



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

Reference:

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

The Schenker ZEN 100 TOUCH is a quiet, small, lightweight, efficient, and affordable marine watermaker. It can be installed in any position, horizontally or vertically.

The watermaker flow rates indicated are nominal and may vary by  $\pm 20\%$  depending on actual operating conditions.

The Schenker ZEN 100 TOUCH's electricity consumption is up to 80% lower than traditional systems. For example, to produce 100 liters/hour of fresh water, just 400 W is sufficient. Normal engine charging 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 TOUCH can be powered directly from the batteries. The watermaker can be installed even without a generator.

The Schenker ZEN 100 is extremely simple to use, as no adjustments are required. In fact, all systems are equipped with automatic pressure regulation. Therefore, no direct access to the watermaker is required. All functions are controlled remotely via the remote control 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 in contact with seawater are mostly carbon fiber or acetal resin. The Schenker is therefore completely free from corrosion. All components potentially subject to wear, such as O-rings and traditional hydraulic seals, have been eliminated in the 2.0 systems. The sealing and sliding elements are made with innovative pads created using nanotechnology. These materials exhibit abrasion resistance 15 times greater than steel.

As an alternative to the high-pressure pumps of traditional systems, Schenker systems use the new patented ENERGY RECOVERY SYSTEM, which amplifies the pressure provided by low-pressure pumps, enabling extremely high energy efficiency. The typical electrical consumption of a Schenker watermaker is only 4 watts/liter.

The ERS was specifically designed for marine applications and is made with materials completely resistant to salt water. Moving parts are minimized, thanks to the patented solution that eliminates the need for pilot valves.

The Schenker ZEN 100 TOUCH marine watermaker kit contains:

- Watermaker with Energy Recovery System
- Feed pump with seawater filter
- Activated carbon filter with solenoid valve
- Seawater intake mesh filter
- Filter wrench
- Non-return valve
- Freshwater production hose (5 meters)
- Remote panel
- Installation kit (assortment of screws and fittings)

- Instruction manual

#### **Technical features of the Schenker ZEN 100 TOUCH:**

Power: 400 W  
Power supply: 12 / 24 / 48 VDC or 230 VAC  
Flow rate: 100 Lt/h  
Membranes: 2 4" x 21"  
Control panel: Digital touch screen  
Length: 757 mm  
Width: 190 mm  
Height: 520 mm  
Weight: 53 Kg

#### Standard functions:

- Automatic pressure regulation
- High pressure cut-off

#### Remote control functions:

- Remote start/stop
- Desalinator flushing
- Timed operation

Are you looking for a nautical watermaker similar to the SCHENKER ZEN 100? TOUCH but with different features? [CLICK HERE](#) and discover our entire range.

### **Technical Sheet**

Power (W)	400
Length (mm)	757
Width (mm)	190
Height (mm)	520
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