



# SCHENKER ZEN 50 TOUCH

## Product description:

### **SCHENKER ZEN 50 NAUTICAL WATERMAKER WITH A CAPACITY OF 50 L / h**

The Schenker ZEN 50 watermaker is a quiet, small, lightweight, efficient and convenient nautical watermaker. It can be installed in all positions, horizontally and vertically.

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

The power consumption of the Schenker ZEN 50 marine desalinator is up to 80% lower than conventional systems. For example, only 240 W are needed to produce 60 liters per hour of fresh water. The normal engine recharging 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 50 watermaker can be powered directly from the batteries. The desalinator can also be installed without a generator set.

The use of the Schenker ZEN 50 marine watermaker is extremely simple, as no adjustment is required. In fact, all systems are equipped with automatic pressure regulation. No direct access to the watermaker is required. All functions are carried out remotely via the remote panel.

The Schenker ZEN 50 watermaker does not use high-pressure pumps. The result is extremely quiet operation and a total absence of vibrations.

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 minimized, thanks to the patented solution that eliminates the need for pilot valves.

## **SCHENKER ZEN TECHNICAL SPECIFICATIONS 50**

Power: 240 W  
Power supply: 12 / 24 VDC  
Flow rate: 50 Lt/h  
Membranes: n.2 2.5" x 21"  
Length: 715. 9 mm  
Width: 133 mm  
Height: 390 mm  
Weight: 30 Kg

## **TOUCH PANEL**

Remote start/stop  
Timer  
Automatic rinse  
Intensive rinse  
Periodic rinse  
Hour counter  
Automatic start-up  
Assisted maintenance  
Salinity monitoring (optional)  
Flow meter (optional)  
Pressure meter (optional)  
Tank level switch control  
Dimensions: 120 x 80 mm

## **The Schenker ZEN 50 Nautical Desalinator Kit contains:**

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

## **Standard functions:**

- Automatic pressure regulation



- 
- High pressure lockout

**Remote control functions:**

- Remote start/stop
- Desalter flow
- Timed operation

Discover all our [nautical watermakers by clicking here](#)

Pictures and technical data of SCHENKER ZEN 50 are not binding.

**Product features:**

Power (W): 240  
Length (mm): 715.9  
Width (mm): 130  
Height (mm): 390  
Feed Type: 12 / 24 VDC  
Production for hour at 25°C (Lt/h): 50  
Daily production at 25°C (Lt/day): 1200  
Membranes: n.2 2.5" x 21"  
Remote panel: Digital  
Product type: Watermaker  
Weight (Kg): 30

