

TECHNICAL DATA

Product type	Reverse osmosis watermaker
Application	Seawater for nautical application
Production	100 l/h ±15% (26,4 gal/h ±15%) @35 ppm e 25 °C
Membranes	2x Membrane SW-4021
Rejection	99,5% (nominal)
Power supply	12 V ±15% DC 24 V ±15% DC 230 V ±15% AC - 50/60 Hz
Absorption - Power required	36 A ±15% - 400 W ±15% (12 V) 16 A ±15% - 400 W ±15% (24 V) 2,5 A ±15% - 600 W ±15% (230 V)
Pumps	Rotary pump
Pressure pump	7-8 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"



HYDRAULIC CONNECTIONS

PUMP / FILTERS / NR VALVE

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

WATERMAKER

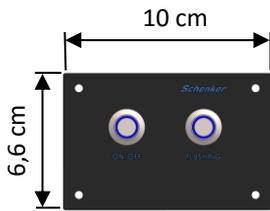
Seawater inlet	Hose barb DN20/22
Concentrated water outlet	Hose barb DN16
Fresh water outlet	Compression fitting 1/4" for hose 6x8

CONTROL SYSTEMS AND OPTIONAL DEVICES

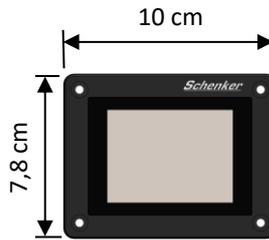
Electronica	Basic / Minitouch / Touch
Constant pressure working	Default
Automatic flushing	Default with reduction of RPM motor at 30%*
Safety control	High/low pressure Low voltage

*Not available for 230V

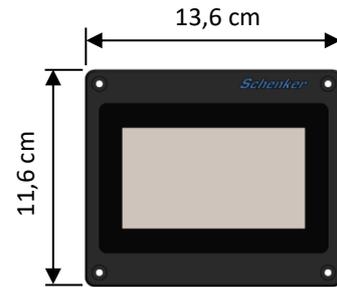
COMPONENTS



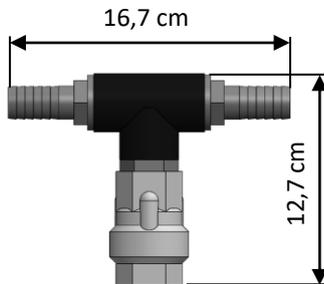
CONTROL PANEL (BASIC)
Depth: 3,2 cm
Cut dimensions: 7,6x4,4 cm



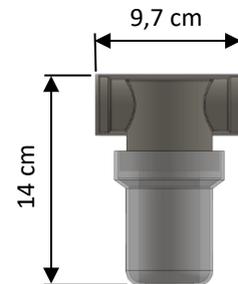
CONTROL PANEL (MINITOUCH)
Depth: 3,2 cm
Cut dimensions: 7,9x5,6 cm



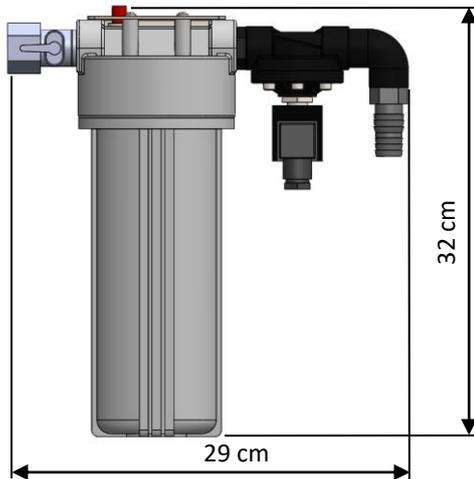
CONTROL PANEL (TOUCH)
Depth: 3,2 cm
Cut dimensions: 11x8,8 cm



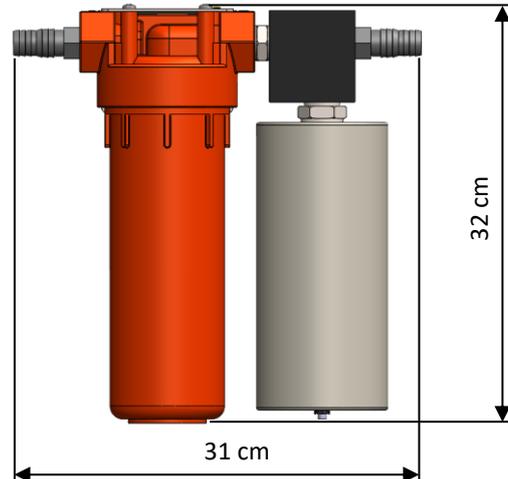
NON-RETURN VALVE
Depth: 4,7 cm



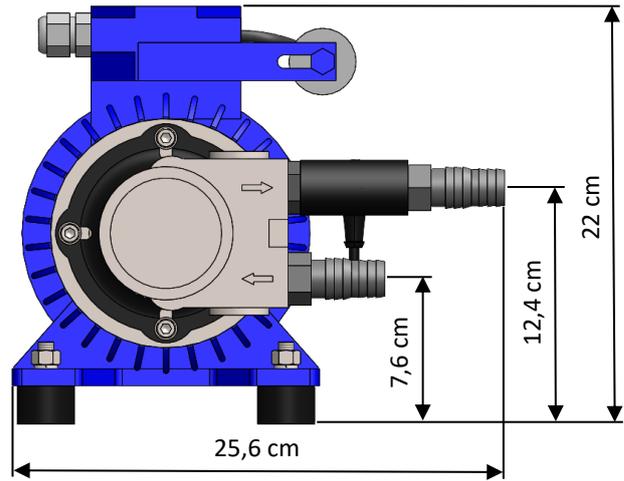
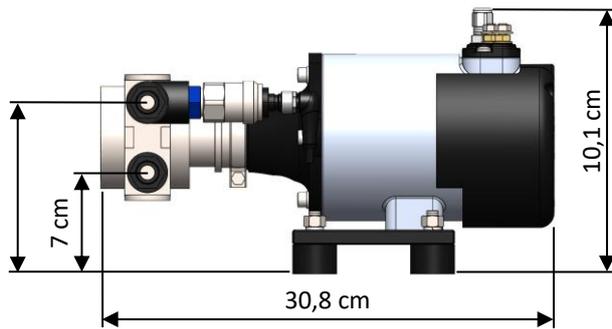
MESH FILTER GROUP
Depth: 9,1 cm



ACTIVE CARBON FILTER GROUP
Depth: 13,1 cm

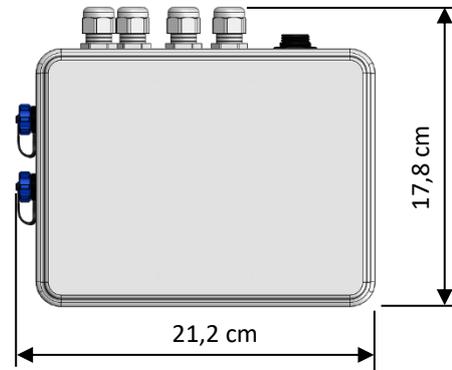
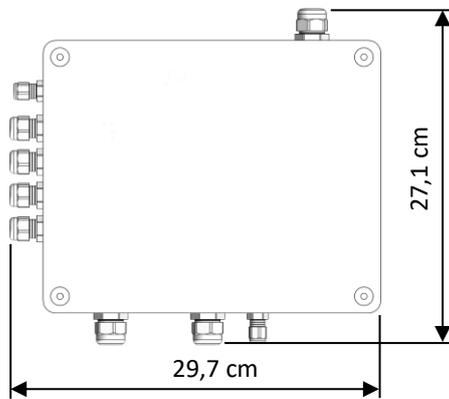


5 MICRON FILTER GROUP
Depth: 11,3 cm



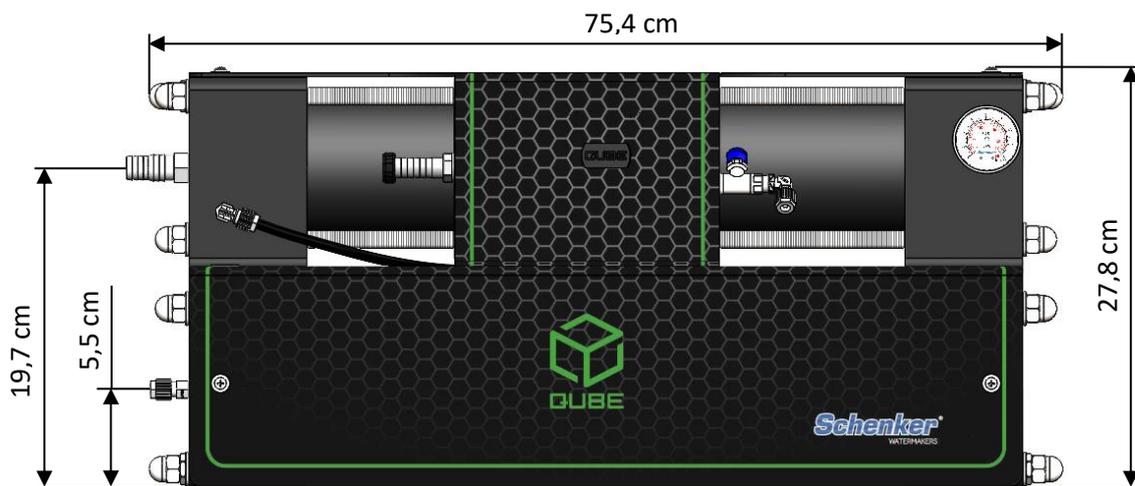
PUMP GROUP
Depth: 25,5 cm - Weight: 6,7 kg

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



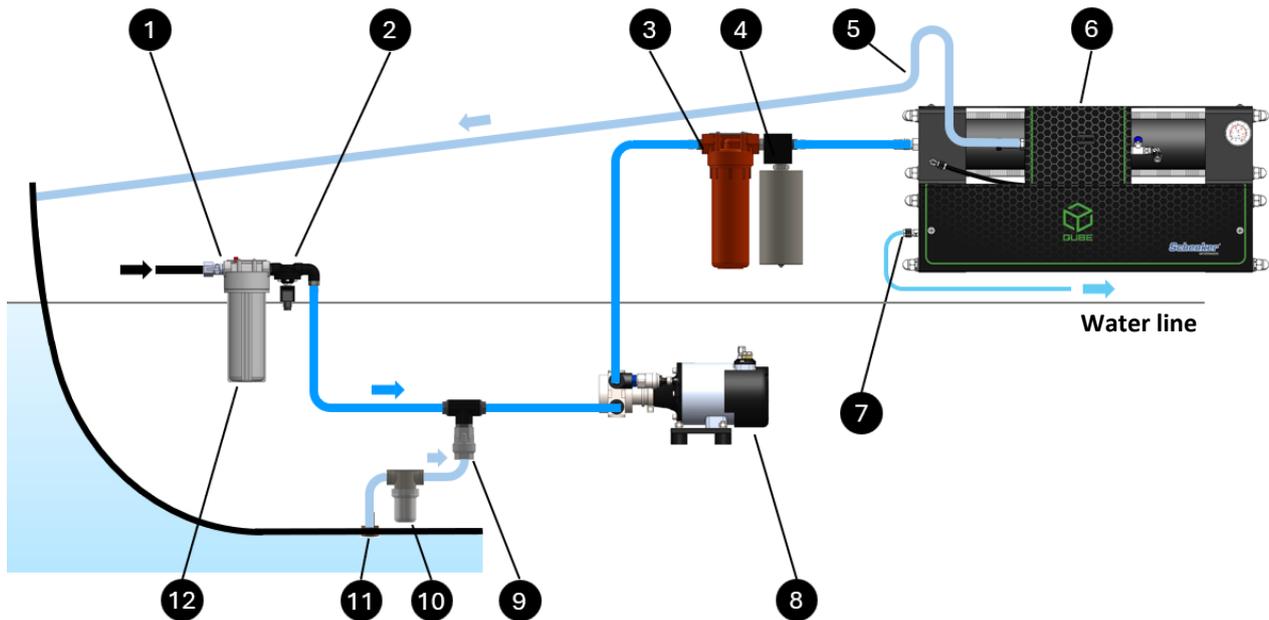
ELECTRICAL PUMP BOX (BASIC)
Depth: 12,8 cm

COMPUTER BOX (TOUCH)
Depth: 8 cm



WATERMAKER
Depth: 33,6 cm - Weight: 42,2 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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