Schenker®
WATERMAKERS

TECHNICAL DATA

Product type	Reverse osmosis watermaker
Application	Seawater for nautical application
Production	50 l/h ±15% (13,2 gal/h ±15%) @35.000 ppm and 25 °C
Membranes	2x Membrane SW-2521
Rejection	99,5% (nominal)
Power supply	12 V ±15% DC 24 V ±15% DC
Absorption - Power required	22 A ±15% - 250 W ±15% (12 V) 11,8 A ±15% - 250 W ±15% (24 V)
Pumps	2x Shurflo diaphragm pump
Pressure pump	7 - 8 bar
Flow rate pump	7,9 - 8,3 l/min
Water inlet temperature range	8 - 30 °C
Pre-filtration	1x 5micron filter 10”x2-1/2” 1x Active carbon filter 2-7/8" x 9-3/4"
Weight	31 kg
Shipping dimensions	82x52x64 cm





HYDRAULIC CONNECTIONS

PUMP / FILTERS / NR VALVE

Seawater inlet	Hose barb DN16
Seawater outlet	Hose barb DN16

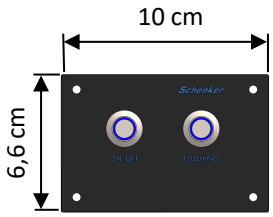
WATERMAKER

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

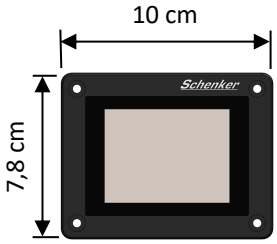
CONTROL SYSTEMS AND OPTIONAL DEVICES

Electronics	Basic / Minitouch
Automatic flushing	Standard
Safety control	High/low pressure Low voltage
Salinity monitoring	N.A. (Basic) / Optional (Touch)

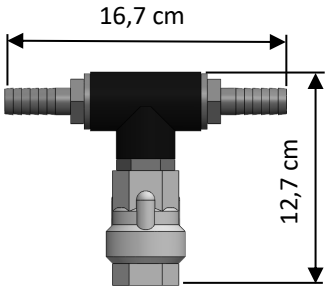
COMPONENTS



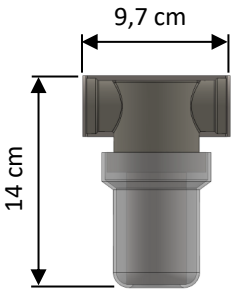
CONTROL PANEL (BASIC)
Depth: 3,2 cm
Cut dimensions: 7,6x4,4 cm



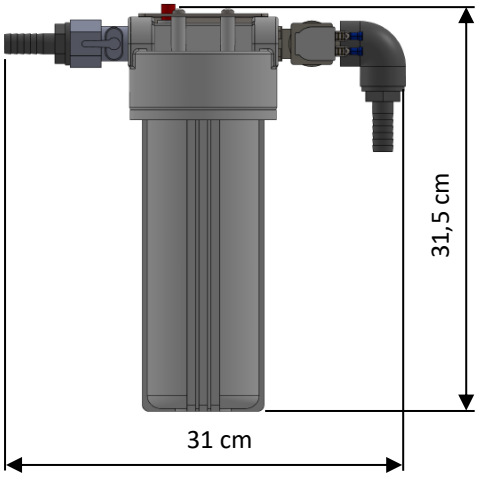
CONTROL PANEL (MINITOUCH)
Depth: 3,2 cm
Cut dimensions: 7,9x5,6 cm



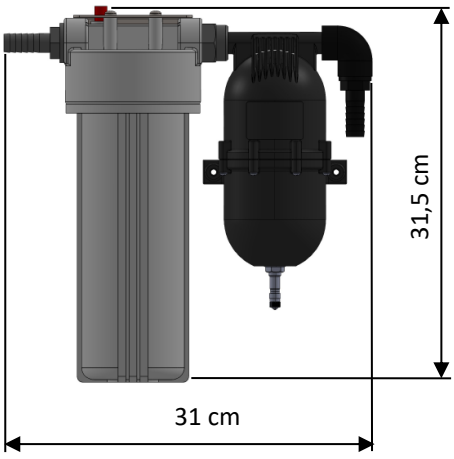
NON-RETURN VALVE
Depth: 4,7 cm



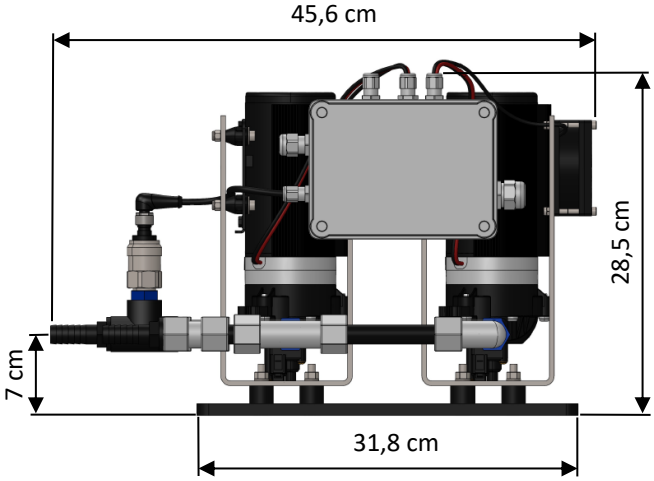
MESH FILTER GROUP
Depth: 9,1 cm



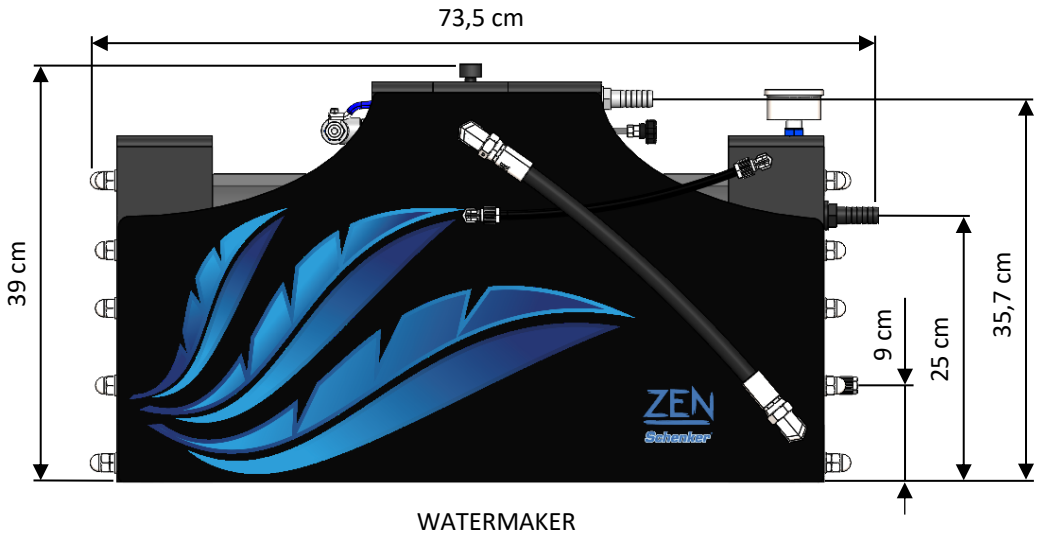
ACTIVE CARBON FILTER GROUP
Depth: 13,1 cm



5 MICRON FILTER GROUP
Depth: 13 cm

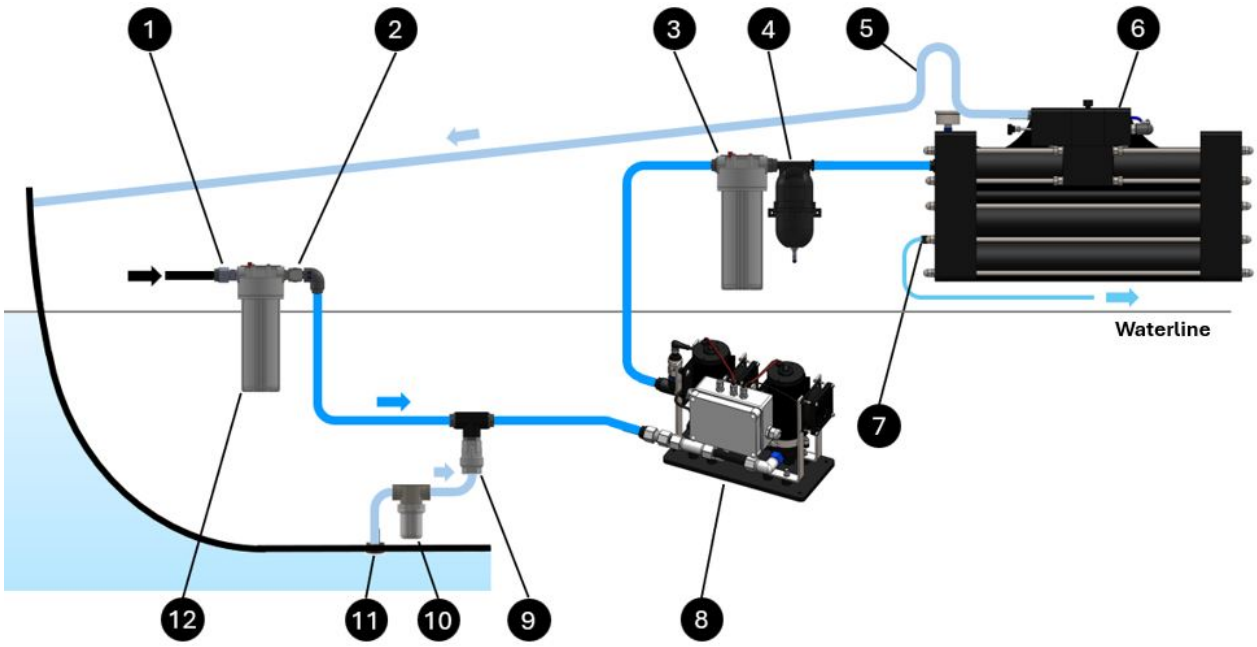


PUMP GROUP
Depth: 24 cm - Weight: 9,2 kg



WATERMAKER
Depth: 15,3 cm - Weight: 21,3 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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