

Technical Datasheet

VA-Basic PLUS



-  Ultra-pure water filter for boats and mobile homes
-  International Application
-  Automatic Waterstop During Filter Change
-  Filter Change via Push & Click Method
-  Compact design
-  Water Production of 0.8 up to 1.1 l/min
-  Easy Installation

The compact VA-Basic PLUS is the water filter system for boats and/or motorhomes. The system can be extended through a standardised mounting with additional functions as required. A high-quality osmosis membrane made with Original Dow® FILMTEC™ material guarantees comfortable water production.

The VA-Basic PLUS is divided into several modules that can be installed separately from each other and take up very little space. The maintenance of the system has been reduced to a minimum and, thanks to the Push & Click method, usually takes no longer than five minutes.

Developed for two different on-board power supply variants of 12 V and 24 V, the VA-Basic PLUS is ready for any electrical system. If a 12 V connection is available, a high-quality voltage converter is required to generate 24 V from the 12 V power supply (see accessories table).

Technical Data VA-Basic PLUS (without accessories)

Dimensions	Width: 430 mm, Height: 318 mm, Depth: 95 mm
Weight	2.5 kg (without accessories)
Temperature	Minimum 4 °C (39 °F) to maximum 38 °C (100 °F)
Operating pressure	Minimum 0.5 bar (22 psi) to maximum 5.0 bar (72 psi)
Ultra-pure water production	At 21 °C input water temperature and 4.5 bar approx. 1.1 l/min
Ultra-pure water / wastewater Ratio	Depending on the input water quality, the ratio is 1 : < 2
Water Connections	Water supply 3/8" JG connection – wastewater 1/4" JG connection – ultra-pure water 1/4" JG connection
Power connection	⎓ 12 V DC, 8 A, approx. 100 W

Scope of delivery VA-Basic PLUS 12 V version incl. booster pump with control unit

1 x voltage transformer for 12 V on-board networks
1 x VA-Standard PP – Sediment filter cartridge (pre-filter)
1 x Membrane 500 GPD (FilmTec™ material)
1 x VA-Standard GAC – Activated carbon granulate cartridge (post-filter)
1 x 1-Way-Tap, stainless steel, matt
1 x Tube set (9 m): 3 m 1/4" Tube in red and natural, and 3/8" Tube in blue 98 g

Replacement filters	Item Nummer
VA-Standard PP – Sediment filter cartridge (pre-filter) 328 g	1000066
VA-Standard GAC – Activated carbon granulate cartridge (post-filter) 426 g	1000068
VA-Standard CTO - Activated Carbon block cartridge (post-filter) optional 378 g	1000067
VA-Standard GAC + Mineralisation cartridge (post-filter) optional	1000169
VA-Standard UF Ultrafiltration cartridge hollow fibre membrane	1000168
Membrane 500 GPD (FilmTec™ material) 574 g	1000032

Additional Accessories	Item Number
3-Way-Tap, stainless steel, matt	7000001
1-Way-Tap, stainless steel, matt	1000017
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
VA-Basic PLUS - Extension 1/4" tap	4000029
VA-Basic PLUS - Extension for additional pre- or post-filters – Width: 94 mm, Height: 158 mm, Depth: 90 mm	4000031
Voltage converter 12 V to 24 V	1000227

Filtration results

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

Filtration result				
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 result VA-Basic Plus
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