



## SCHENKER ZEN 100 NAUTICAL WATERMAKER WITH FLOW RATE 100 LT/H

Reference:

### SCHENKER ZEN 100 WATERMAKER WITH CAPACITY 100 LT/H

The Schenker ZEN 100 marine watermaker is a quiet, compact, lightweight, efficient, and convenient system. It can be installed in any position, either horizontally or vertically. The flow rates indicated are nominal and may vary by  $\pm 20\%$  depending on actual operating conditions.

The power consumption of the Schenker ZEN 100 is up to 80% lower compared to traditional systems. For example, to produce 100 liters/hour of fresh water, only 400 W are required. The normal engine recharge is therefore more than sufficient to replenish the energy consumed, without the need for a generator.

Thanks to its extremely low power consumption, the Schenker ZEN 100 can be powered directly from the batteries and can also be installed without a generator.

With 80% lower consumption and no generator required, the CO<sub>2</sub> emissions needed for water production are reduced by more than 85%.

Operation is extremely simple, as no manual adjustments are required. All systems are equipped with automatic pressure regulation, and all functions are controlled remotely via the control panel.

The Schenker ZEN 100 does not use high-pressure pumps, ensuring extremely quiet operation and no vibrations.

The parts in contact with seawater are mainly made of carbon fiber or acetal resin, making the system completely corrosion-free.

In the 2.0 systems, components subject to wear, such as o-rings and traditional hydraulic seals, have been eliminated. Sealing and sliding elements are made with innovative nanotechnology pads, offering abrasion resistance up to 15 times higher than steel.

Schenker units use the patented ENERGY RECOVERY SYSTEM<sup>®</sup>, which amplifies the pressure provided by low-pressure pumps, ensuring extremely high energy efficiency. Typical consumption is only 4 Watts per liter. The ERS is specifically designed for marine applications and is built with materials completely resistant to brackish water. Moving parts are minimized thanks to the patented solution that eliminates the need for pilot valves.

#### The Schenker ZEN 100 marine watermaker kit includes:

- Watermaker with Energy Recovery System
- Feed pump with seawater filter
- Activated carbon filter with solenoid valve
- Seawater intake strainer
- Filter wrench
- Non-return valve

- Freshwater production hose (5 meters)
- Remote control panel
- Installation kit (assortment of screws and fittings)
- User manual

### Technical specifications Schenker ZEN 100:

Power: 400 W  
Power supply: 12 / 24 / 48 VDC or 230 VAC  
Flow rate: 100 L/h  
Membranes: 2 x 4" x 21"  
Length: 727 mm  
Width: 196 mm  
Height: 520.5 mm  
Weight: 53 kg

### Standard functions:

- Automatic pressure regulation
- High-pressure shutdown

### Remote control functions:

- Remote start/stop
- Watermaker flushing
- Timed operation

Looking for a marine watermaker similar to the SCHENKER ZEN 100 but with different features? [CLICK HERE](#) to explore our full range.

### Technical Sheet

Power (W)	400
Length (mm)	727
Width (mm)	195
Height (mm)	520
Feed Type	
Production for hour at 25°C (Lt/h)	100
Daily production at 25°C (Lt/day)	2400
Membranes	n.2 4" x 21"
Remote panel	Digital
Product type	Watermaker
Weight (Kg)	53
Remote Panel Size	100 x 66 mm