



Fig. 1


### **i** Features

- ✓ Fastest water production in its class
- ✓ Ideal for multiperson households
- ✓ Compact design
- ✓ High volume flow of ultra-pure water
- ✓ Rinsing water recovery
- ✓ Connection of dishwasher and washing machine possible (also w/o storage tank)\*
- ✓ Original Dow® FILMTEC™ Osmosis-Membranes
- ✓ Easy maintenance with Push & Click filter change method
- ✓ Easy installation
- ✓ Long service life and sustainable design

 International Application


 Optimized for Private Households


 Automatic Waterstop During Filter Change

 Filter Change with Push & Click Method

 Rinsing Water Recovery

 Compact Design

 Water Production of up to 2.3 l/min

 Suitable for dishwashers and washing machines

## Description

The next generation of direct-flow reverse osmosis! The RO-water filter Verdanium HOME (Fig.1) is characterised 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%.

Replacement Filters		Item Number
VA-Standard PP – Sediment Filter Cartridge 10" (pre-filter)		1000066
VA-Standard GAC – Activated Carbon Granulate-Cartridge 10" (post-filter)		1000068
VA-Standard CTO – Activated Carbon Block-Cartridge 10" (post-filter) optional		1000067
Packaging Content		
1 x RO-Water Filter Verdanium HOME (without accessories)		
2 x VA-Standard PP – Sediment Filter Cartridge 10" (pre-filter)		
1 x VA-Standard GAC – Activated Carbon Granulate-Cartridge 10" (post-filter)		
1 x Power Cord Europe CEE 7/7 to C13		
1 x Power Cord Switzerland Type J to C13 (accessory)		
Technical Data   Verdanium HOME		
Measurements   Weight	Width: 248 mm, Height: 397 mm, Depth: 359 mm (32 dm³)   15.1 kg (without accessories)	
Temperature   Operating Pressure	Minimum 4° C (39° F) to maximum 38° C (100° F)   Minimum 1.4 bar (20 psi) to maximum 5.5 bar (80 psi)	
Ultra-pure Water Production	At 6° C input water temperature and 3.5 bar approx. 1.75 l/min (up to 2.3 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	
Electrical Connection	230VAC - 50Hz – 180VA – (110VAC – 60Hz optionally possible)	

\*Depending on washing machine / dishwasher type.



Additional Accessories	Item Number
Power Cord Europa CEE 7/7 to C13, 0.75 mm <sup>2</sup> , 1.8 m	1000084
Power Cord Switzerland Type J to C13, 0.75 mm <sup>2</sup> , 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-12-EI-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				
Sample materials	VA-Standard PP – Sediment filter 5 µm	Reverse osmosis membrane 0,0001 µm	VA-Standard GAC – Activated charcoal filter 0,5 µm	Filtration perform- ance 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
Dioxins	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 & odour	NO	YES	YES	YES
Other soluble & insoluble substances	NO	YES	NO	YES