

## TECHNICAL DATA

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

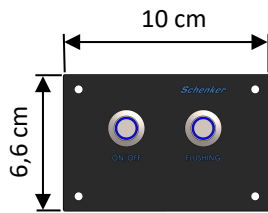
|                           |                                       |
|---------------------------|---------------------------------------|
| Seawater inlet            | Hose barb DN20/22                     |
| Concentrated water outlet | Hose barb DN16                        |
| Fresh water outlet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

## CONTROL SYSTEMS AND OPTIONAL DEVICES

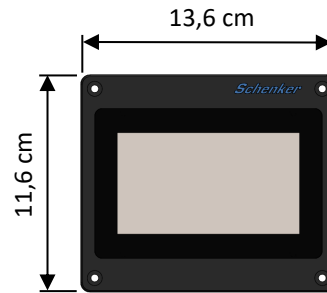
|                           |                                             |
|---------------------------|---------------------------------------------|
| Electronica               | Basic / Touch                               |
| Constant pressure working | Default                                     |
| Automatic flushing        | Default with reduction of RPM motor at 50%* |
| Safety control            | High/low pressure<br>Low voltage            |

\*Not available for 230V

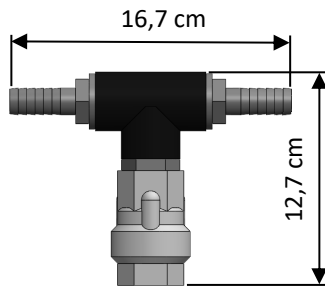
## COMPONENTS



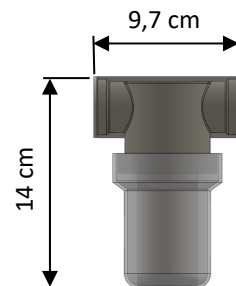
CONTROL PANEL (BASIC)  
Depth: 3,6 cm  
Cut dimensions: 7,6x4,4 cm



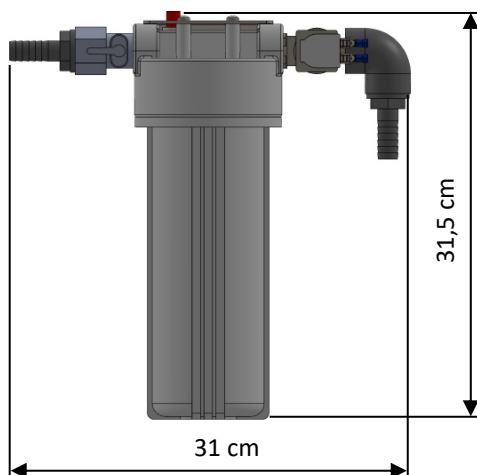
CONTROL PANEL (TOUCH)  
Depth: 3,2 cm  
Cut dimensions: 11x8,8 cm



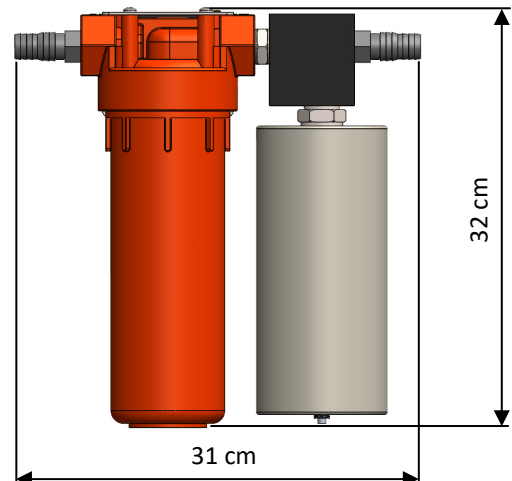
NON-RETURN VALVE  
Depth: 4,7 cm



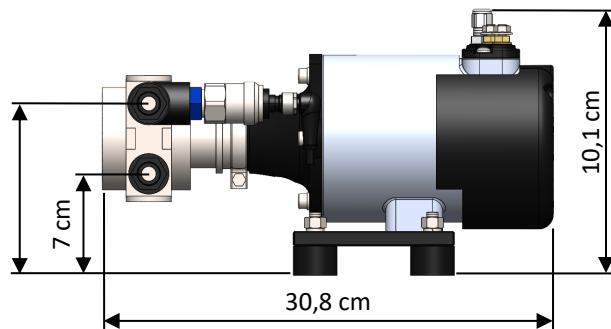
MESH FILTER GROUP  
Depth: 9,1 cm



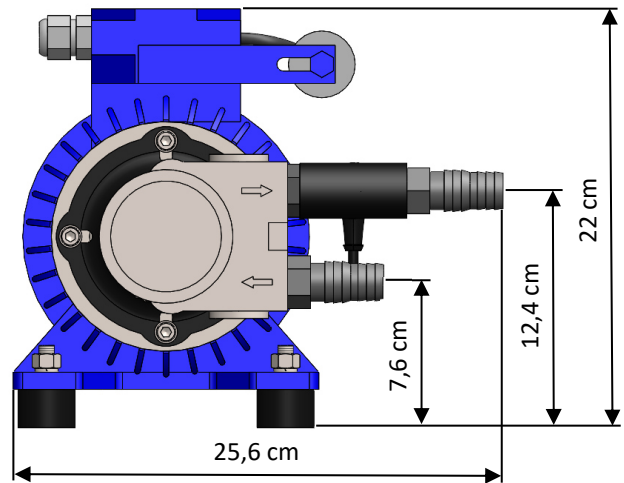
ACTIVE CARBON FILTER GROUP  
Depth: 13,1 cm



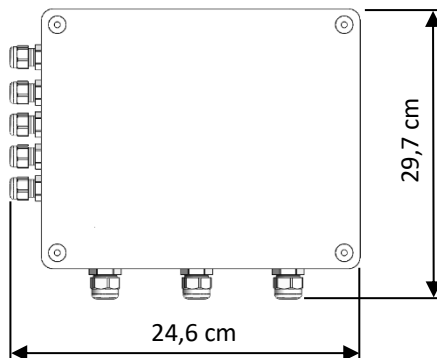
5 MICRON FILTER GROUP  
Depth: 11,3 cm



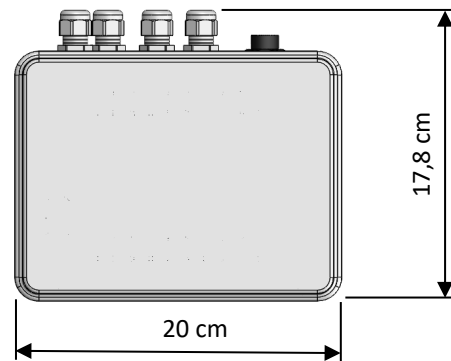
PUMP GROUP  
Depth: 25,5 cm - Weight: 6,7 kg



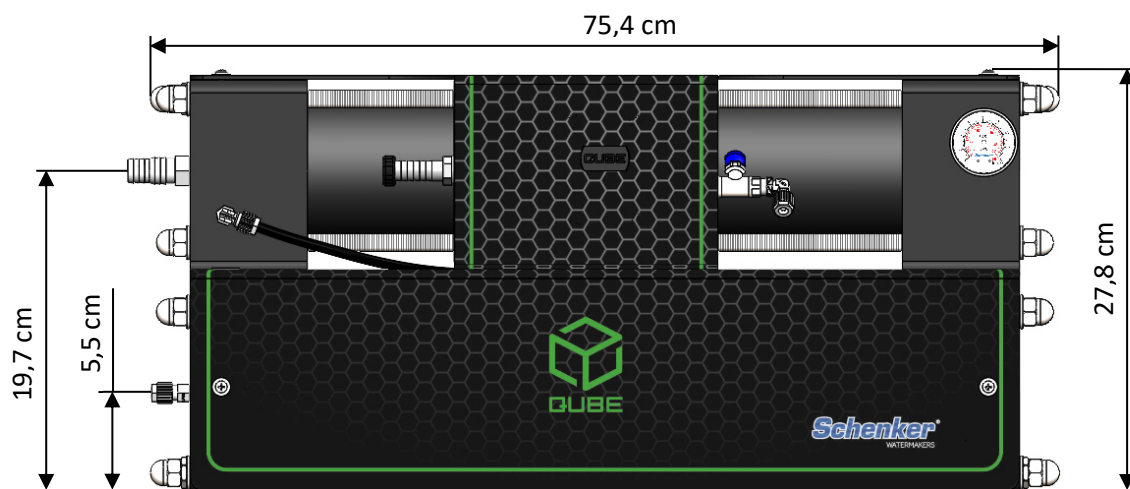
PUMP GROUP 230V  
Depth: 40,4cm – Weight: 12kg



ELECTRICAL PUMP BOX  
Depth: 12,8 cm

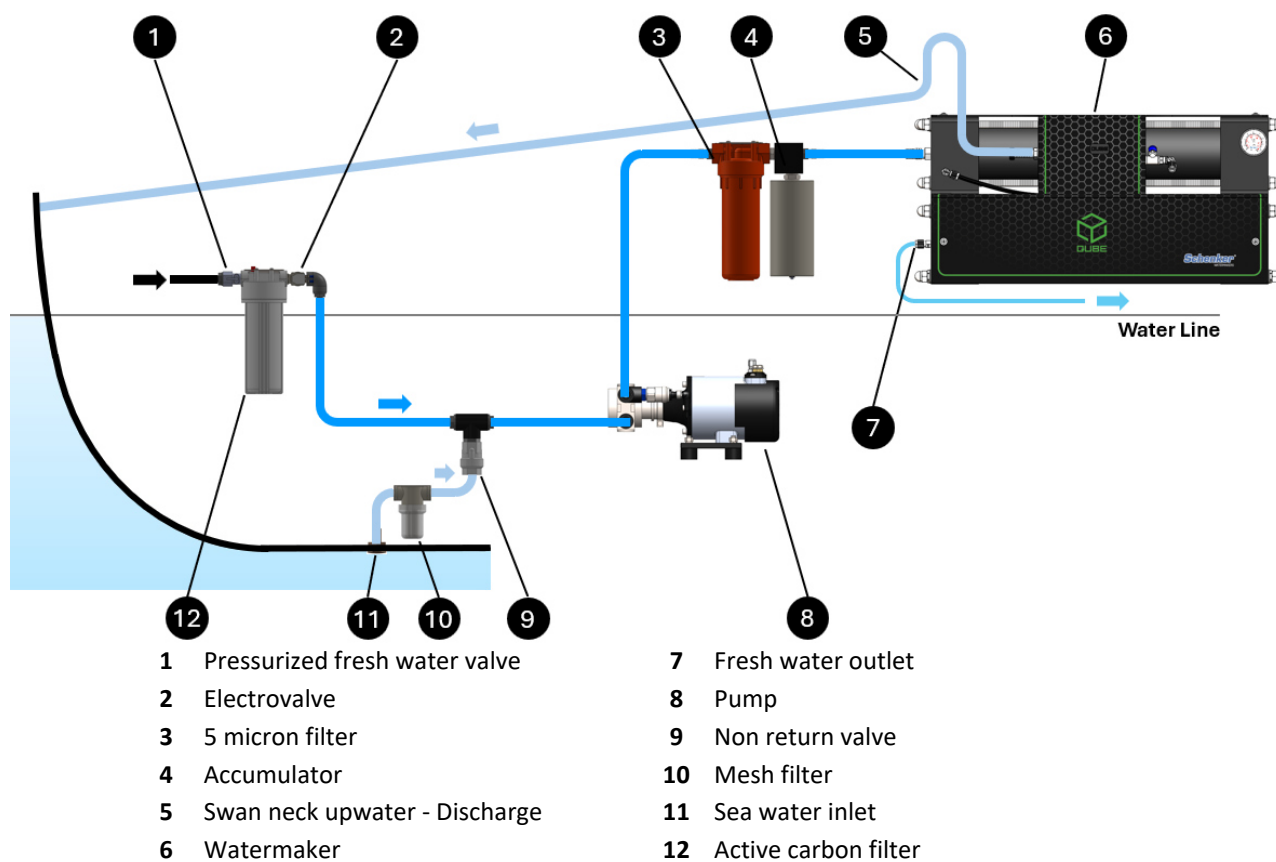


COMPUTER BOX (TOUCH)  
Depth: 8 cm



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

## INSTALLATION SCHEME



### SCHENKER ITALIA s.r.l.

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