

**KATADYN POWERSURVIVOR 80E\*** - One of the most efficient electric desalinators

**PRODUCT CHARACTERISTICS**

- Technology: Reverse osmosis  
 Salt Rejection: 98.4% on average (96% minimum).  
*The rate depends on different influence factors such as pressure, throughput or the quality of water)*  
 Flow: Approx. 12.9 l/h +/- 15 %  
 Weight: 22.2 kg (enclosed version) or 15.4 kg (modular version)  
 Dimensions: 24.1 x 43.2 x 52.7 cm (enclosed version) or 15.7 x 34.3 x 44.5 cm (modular version)  
 Current: 12 Volt DC / 8 amp  
 24 Volt DC / 5 amp  
 Guarantee: 3 years  
 Material: Stainless steel, plastics.  
 Membrane approved by the FDA (Food and Drug Administration)  
 Article No.: 8013443 PS 80E enclosed (12 V)  
 8013441 PS 80E modular (12 V)  
 \* Earlier PUR Power Survivor



**FACTS**

- Device for greatest convenience with unbeatable advantages (see Benefits)
- Compact and highly durable product which has been put to the test by, e.g., ocean sailors
- Available as 12V or 24V unit
- Pump and membrane are separate in the modular version. Makes installation easier
- Makes boat owners independent of water stations on the coast
- Covers entire daily water requirement (drinking, showering, cleaning etc) of 6 people. By the way: contrary to popular opinion, the water requirement is much less on board than on land

**PRODUCT CHARACTERISTICS > BENEFITS**

- Minimum and compact dimensions > does not waste a cm<sup>2</sup> of space, can be put anywhere
- 12.9 litres of water per hour > brings comfort on board and covers the entire daily water requirement of 6 people
- 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
- Available as a covered version > even higher running smoothness and more attractive
- Tough design > 3-year guarantee

**SHORT PROFILE**

A desalinator which covers all water requirements on board in an elegant and intelligent way. Ideal for 1 to 6 people or (sailing) boats up to 13 metres.

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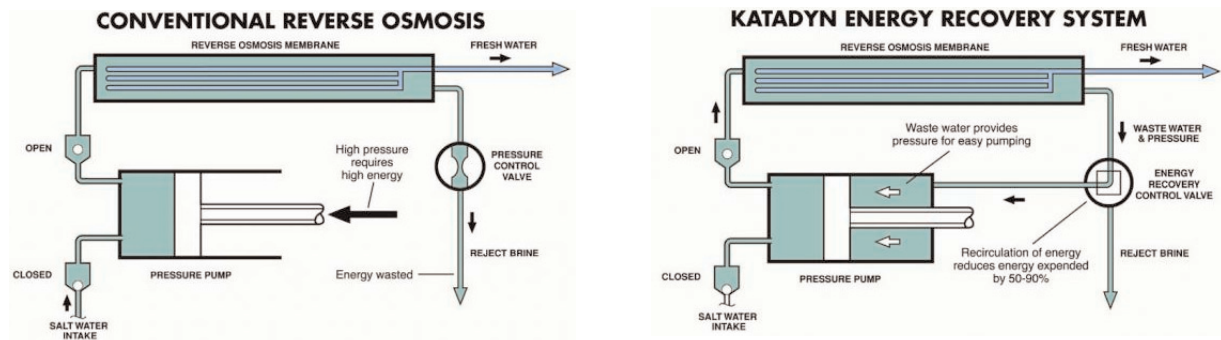
**REVERSE OSMOSIS**

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 Power Survivor 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 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 reserves the right to modify products

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