismuth	< 0.1	Lanthanum	< 0.1	Sodium	< 8
Boron	< 5	Lead	< 0.1	Strontium	< 0.1
Bromine	< 4	Lutetium	< 0.1	Tantalum	< 0.1
Cadmium	< 0.1	Magnesium	< 2.5	Tellurium	< 0.1
Calcium	< 50	Manganese	< 0.3	Thallium	< 0.1
Cerium	< 0.1	Mercury	< 0.3	Thorium	< 0.1
Cesium	< 0.1	Molybdenum	< 0.2	Thulium	< 0.1
Chromium	< 0.1	Neodymium	< 0.1	Tin	< 0.1
Cobalt	< 0.1	Nickel	< 0.1	Titanium	< 0.3
Copper	< 0.4	Niobium	< 0.1	Tungsten	< 0.5
Dysprosium	< 0.1	Osmium	< 0.1	Uranium	< 0.1
Erbium	< 0.1	Palladium	< 0.1	Vanadium	< 0.1
Europium	< 0.1	Platinum	< 0.1	Ytterbium	< 0.1
Gadolinium	< 0.1	Potassium	< 25	Zinc	< 1.5
Gallium	< 0.1	Praseodymium	< 0.1	Zirconium	< 0.1
Germanium	< 0.1	Rhenium	< 0.1	Chlorides	< 25
Gold	< 0.2	Rhodium	< 0.7	Sulfate	< 20

Yellow shaded areas indicate anions

WHATMAN CATALOG ORDERING INFORMATION

Pack Size	Inlet/Outlet Connections: 1/4" to 3/8" (6–9 mm) Stepped Barb (SB)		
	0.45 µm	1.0 µm	5.0 µm
1 capsule per pack	6714-6004	6703-6010	6703-6050
100 capsules per pack	6724-6004	6723-6010	6723-6050

Whatman Quality

Whatman is a global leader in separations technology and is known in the scientific community for providing innovative Life Science products and solutions. Our instinct for simplification accelerates the rate of discovery, reduces costs and saves time. In order to focus on the unique needs of customers, Whatman is organized into four business development units: LabSciences, BioScience, MedTech-Diagnostics and MedTech-Devices. For more information, visit www.whatman.com.

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