





Fig. 1


Features

- ✓ Fastest water production in its class
- ✓ Ideal for purified water production in the health sector
- ✓ Compact design
- ✓ High volume flow of ultrapure water
- ✓ Rinsing water recovery
- ✓ Connection to various machines and devices possible
- ✓ Original Dow® FILMTEC™ Osmosis-Membranes
- ✓ Easy maintenance via Push & Click filter change method
- ✓ Easy installation
- ✓ Long durability

 International Application


 Optimized for the health sector


 Filter Change via Push & Click Method

 Automatic Waterstop During Filter Change


 Rinsing Water Recovery

 Compact Design

 Water Production of up to 2.3 l/min

 Connectable to various machines

 Optional UV sterilization of the drinking water

 Optional distributor for several water consumers

Description

The next generation of direct-flow reverse osmosis. The RO-water filter VA-M-FT-DF-1000-20-1 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 dishwashers, coffee machines or ice cube machines. If several consumers are connected, an additional divider is available. The additional recovery of rinsing water reduces the amount of waste water significantly, which reduces the operating costs by approx. 25% to 40%. To sterilize the drinking water, an optional UV lamp can be installed on the system.

Technical Data | RO-Water Filter VA-M-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)

Packaging Content

- 1 x RO-Water Filter VA-M-FT-DF-1000-20-1 (without accessories)
- 2 x VA-Q-Standard PP – Sediment Filter Cartridge 10" (Prefilter)
- 1 x VA-Q-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)

*Depending on washing machine / dishwasher type.



Replacement Filters	Item Number
VA-Q-Standard PP – Sediment Filter Cartridge 10" (Prefilter)	1000066
VA-Q-Standard GAC – Activated Carbon Granulate-Cartridge 10" (Postfilter)	1000068
VA-Q-Standard CTO – Activated Carbon Block-Cartridge 10" (Postfilter) optional	1000067
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-M-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