










-  Ideal for travelling
-  International application
-  Automatic water stop during filter change
-  Filter Change with Push & Click Method
-  Compact design
-  Water production up to 2.5 l/min
-  Fast and easy installation

The mobile RO-water filter Verdanium GEO is characterised by its uncompromising design and high performance. By using premium Dow® FILMTEC™ membranes, the filter achieves an unprecedented level of performance for its size.

The Verdanium GEO water filter was developed for mobile use in a handy and portable system. The robust hard-shell case allows easy transport even in rugged terrain and protects the water filter system inside. The filters cartridges are changed by using the Push & Click method, reducing the maintenance time of the system to usually no longer than ten minutes.

The high volume flow of ultra-pure water enables water production of up to 2.5 l/min. The additional rinsing water recovery reduces the wastewater and lowers the operating costs by approx. 25 % to 40 %.

#### Technical Data Verdanium GEO (without accessories)

Dimensions	Width: 555 mm, Height: 440 mm, Depth: 255 mm
Weight	18.6 kg (without accessories)
Temperature	Minimum 4°C (39°F) to maximum 38°C (100°F)
Operating pressure	Minimum 1.5 bar (22 psi) to maximum 5.0 bar (72 psi)
Ultra-pure Water Production	At 6°C input water temperature and 3.5 bar approx. 1.8 l/min (up to 2.5 l/min at higher temperatures)
Ultra-pure Water / Wastewater Ratio	Depending on the ultra-pure water production the ratio is 1 : 0.8
Water Connections	Water supply 3/8" JG connection – Wastewater 1/4" JG connection – Ultra-pure water 1/4" JG connection
Power Connection Booster Pump	230 VAC - 50 Hz – 180 VA – (110 VAC – 60 Hz optionally possible)

#### Replacement filters

#### Item Number

VA-Standard PP - Sediment Filter Cartridge 5 µm (pre-filter)	1000066
VA-Standard GAC - Activated Carbon Granulate-Cartridge (post-filter)	1000068
VA-Standard CTO - Activated Carbon Block-Cartridge (post-filter) optional	1000067

#### Scope of Delivery

- 1 x RO-Water Filter Verdanium GEO (without accessories)
- 2 x VA-Standard PP – Sediment Filter Cartridge 5 µm (pre-filter)
- 1 x VA-Standard GAC – Activated Carbon Granulate-Cartridge (post-filter)
- 1 x Power Cord Europe CEE 7/7 to C13
- 1 x Power Cord Switzerland Type J to C13 (accessory)



## Filtration results

Here you will find the individual filtration stages with the associated filtration results. Through our filtration process 98 - 99% of all foreign substances are filtered out of the water.

### Filtration performance - Verdanium GEO

Example materials	VA-Standard PP – Sediment filter 5 µm	Reverse osmosis membrane 0.0001 µm	VA-Standard GAC – Activated charcoal filter 0.5 µm	Filtration result Verdanium GEO
Arsenic compounds	NO	YES	NO	YES
Lead	NO	YES	NO	YES
Cadmium	NO	YES	NO	YES
Sodium	NO	YES	NO	YES
Sulfate	NO	YES	NO	YES
Calcium	NO	YES	NO	YES
Magnesium	NO	YES	NO	YES
Phosphate	NO	YES	NO	YES
Chloride	NO	YES	NO	YES
Fluorides	NO	YES	NO	YES
Nitrates	NO	YES	NO	YES
Bacteria	NO	YES	partial filtration	YES
Viruses	NO	YES	NO	YES
Organic substances	YES	YES	partial filtration	YES
THM, TEA	NO	YES	YES	YES
Dioxine	NO	YES	NO	YES
Radioactive elements	partial filtration	YES	NO	YES
Chlorine	NO	partial filtration	YES	YES
Pesticides	NO	YES	YES	YES
Sediment	YES	YES	partial filtration	YES
Bad taste & odor	NO	YES	YES	YES
Other soluble & insoluble substances	NO	YES	NO	YES