



-  Optimized for private households
-  International application
-  Automatic water stop during filter change
-  Filter change via Push & Click method
-  Rinsing water recovery
-  Water production of up to 2.3 l/min
-  Suitable for dishwashers and washing machines
-  Compact design

The next generation of direct-flow reverse osmosis. The RO-water filter Verdanium Home is characterized by its uncompromising design, high performance and highest water safety standard. By using premium Dow® FILMTEC™ membranes, the filter achieves an unprecedented level of performance for its size.

The system has a compact layout and is therefore also suitable for smaller locations. The water connections are located underneath the housing, saving additional space. The maintenance effort has been reduced to an absolute minimum and won't take longer than 10 minutes. 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 the ultra-pure water allows for the supply of water to modern washing machines and dishwashers without an added storage tank*. The additional recovery of rinsing water reduces the amount of wastewater significantly, which reduces the operating costs by approx. 25 % to 40 %.

Technical Data Verdanium Home (without accessories)	
Dimensions	Width: 248 mm, height: 397 mm, depth: 374 mm
Weight	15.1 kg (without accessories)
Temperature	Minimum 4 °C (39 °F) to maximum 38 °C (100 °F)
Operating pressure	Minimum 1.4 bar (20 psi) to maximum 5.5 bar (80 psi)
Ultra-pure water production	At 6 °C input temperature and 3.5 bar approx. 1.8 l/min (up to 2.3 l/min at higher temperatures)
Ultra-pure water / wastewater ratio	Depending on the input water quality, the ratio is 1 : 0.8
Water connections	Water supply 3/8" JG connection – Wastewater 1/4" JG Hitch – Ultra-pure water 1/4" JG connection
Electrical connection	230VAC - 50Hz – 180VA – (110VAC – 60Hz optional)
Replacement filter	
VA-Standard PP - Sediment filter cartridge 5 µm (pre-filter)	Item number 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 Home (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 Typ J to C13 (accessory)	

*Depending on washing machine / dishwasher type.

Additional Accessories	Item Number
Power Cord Europa CEE 7/7 to C13, 0.75 mm ² , 1.8 m	1000084
Power Cord Switzerland Type J to C13, 0.75 mm ² , 1.8 m	1000083
3-Way-Water Tap, 2. Gen, stainless-steel (matt)	7000001
1-Way-Water Tap, 2. Gen, stainless-steel (matt)	1000017
Drain Water Connector 1/4" tube AD	1000034
John Guest – Plastic tube – 1/4" Colour: natural (for ultra-pure water)	PE-08-BI-0500F-N
John Guest – Plastic tube – 1/4" Colour: red (for wastewater)	PE-08-BI-0500F-R
John Guest – Plastic tube – 3/8" Colour: blue (for water supply)	PE-08-BI-0500F-B
Connection Adapter 3/4" thread BSPP to 3/8" tube AD	NC2249LF
Hydro-Stopper, Water Leak Detector with two Sensors	1000016
Storage tank - Reverse osmosis tank approx. 4 litres capacity	1000109
Storage tank - Reverse osmosis tank approx. 12 litres capacity	1000111
Storage Tank Connection Set	7000021
Connection set for washing machine or dishwasher - 3/8" tube AD to 3/4" OD thread	1000115

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 Home				
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 Home
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