

KATADYN POWERSURVIVOR 160E* - Katadyn's top performing desalinator

PRODUCT CHARACTERISTICS

Technology:	Reverse osmosis
Salt Rejection:	98.4% on average (96% minimum. <i>The desalination degree depends on different influence factors such as pressure, throughput and the quality of water</i>)
Flow:	Approx. 25.4 l/h +/-15%
Weight:	16.8 kg
Dimensions:	44.5 x 34.3 x 15.7 cm (Pump) 64 L x 8,9 D (Membranehousing)
Current:	12 Volt DC / 18 amp 24 Volt DC / 12 amp
Guarantee:	3 years
Material:	Stainless steel, plastics. Membrane approved by the US FDA (Food and Drug Administration)
Article No.:	8013421 (12 Volt) 8013422 (24 Volt)

* Earlier PUR PowerSurvivor



FACTS

- Device for greatest convenience with unbeatable advantages (see benefits)
- Thanks to its high performance of almost 26 litres/hour, the 160E is also suitable for large boats and charters
- Compact and highly durable product which has been put to the test by, e.g., ocean sailors
- Available as 12V or 24V unit
- Makes boat owners independent of water stations on the coast
- Covers entire daily water requirement (drinking, showering, cleaning etc) of 12 people. By the way: contrary to popular opinion, the water requirement is much less on board than on land

PRODUCT CHARACTERISTICS > BENEFITS

- 25.4 litres of water per hour > brings comfort on board and covers the entire daily water requirement of 12 people
- High energy efficiency > low current consumption
- Not an oversized large system > fewer water standstill times, lower risk of germs reforming + higher useful life of membrane than with large systems
- High running smoothness > does not disturb the idyll of being at sea
- Supply of drinking water independent of location > saves water reserves and costs with a better water quality
- Very user-friendly design > simple to install, operate and maintain
- Does not require additional pump and no reverse cleaning systems
- Tough design > 3-year guarantee

SHORT PROFILE

A desalinator which covers all water requirements on board in an elegant and intelligent way. Ideal for up to 12 people or larger boats and yachts.

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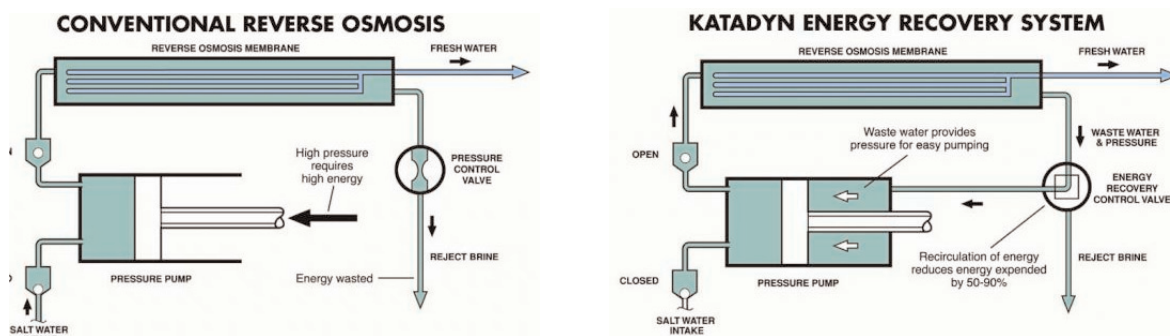
REVERSE OSMOSIS

To remove dissolved salts from seawater with reverse osmosis, part of the salt water is filtered through a semipermeable membrane. Only 10% of the water passes through the membrane. The remaining 90% flow past the membrane and at the same time cleans the membrane (self-cleaning effect). The small size of the "membrane pores" ensures extremely pure drinking water, but extremely high pressures must be generated - normally 55 bar.

Reverse osmosis is used worldwide to obtain drinking water, e.g. in the semi-conductor industry and in medicine.

KATADYN'S PATENTED ENERGY RECOVERY SYSTEM

The Katadyn Energy Recovery system takes advantage of stored energy in the high pressure reject water that is typically wasted. The pressurized reject water is recirculated to the back side of the piston to aid the next stroke. This energy is kept in the system, resulting in less work to achieve fresh water.



CONDITIONS OF OPERATION

Battery with at least 60Ah/12 V. The PowerSurvivor can be connected to existing sea valves. Appropriate adapters are supplied.

OPTIONS FOR POWERSURVIVOR

Silt Reduction Kit

For waters with high levels of suspended matter, e.g. in shallow anchorage, we would recommend you use an additional pre-filter. This additional filter is finer (5 microns - 1 micron = 0.001 mm) than the standard filter (30 microns) and is placed after it. A booster water pump (12V/0.8 A/h) is also provided. This pump compensates for the loss through the second filter and increases water production. We would also recommend the prefilter kit when the PowerSurvivor is not installed under the water line and when it is in constant use to increase the intervals between servicing.

Silt Reduction Kit



Preventative Maintenance Kit



Extended Cruise Kit



Katadyn reserve the right to modify products

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