

SCHENKER MODULAR 500 DIGITAL INVERTER - WATERMAKER 500LT/H



Reference:

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The SCHENKER MODULAR 500 DIGITAL INVERTER is a marine watermaker equipped with four 4" x 40" membranes, capable of producing up to 500 l/h of fresh water.

The indicated flow rates are nominal and may vary by $\pm 20\%$ depending on actual operating conditions. Thanks to its extremely low power consumption, the watermaker can be powered directly from the batteries and can also be installed without a generator.

With an 80% reduction in energy consumption and no need for a generator, CO₂ emissions required for water production are reduced by over 85%. Only the SCHENKER MODULAR 500 DIGITAL INVERTER allows you to produce fresh water while truly respecting the environment.

In the new 2.0 systems, all components potentially subject to wear such as o-rings and traditional seals have been eliminated. Sealing and sliding elements are made with innovative pads using nanotechnology, offering an abrasion resistance up to 15 times higher than steel.

Unlike traditional systems that use high-pressure pumps, the SCHENKER MODULAR 500 DIGITAL INVERTER is equipped with the patented ENERGY RECOVERY SYSTEM[®] (ERS), which boosts the pressure supplied by low-pressure pumps, ensuring extremely high energy efficiency. Typical power consumption is only **4 Watt/liter**.

The ERS is specifically designed for marine applications and built with materials completely resistant to brackish water. Moving parts are reduced 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
- Seawater intake strainer
- Filter wrench
- Non-return valve
- Freshwater production hose (10 m)
- Electrical box
- Remote control panel
- Extension cable for control panel (10 m)
- Installation kit (screws and fittings)
- User and installation manual

Standard functions:

- Automatic pressure regulation

- High-pressure shutdown
- Low-pressure shutdown
- Low voltage shutdown

Remote control functions:

- Remote Start/Stop
- Timer
- Automatic flushing
- Intensive flushing
- Periodic flushing
- Automatic start-up
- Hour counter
- Maintenance assistance
- Raymarine compatible

Technical specifications SCHENKER MODULAR 500 DIGITAL INVERTER

Phase type: Three-phase
Power: 3500 W
Power supply: 230 or 380 VAC
Capacity: 500 l/h
Membranes: 4 x 4" x 40"
Control panel: Digital
Length: 1281 mm
Width: 645 mm
Height: 545 mm
Weight: 180 Kg

Looking for a marine watermaker similar to the SCHENKER MODULAR 500 DIGITAL INVERTER but with different features? [CLICK HERE](#) to discover our full range.

Technical Sheet

Power (W)	3500
Length (mm)	1281
Width (mm)	645
Height (mm)	545
Feed Type	230 or 380 VAC
Production for hour at 25°C (Lt/h)	
Daily production at 25°C (Lt/day)	
Membranes	
Remote panel	Digital
Weight (Kg)	180