

TECHNICAL DATA

Product type	Reverse osmosis watermaker
Application	Seawater for nautical application
Production	30 l/h $\pm 15\%$ (7,8 gal/h $\pm 15\%$) @35 ppm and 25 °C
Membrane	1x Membrane SW-2521
Rejection	99,5% (nominal)
Power supply	12 V $\pm 15\%$ DC 24 V $\pm 15\%$ DC
Absorption - Power required	9 A $\pm 15\%$ - 110 W $\pm 15\%$ (12 V) 4,5 A $\pm 15\%$ - 110 W $\pm 15\%$ (24 V)
Pump	Shurflo diaphragm pump
Pressure pump	7 - 8 bar
Flow rate pump	4,5 - 5 l/min
Water inlet temperature range	8 - 30 °C
Pre-filtration	1x 5micron filter 5"x2-1/2" 1x Active carbon filter 5"x2-1/2"
Weight	22 kg
Shipping dimensions	82x50x75 cm



HYDRAULIC CONNECTIONS

PUMP / FILTERS / NR VALVE

Seawater inlet	Hose barb DN16
Seawater outlet	Hose barb DN16

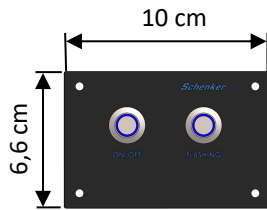
WATERMAKER

Seawater inlet	Hose barb DN16
Concentrated water outlet	Hose barb DN16
Fresh water outlet	Compression fitting 1/4" for hose 6x8

CONTROL SYSTEMS AND OPTIONAL DEVICES

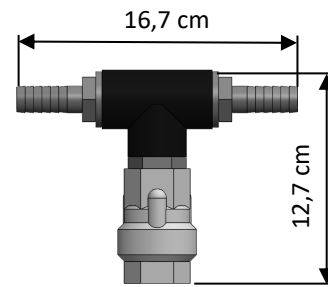
Electronics	Basic
Automatic flushing	Standard
Safety control	High/low pressure Low voltage
Salinity monitoring	N.A.

COMPONENTS



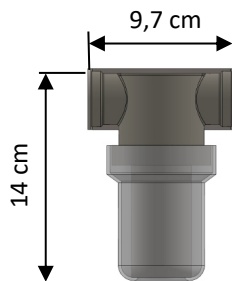
CONTROL PANEL

Depth: 3,6 cm – Cut dimensions: 7,6x4,4 cm



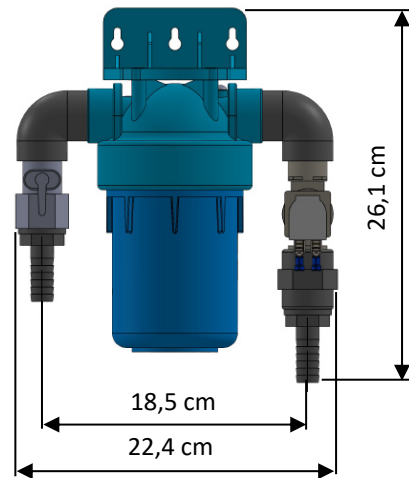
NON-RETURN VALVE

Depth: 4,7 cm



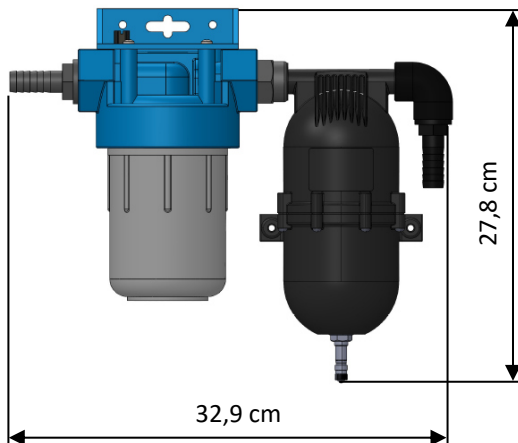
MESH FILTER GROUP

Depth: 9,1 cm



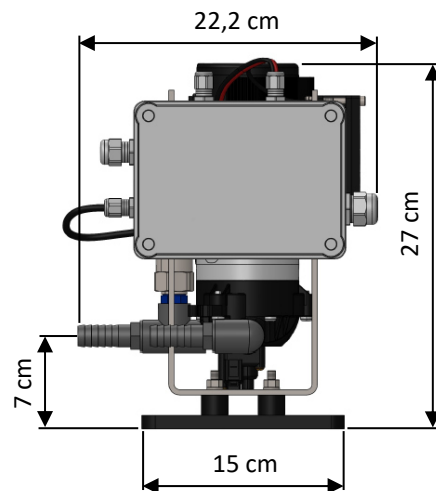
ACTIVE CARBON FILTER GROUP

Depth: 13,8 cm



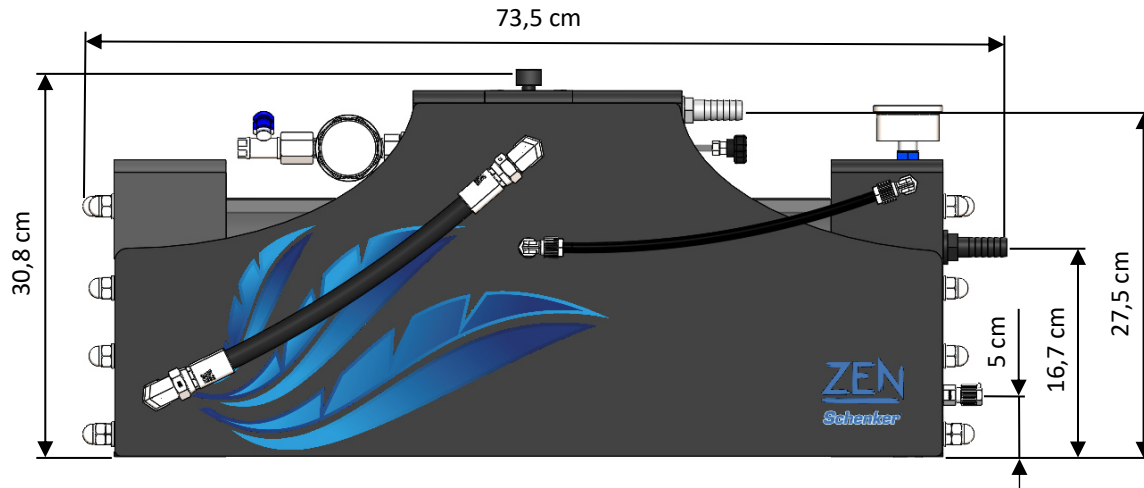
5 MICRON FILTER GROUP

Depth: 11,6 cm



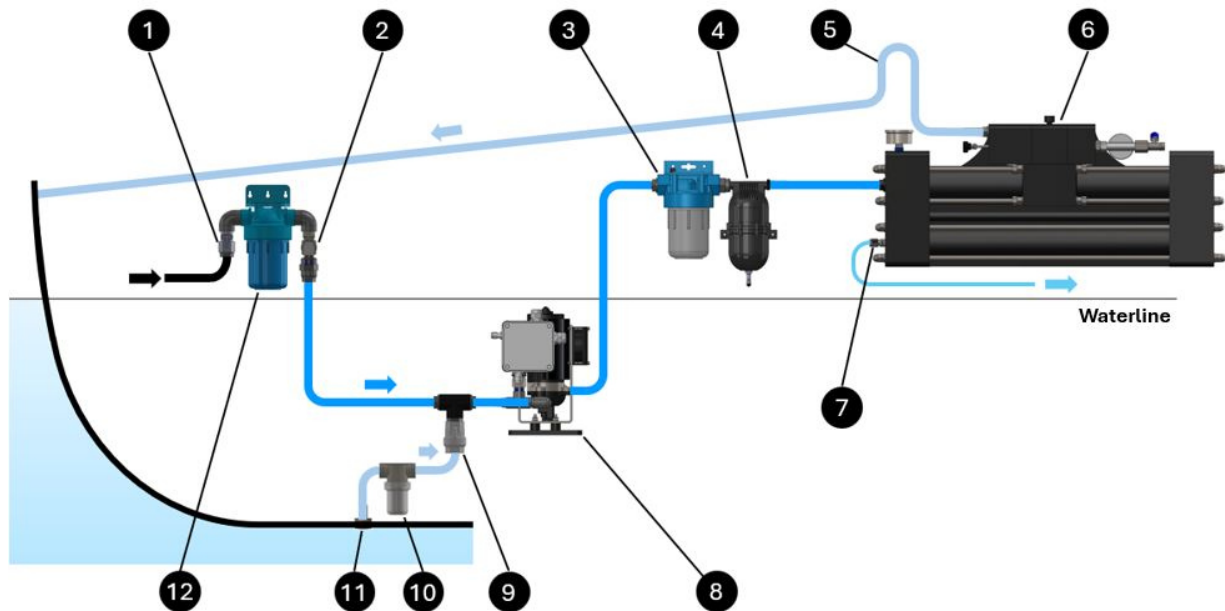
PUMP GROUP

Depth: 23 cm - Weight: 4,7 kg



WATERMAKER
Depth: 15,3 cm - Weight: 17,6 kg

INSTALLATION SCHEME



- | | |
|---------------------------------|-------------------------|
| 1 Pressurized fresh water valve | 7 Fresh water outlet |
| 2 Electrovalve | 8 Pump |
| 3 5 micron filter | 9 Non return valve |
| 4 Accumulator | 10 Mesh filter |
| 5 Swan neck upwater - Discharge | 11 Sea water inlet |
| 6 Watermaker | 12 Active carbon filter |

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