





Fig. 1


Features

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

 International Application

 Optimized for Private Households

 Automatic Waterstop During Filter Change

 Filter Change via 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 VA-H-FT-DF-1000-20-1 (Fig.1) is characterized by its intransigent, 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 situated underneath the housing which saves additional space. The maintenance effort has been reduced to an absolute minimum and won't take longer than 10 minutes. Due to the Push & Click method, the filter can be changed without any inconvenient dismantling or assembling.

The high volume flow of the ultrapure water allows for the supply of water to modern washing machines and dishwashers without an additional storage tank*. The additional recovery of rinsing water reduces the amount of waste water significantly, which reduces the operating costs by approx. 25 % to 40 %.

Replacement Filters		Item Number
VAQ-Standard PP – Sediment Filter Cartridge 10" (Prefilter)		1000066
VAQ-Standard GAC – Activated Carbon Granulate-Cartridge 10" (Postfilter)		1000068
VAQ-Standard CTO – Aktivated Carbon Block-Cartridge 10" (Postfilter) optional		1000067
Packaging Content		
1 x RO-Water Filter VA-H-FT-DF-1000-20-1 (without accessories)		
2 x VAQ-Standard PP – Sediment Filter Cartridge 10" (Prefilter)		
1 x VAQ-Standard GAC – Aktivated Carbon Granulate-Cartridge 10" (Postfilter)		
1 x Power Cord Europe CEE 7/7 to C13		
1 x Power Cord Switzerland Type J to C13 (accessories)		
Technical Data RO-Wasserfilter VA-H-FT-DF-1000-20-1		
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)	
Ultrapure Water Production	At 6°C input temperature and 3.5 bar approx. 1.75 l/min (up to 2.3 l/min at higher temperatures)	
Ultrapure Water / Waste Water Ratio	Depending on the ultrapure water production the ratio is 1 : 0.8	
Water Connections	Water supply 3/8" JG connection – Waste Water 1/4" JG Hitch – Ultrapure 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 ² , 1.8 m	1000084
Power Cord Switzerland Type J to C13, 0.75 mm ² , 1.8 m	1000083
3-Way-Water Tap in stainless steel (matt)	7000001
1-Way-Water Tap in stainless steel (matt)	1000017
Drain Water Connector 1/4" Pipe AD	1000034
John Guest – Plastic Pipe – 1/4" Colour: natural (for ultrapure water)	PE-08-BI-0500F-N
John Guest – Plastic Pipe – 1/4" Colour: red (for waste water)	PE-08-BI-0500F-R
John Guest – Plastic Pipe – 3/8" Colour: blue (for water supply)	PE-12-EI-0500F-B
Connection Adapter 3/4" thread BSPP to 3/8" Pipe AD	NC2249LF
Hydro-Stopper, Water Leakage Detector with two Sensors	1000016
Storage tank - Reverse osmosis tank approx. 4 liters capacity	1000109
Storage tank - Reverse osmosis tank approx. 12 liters capacity	1000111
Storage Tank Connection Set	7000021
Connection set for washing machine or dishwasher - 3/8" pipe 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 - VA-H-FT-DF-1000-20-1				
Example materials	VAQ-Standard PP – Sediment filter 5 µm	Reverse osmosis membrane 0,0001 µm	VAQ-Standard GAC – Activated charcoal filter 0,5 µm	Filtration result
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	partially filtration	YES
Viruses	NO	YES	NO	YES
Organic substance	YES	YES	partially filtration	YES
THM, TEA	NO	YES	YES	YES
Diaxine	NO	YES	NO	YES
Radioactive elements	partially filtration	YES	NO	YES
Chlorine	NO	partially filtration	YES	YES
Pesticides	NO	YES	YES	YES
Sediment	YES	YES	partially filtration	YES
Bad taste & odor	NO	YES	YES	YES
Other soluble & insoluble substances	NO	YES	NO	YES