Schenker® WATERMAKERS

TECHNICAL DATA

Product type	Reverse osmosis watermaker
Application	Seawater for nautical application
Production	150 l/h ±15% (39,46 gal/h ±15%) @35.000 ppm e 25 °C
Membranes	2x Membrane SW-4021
Rejection	99,5% (nominal)
Power supply	12 V ±15% DC 24 V ±15% DC 48 V ±15% DC 230 V ±15% AC - 50/60 Hz
Absorption - Power required	42 A ±15% - 500 W ±15% (12 V) 20 A ±15% - 500 W ±15% (24 V) 9,6 A ±15% - 500 W ±15% (48 V) 3 A ±15% - 700 W ±15% (230 V)
Pumps	Rotary pump
Pressure pump	10-11 bar
Flow rate pump	15,6 – 16,6 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"

QUBE
150 lit/h
gal/h 39.46



HYDRAULIC CONNECTIONS

PUMP / FILTERS / NR VALVE

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

WATERMAKER

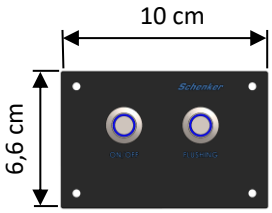
Seawater inlet	Hose barb DN20/22
Concentrated water outlet	Hose barb DN16
Fresh water outlet	Compression fitting 1/4” for hose 6x8

CONTROL SYSTEMS AND OPTIONAL DEVICES

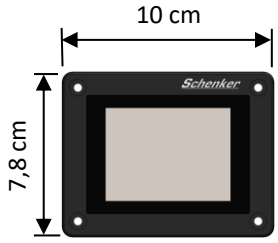
Electronica	Basic / Minitouch / Touch
Constant pressure working	Default
Automatic flushing	Default with reduction of RPM motor at 30%*
Safety control	High/low pressure Low voltage

*Not available for 230V

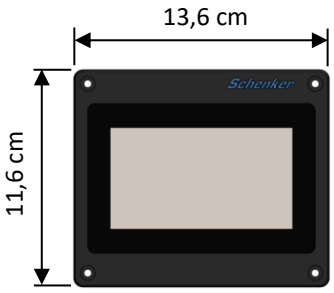
COMPONENTS



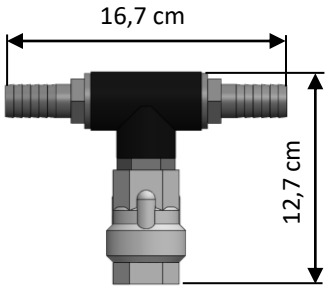
CONTROL PANEL (BASIC)
Depth: 3,2 cm
Cut dimensions: 7,6x4,4 cm



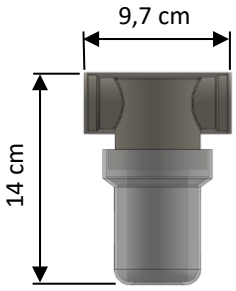
CONTROL PANEL (MINITOUCH)
Depth: 3,2 cm
Cut dimensions: 7,9x5,6 cm



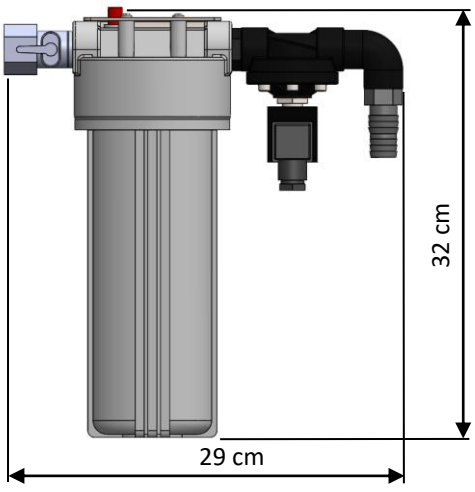
CONTROL PANEL (TOUCH)
Depth: 3,2 cm
Cut dimensions: 11x8,8 cm



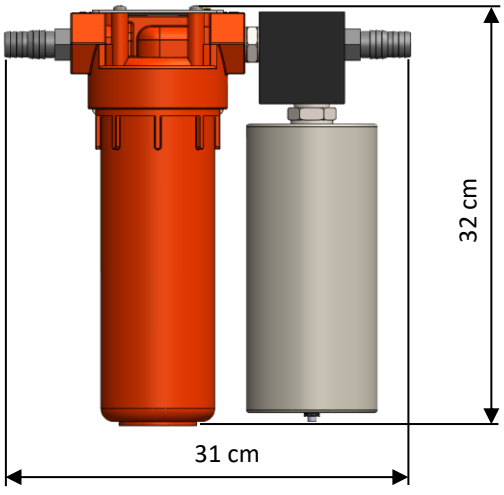
NON-RETURN VALVE
Depth: 4,7 cm



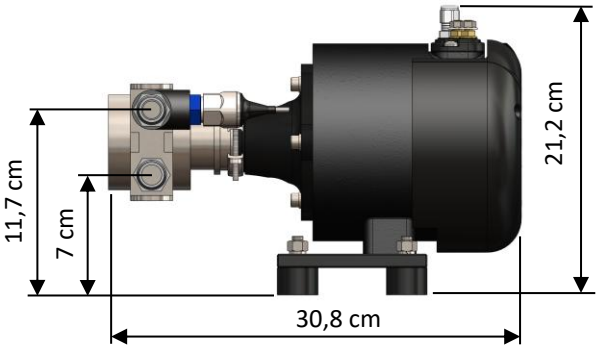
MESH FILTER GROUP
Depth: 9,1 cm



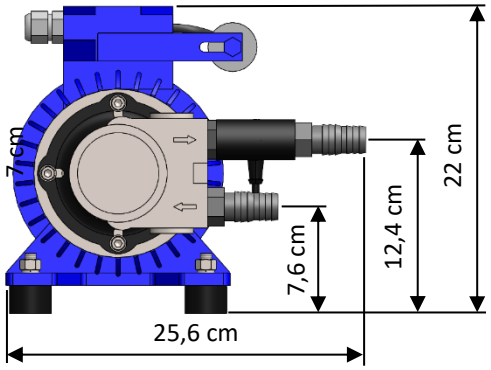
ACTIVE CARBON FILTER GROUP
Depth: 13,1 cm



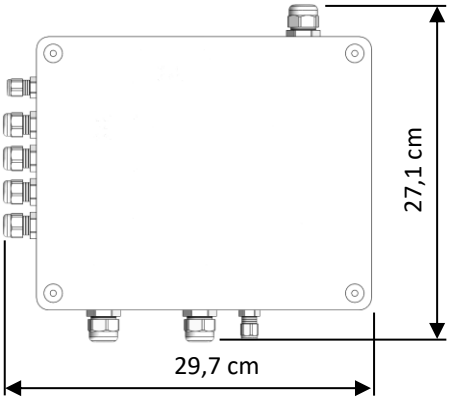
5 MICRON FILTER GROUP
Depth: 11,3 cm



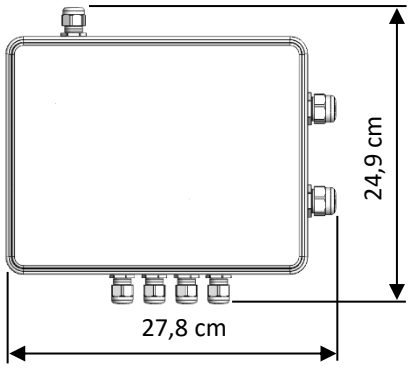
PUMP GROUP 12/24/48V
Depth: 25,5 cm - Weight: 8,9 kg



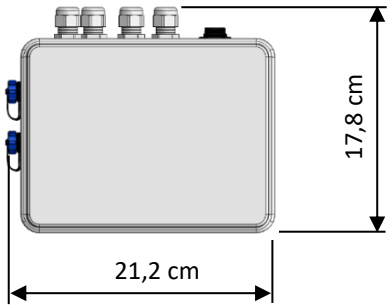
PUMP GROUP 48V
Depth: 43,3 cm - Weight: 14,1 kg



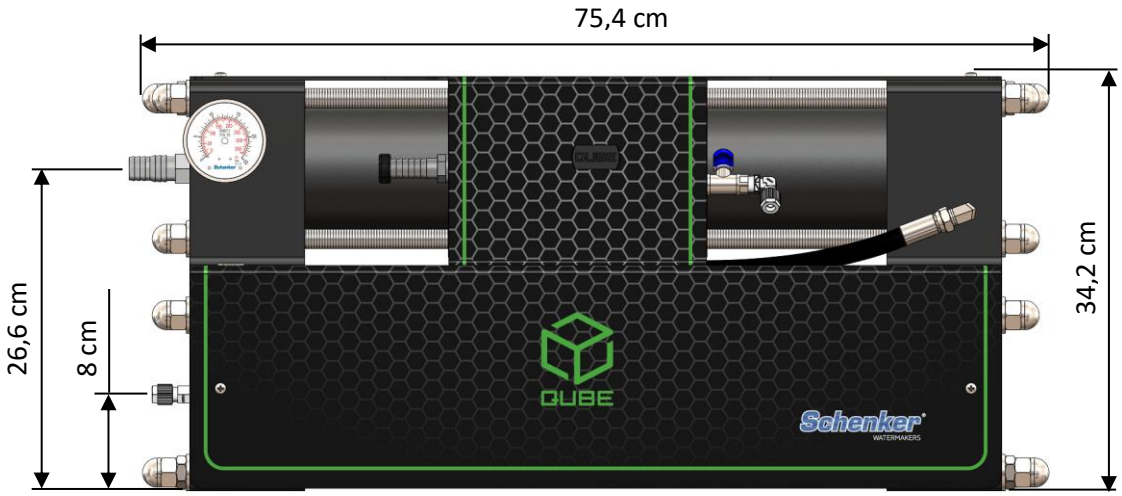
ELECTRICAL PUMP BOX (BASIC)
Depth: 12,8 cm



ELECTRICAL PUMP BOX (TOUCH)
Depth: 9,6 cm

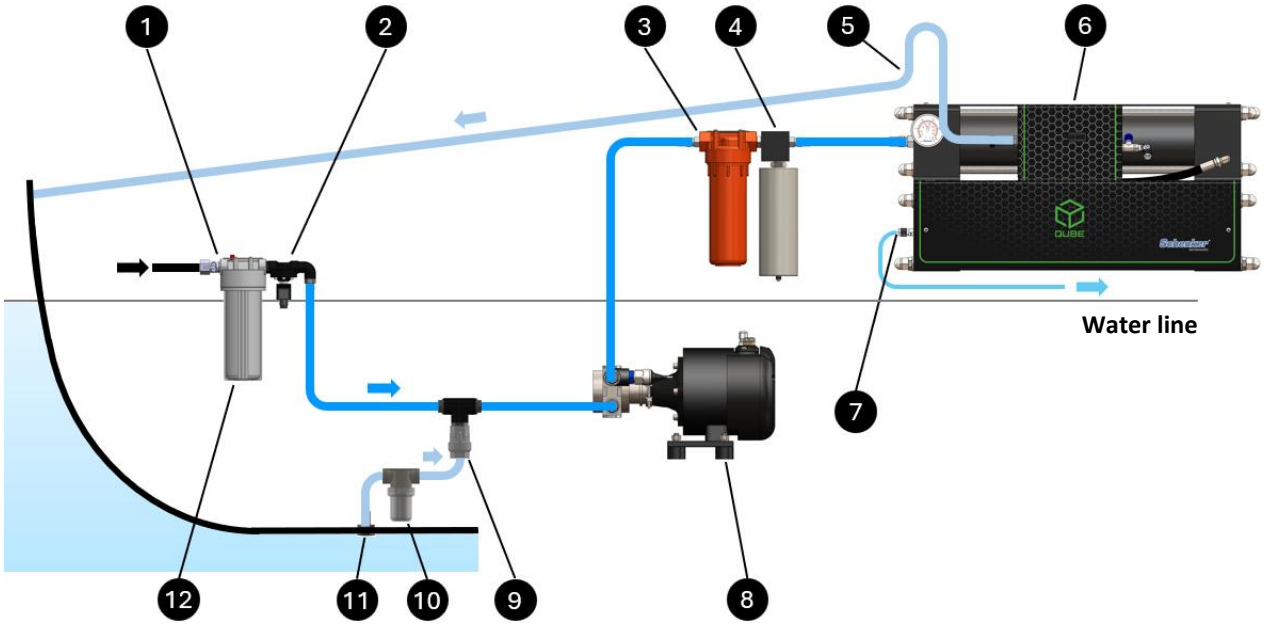


COMPUTER BOX (TOUCH)
Depth: 8 cm



WATERMAKER
Depth: 27,8 cm - Weight: 46 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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