

SCHENKER SMART 100 BASIC - WATERMAKER 100LT/H



Reference:

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SCHENKER SMART 100 BASIC monoblock watermaker with a power consumption of 400W capable of a maximum flow rate of 100lt/h equipped with 1 osmotic membrane.

Economic and lightweight, it is the ideal solution for those who prefer simple and essential systems. The power consumption is lower than traditional systems, up to 80%. For example, to produce 100 liters/hour of fresh water only 400 W are needed. The normal recharge of the engine is therefore largely sufficient to replenish the energy consumed, without the need for the generator.

Thanks to the very low power consumption, the watermaker can be powered directly from the batteries. It is possible to install the SCHENKER SMART 100 BASIC even without a generator set.

The use of the SCHENKER SMART 100 BASIC watermaker is extremely simple, as no adjustment is necessary. In fact, all systems are equipped with automatic pressure regulation. No direct access to the watermaker is required. All functions are performed remotely via the remote panel. SCHENKER watermaker do not use high-pressure pumps. As a result, the watermaker is extremely quiet and vibration-free.

The parts of the watermaker that are in contact with the sea water are mostly made of carbon fiber or acetal resin. The SCHENKER SMART 100 BASIC is therefore totally corrosion-free. In the 2.0 systems, all components that are potentially subject to wear, such as o-rings and conventional hydraulic seals, have been eliminated. The sealing and sliding elements are made of innovative pads manufactured with nano-technologies. These materials exhibit an abrasion resistance up to 15 times higher than steel.

SCHENKER SMART 100 BASIC systems use the new, patented ERS device as an alternative to the high-pressure pumps of conventional systems. This device amplifies the pressure provided by low-pressure pumps, enabling extremely high energy efficiency. The typical power consumption of a SCHENKER watermaker is only 4 W/liter.

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

Kit contents:

- Watermaker with Energy Recovery System
- Feed pump with seawater filter
- Activated carbon filter with solenoid valve
- Mains filter with seawater inlet
- Filter wrench
- Check valve
- Freshwater 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

TECHNICAL FEATURES SCHENKER SMART 100 BASIC

Power: 400 W
Power supply: 12 / 24 / 48 VDC o 230 VAC
Flow rate: 100 Lt/h
Membranes: n.1 4" x 40"
Control panel: Basic
Length: 1233 mm
Width: 365 mm
Height: 282 mm
Weight: 48 Kg

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

Technical Sheet

Power (W)	400
Length (mm)	1233
Width (mm)	365
Height (mm)	
Feed Type	
Production for hour at 25°C (Lt/h)	100
Daily production at 25°C (Lt/day)	2400
Membranes	n.1 4" x 40"
Remote panel	Basic
Weight (Kg)	48