

## TECHNICAL DATA

|                               |                                                              |
|-------------------------------|--------------------------------------------------------------|
| Product type                  | Reverse osmosis watermaker                                   |
| Application                   | Seawater for nautical application                            |
| Production                    | 200 l/h $\pm 15\%$ (53 gal/h $\pm 15\%$ )<br>@35 ppm e 25 °C |
| Membrane                      | 4x Membrane SW-4021                                          |
| Rejection                     | 99,5% (nominal)                                              |
| Power supply                  | 12 V $\pm 15\%$ DC                                           |
|                               | 24 V $\pm 15\%$ DC                                           |
|                               | 48 V $\pm 15\%$ DC                                           |
|                               | 110 V $\pm 15\%$ AC - 60 Hz                                  |
|                               | 230 V $\pm 15\%$ AC - 50/60 Hz                               |
|                               | 12 V-230V $\pm 15\%$ - 50/60 Hz                              |
| Absorption - Power required   | 24 V-230 V $\pm 15\%$ - 50/60 Hz                             |
|                               | 48 V-230 V $\pm 15\%$ - 50/60 Hz                             |
|                               | 33 A $\pm 15\%$ - 400 W $\pm 15\%$ (12 V)                    |
|                               | 17 A $\pm 15\%$ - 400 W $\pm 15\%$ (24 V)                    |
|                               | 11 A $\pm 15\%$ - 400 W $\pm 15\%$ (48 V)                    |
|                               | 5,3 A $\pm 15\%$ - 600 W $\pm 15\%$ (110 V)                  |
|                               | 2,5 A $\pm 15\%$ - 600 W $\pm 15\%$ (230 V)                  |
| Pumps                         | 2x Rotary pump                                               |
| Pressure pump                 | 7-8 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                        | 102 kg                                                       |
| Shipping dimensions           | 88x64x124 cm                                                 |



## HYDRAULIC CONNECTIONES

### PUMP / FILTERS / NR VALVE

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

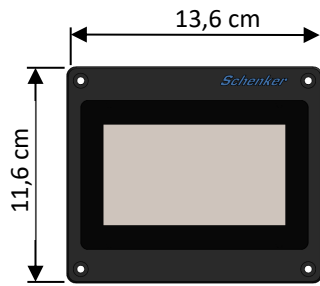
### WATERMAKER

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

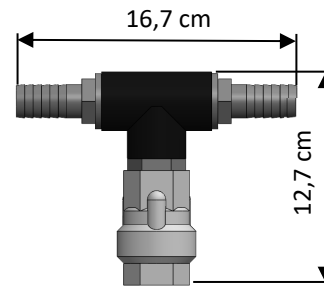
## CONTROL SYSTEMS AND OPTIONAL DEVICES

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

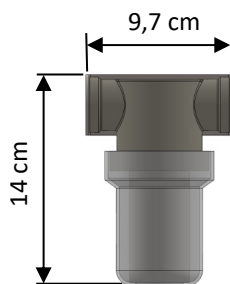
## COMPONENTS



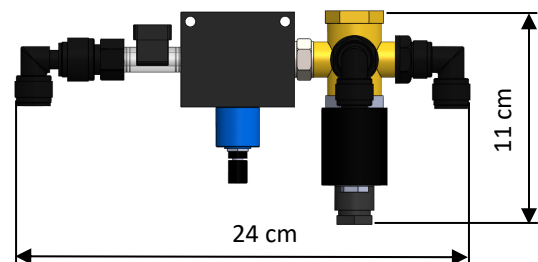
**CONTROL PANEL**  
Depth: 3,2 cm  
Cut dimensions: 11x8,8 cm



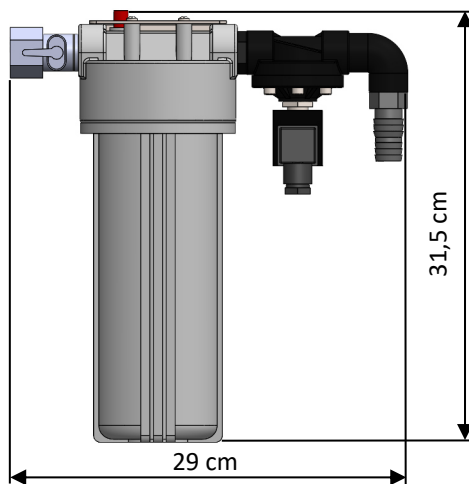
**NON RETURN VALVE**  
Depth: 4,7 cm



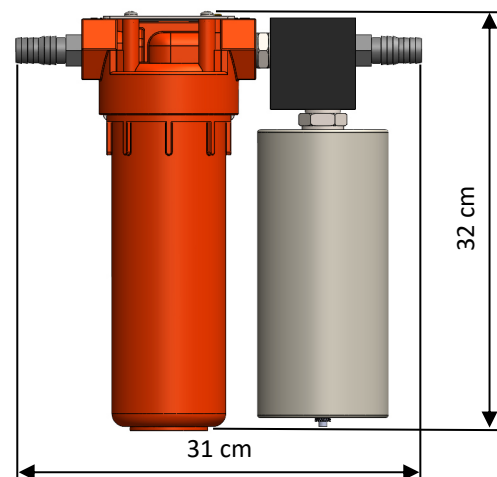
**MESH FILTER GROUP**  
Depth: 9,1 cm



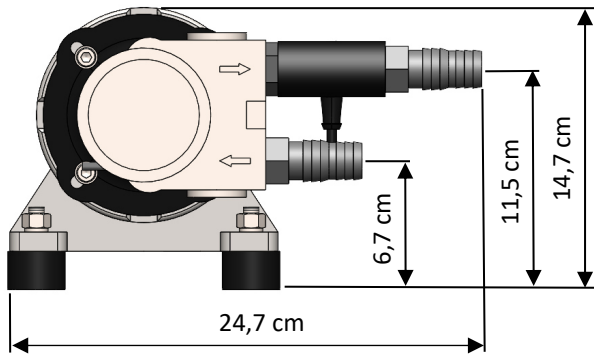
**VALVOLA DEVIATRICE + FLUSSOMETRO**  
Depth: 11,5 cm



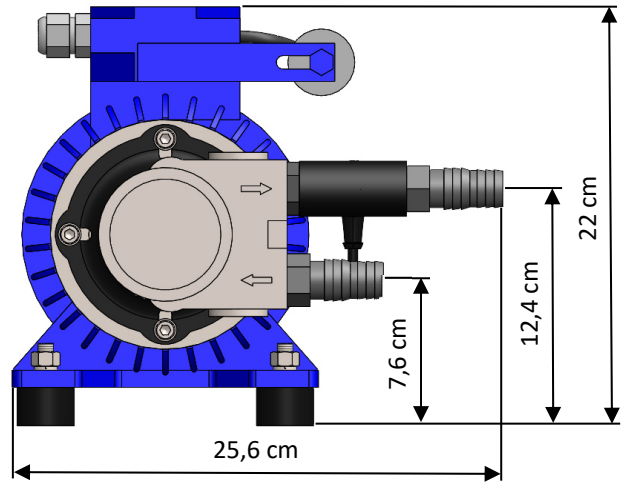
**ACTIVE CARBON FILTER GROUP**  
Depth: 12,8 cm



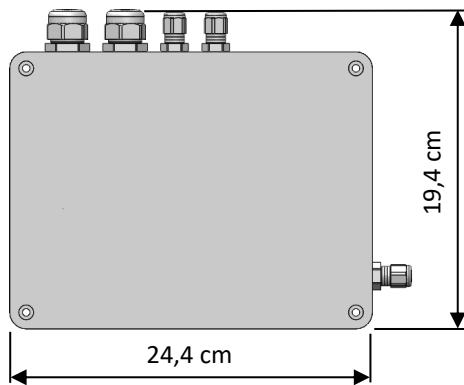
**5 MICRON FILTER GROUP**  
Depth: 11,3 cm



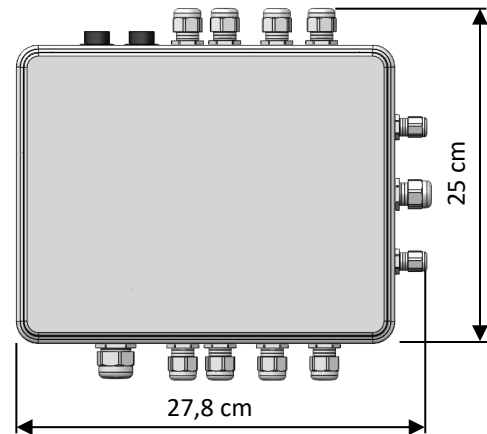
PUMP GROUP 12/24/48V  
Depth: 37,1 cm - Weight: 10,1 kg



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



ELECTRICAL PUMP BOX  
Depth: 10,6 cm

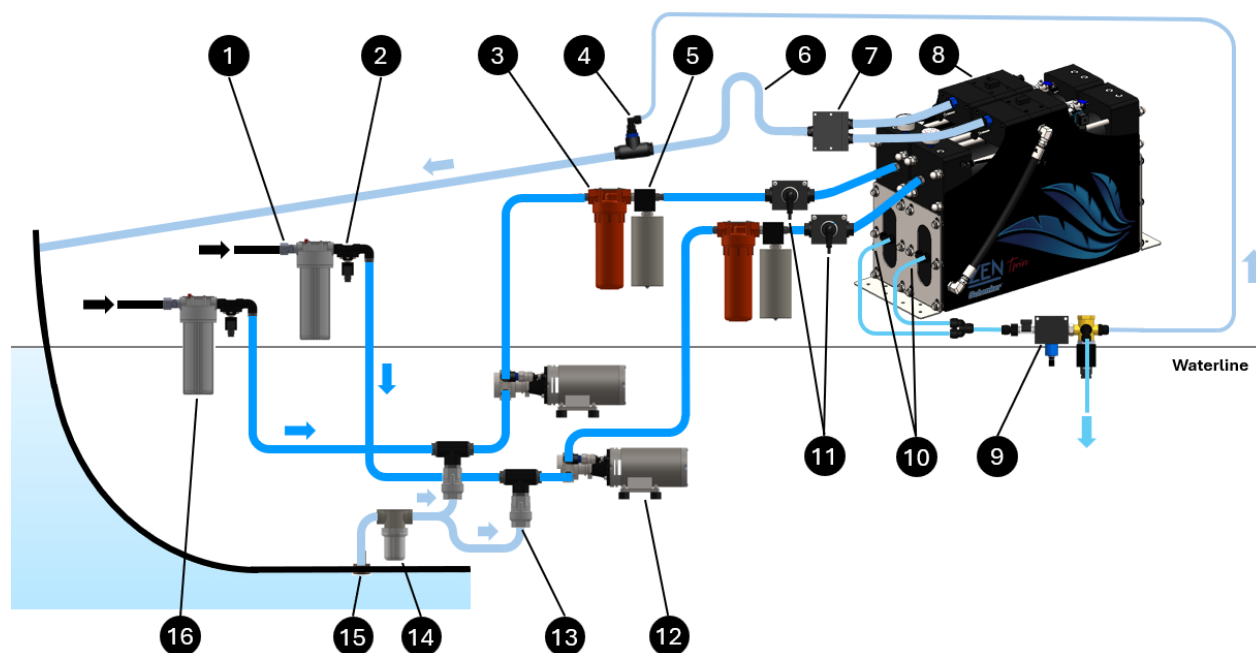


COMPUTER BOX  
Depth: 10 cm



WATERMAKER  
Depth: 39 cm - Weight: 85,3 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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