



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

**Product price:**

**10.296,00 € tax excluded**

## **Product description:**

SCHENKER ZEN 100 TOUCH WATERMAKER WITH CAPACITY 100 LT/H

Schenker ZEN 100 TOUCH is a quiet, small, lightweight, efficient and convenient marine 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 TOUCH is up to 80% lower than conventional systems. For example, only 400 W is needed to produce 100 liters per hour of fresh water. The normal recharging of the engine is therefore largely sufficient to replenish the energy consumed, without the need for a generator.

Thanks to the very low power consumption, the Schenker ZEN 100 TOUCH can be powered directly from the batteries. It is possible to install the watermaker even without a generator set. Because of the 80% lower power consumption and the lack of a generator, 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 from innovative pads manufactured using nano-



technology. 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 TOUCH Nautical Watermaker Kit contains:

- Watermaker with Energy Recovery System
- Feed pump with sea water filter
- Active carbon filter with solenoid valve
- Mains filter with sea water intake
- Filter wrench
- Check valve
- Fresh water production hose (5 meters)
- Remote panel
- Installation kit (assortment of screws and fittings)
- Instruction manual

Technical features Schenker ZEN 100 TOUCH:

Power: 400 W

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

Flow rate: 100 Lt/h

Membranes: n.2 4" x 21"

Control panel: Digital touch screen

Length: 727 mm

Width: 196 mm

Height: 520. 5 mm

Weight: 53 Kg

**Standard functions:**

- Automatic pressure regulation
- High pressure lockout

**Remote control functions:**

- Remote start/stop
- Desalter flow
- 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 o 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 touch screen

Product type: Watermaker

Weight (Kg): 53

