



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

**Product price:**

**7.766,00 € tax excluded**

## **Product description:**

SCHENKER ZEN 100 WATERMAKER WITH CAPACITY 100 LT/H

Schenker ZEN 100 is a quiet, small, lightweight, efficient and convenient nautical watermaker. It can be installed in all positions, horizontally and vertically.

The watermaker capacities shown are nominal and therefore may vary by  $\pm 20\%$  depending on actual operating conditions.

The power consumption of the Schenker ZEN 100 is up to 80% lower than conventional systems. For example, only 400 W is needed to produce 100 liters per hour of fresh water. This means that normal engine charging is largely sufficient to replenish the energy consumed, without the need for a generator set.

Because of the very low power consumption, the Schenker ZEN 100 can be powered directly from the batteries. The watermaker can also be installed without a generator set.

Thanks to the 80% lower power consumption and the lack of a generator set, the CO<sub>2</sub> emissions required for water production are reduced by more than 85%.

The use of the Schenker ZEN 100 is extremely simple, as no regulation is required. In fact, all systems are equipped with automatic pressure regulation. Therefore, no direct access to the watermaker is necessary. All functions are performed remotely via the remote panel.

The Schenker ZEN 100 does not use high-pressure pumps. The result is extremely quiet operation and a total absence of vibrations.

The parts of the watermaker that come into contact with seawater are mostly carbon fiber or acetal resin. The Schenker is therefore totally corrosion-free.





In the 2.0 systems, all components potentially subject to wear such as o-rings and traditional hydraulic seals have been eliminated. The sealing and sliding elements are made with innovative pads made with nano-technologies. These materials exhibit an abrasion resistance up to 15 times higher than steel.

Schenker plants, as an alternative to the high-pressure pumps of traditional plants, use the new patented ENERGY RECOVERY SYSTEM, which amplifies the pressure provided by low-pressure pumps, allowing a very high energy efficiency. The typical power consumption of a Schenker watermaker is only 4 Watts/liter.

The ERS is designed specifically for marine applications and is made of materials that are completely impervious to saltwater. Moving parts are kept to a minimum, thanks to the patented solution that eliminates the need for pilot valves.

The Schenker ZEN 100 Marine watermaker Kit contains:

- Desalinator with Energy Recovery System
- Feed pump with sea water filter
- Activated carbon filter with solenoid valve
- Mains filter sea intake
- Filter key
- Non return valve
- Fresh water production pipe (5 meters)
- Remote panel
- Installation kit (assortment of screws and fittings)
- Instruction manual

Technical features Schenker ZEN 100:

Power: 400 W

Power supply: 12 / 24 / 48 VDC or 230 VAC

Flow rate: 100 Lt/h

Membranes: no. 2 4" x 21"

Length: 727 mm

Width: 196 mm

Height: 520.5 mm

Weight: 53 Kg

**Standard functions:**

- Automatic pressure regulation
- High pressure lock





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**Remote control functions:**

- Remote start/stop
- Desalinator flushing
- Timed operation

See all our watermakers by clicking here

Images and technical data are not binding.

**Product features:**

Power (W): 400

Length (mm): 727

Width (mm): 195

Height (mm): 520

Feed Type: 12 / 24 / 48 VDC or 230 VAC

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

