Schenker®
WATERMAKERS

TECHNICAL DATA

Product type	Reverse osmosis watermaker
Application	Seawater for nautical application
Production	300 l/h ±15% (79 gal/h ±15%) @35.000 ppm and 25 °C
Membranes	4x Membrane SW-4021
Rejection	99,5% (nominal)
Power supply	24 V ±15% DC 48 V ±15% DC 110 V ±15% AC - 60 Hz 230 V ±15% AC - 50/60 Hz 24V-230V ±15% - 50/60 Hz 48V-230V ±15% - 50/60 Hz
Absorption - Power required	25 A ±15% - 600 W ±15% (24 V) 13 A ±15% - 600 W ±15% (48 V) 6 A ±15% - 700 W ±15% (110 V) 3 A ±15% - 700 W ±15% (230 V)
Pumps	2x Rotary pump
Pressure pump	10 - 11 bar
Flow rate pumps	31,7 – 33,3 l/min
Water inlet temperature range	8 - 30 °C
Pre-filtration	2x 5micron filter 10”x2-1/2” 2x Active carbon filter 2-7/8" x 9-3/4"
Weight	120 kg
Shipping dimensions	88x64x124 cm

ZEN
TWIN
300 lit/h
Gal/h 79



HYDRAULIC CONNECTIONES

PUMP / FILTERS / NR VALVE

Seawater inlet	Hose barb DN20/22 - DN20
Seawater outlet	Hose barb DN20/22 - DN20

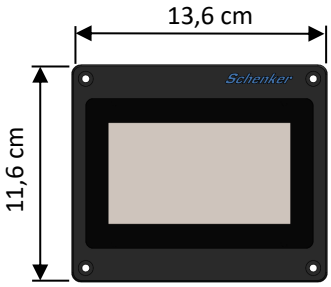
WATERMAKER

Seawater inlet	Hose barb DN20/22
Concentrated water outlet	Hose barb DN16
Fresh water outlet	Compressor fitting 1/4” for hose 6x8

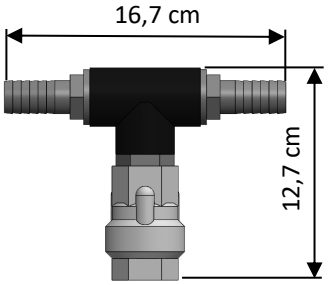
CONTROL SYSTEMS AND OPTIONAL DEVISES

Electronics	Touch
Automatic flushing	Standard
Safety control	High/low pressure Low voltage
Salinity monitoring	Standard

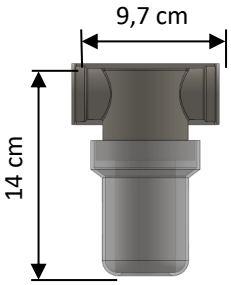
COMPONENTS



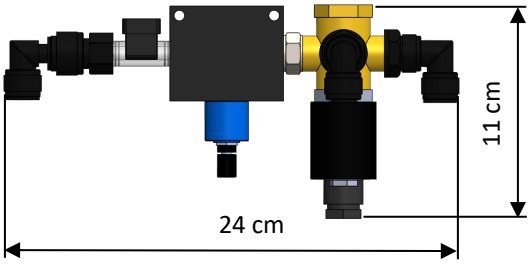
CONTROL PANEL
Depth: 3,2 cm
Cut dimensions: 11x8,8 cm



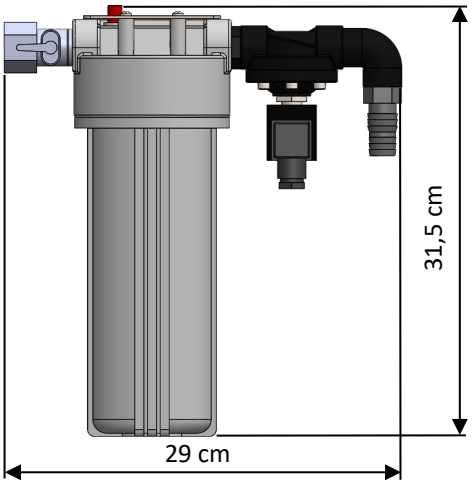
NON RETURN VALVE
Depth: 4,7 cm



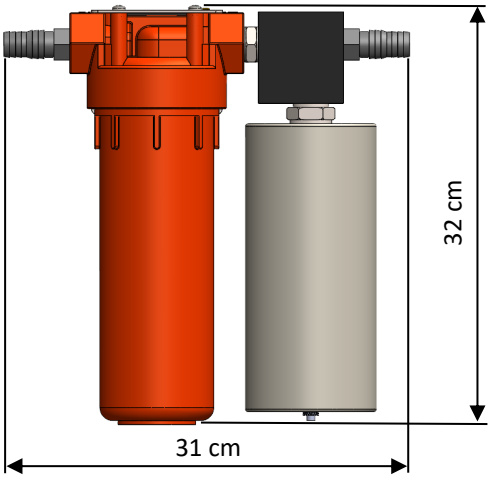
MESH FILTER GROUP
Depth: 9,1 cm



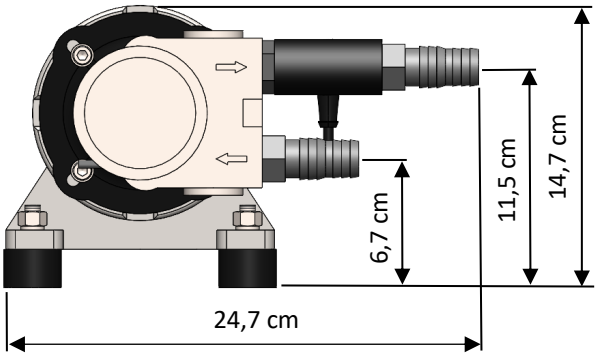
VALVOLA DEVIATRICE + FLUSSOMETRO
Depth: 11,5 cm



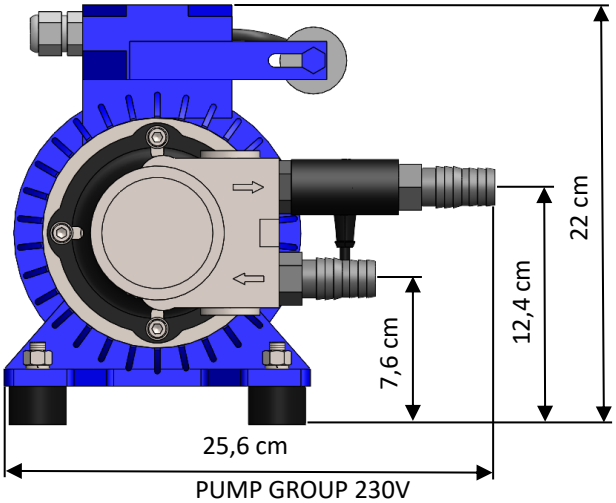
ACTIVE CARBON FILTER GROUP
Depth: 12,8 cm



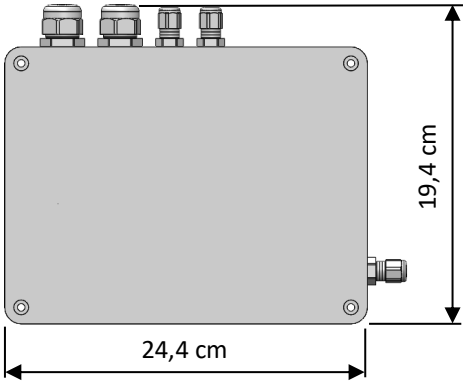
5 MICRON FILTER GROUP
Depth: 11,3 cm



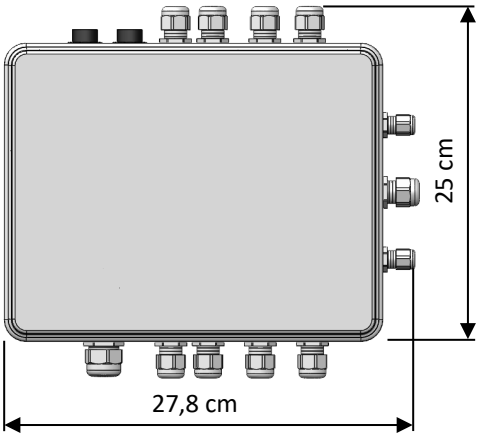
PUMP GROUP 12/24/48V
Depth: 37,1 cm - Weight: 10,1 kg



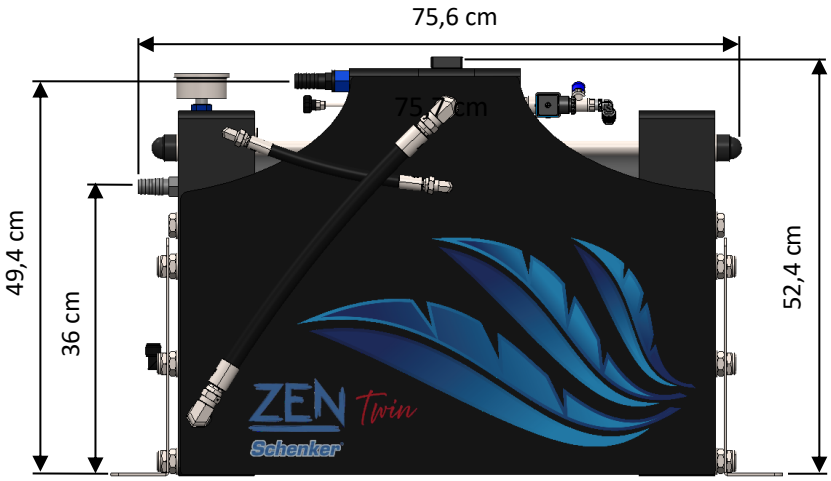
PUMP GROUP 230V
Depth: 40,4cm – Weight: 12kg



ELECTRICAL PUMP BOX
Depth: 10,6 cm

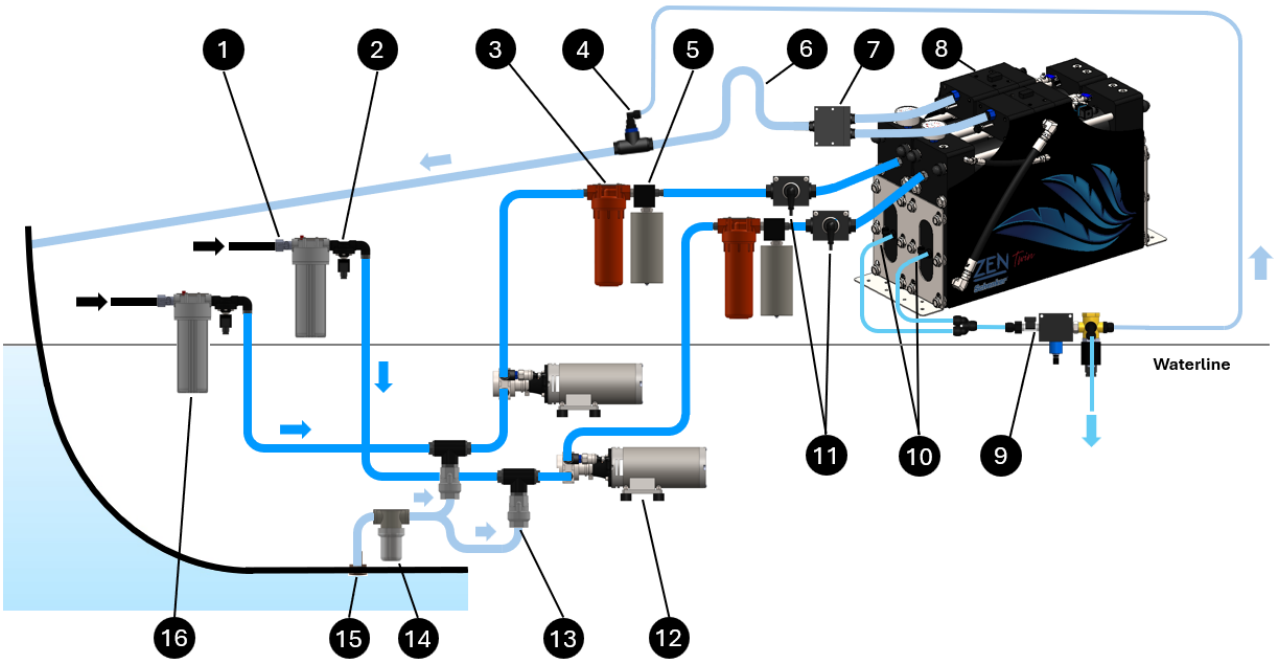


COMPUTER BOX
Depth: 10 cm



WATERMAKER
Depth: 40 cm - Weight: 96,4 kg

INSTALLATION SCHEME



1	Pressurized fresh water valves	**9**	Diverting valve + flowmeter + Salinity probe
2	Electrovalves	**10**	Fresh water outlet
3	5 micron filters	**11**	Pressure trasducer
4	Diverting valve discharge	**12**	Pump
5	Accumulator	**13**	Non return valve
6	Swan neck upwater - Discharge	**14**	Mesh filter
7	Exhaust valve	**15**	Sea water inlet
8	Watermaker	**16**	Active carbon filter

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