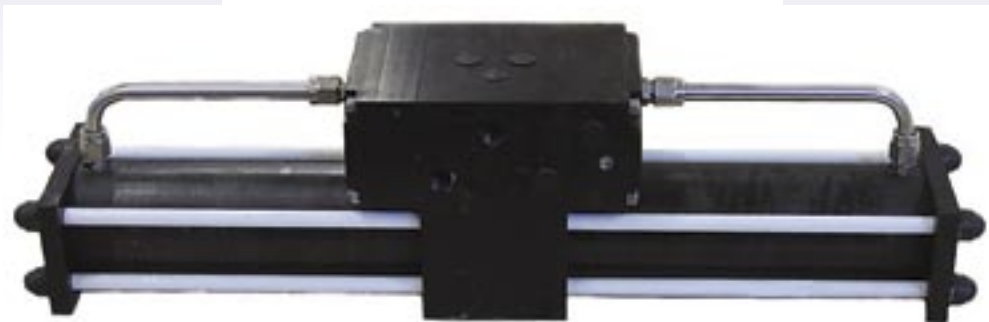




FRESHWATER MAKER





New design from ENWA

A small and handy water maker for desalination of sea water.
Designed for all types of vessels which have battery power available. (12 or 24 V)

The equipment has 5 modules:

Modules:

Membrane package	Dim L 120 x W 12 x H 12 cm
High pressure pump	Dim L 63 x W 18 x H 15 cm
Control box	Dim L 28 x W 28 x H 14 cm
Filter module	Dim L 30 x W 12 x H 40 cm
Low pressure pump	Dim L 42 x W 15 x H 22 cm



Data:

Production	approx: 60 Litres/h drinking water at 25° C feed water temp
Raw water intake	500 Litres/h
Recovery	10-15%
Powerconsumption	1,2 A at 220 VAC 3-phase 22 A at 12 VDC 11 A at 24 VDC

Features:

- Automatic fresh water through carbon cartridge filter
- Automatic flush over membranes at long time stop.(Auto-store)
- Particle filter with manometer
- Low pressure pump
- Clark energy recovery pump
- Pressure vessel including membrane for the osmotic process
- Mechanical safety valve on the high pressure side
- Connections for cleaning equipment
- Stainless steel AISI 316 in sea wetted parts
- Electrical control system
- All electrical connections at IP 54
- Salinity control meter
- Flow meter
- Low pressure guard

Options:

- Conductivity meter with automatic control of water quality
- Washing valves - for easy washing of membranes

Options

Conductivity meter with automatic control of the water to waste or to the water tank. This is for you who want to have a system which you do not need to worry about. The system measures the conductivity continuously on the outgoing product. If the product water has a higher conductivity than 1000 micro Si/cm, the product goes to waste. If the conductivity is less then the product goes to the water tank.

Manual adjusted valves for wash of the membrane. This makes the wash procedure an easy task. Only to switch the valves and then wash the membranes.

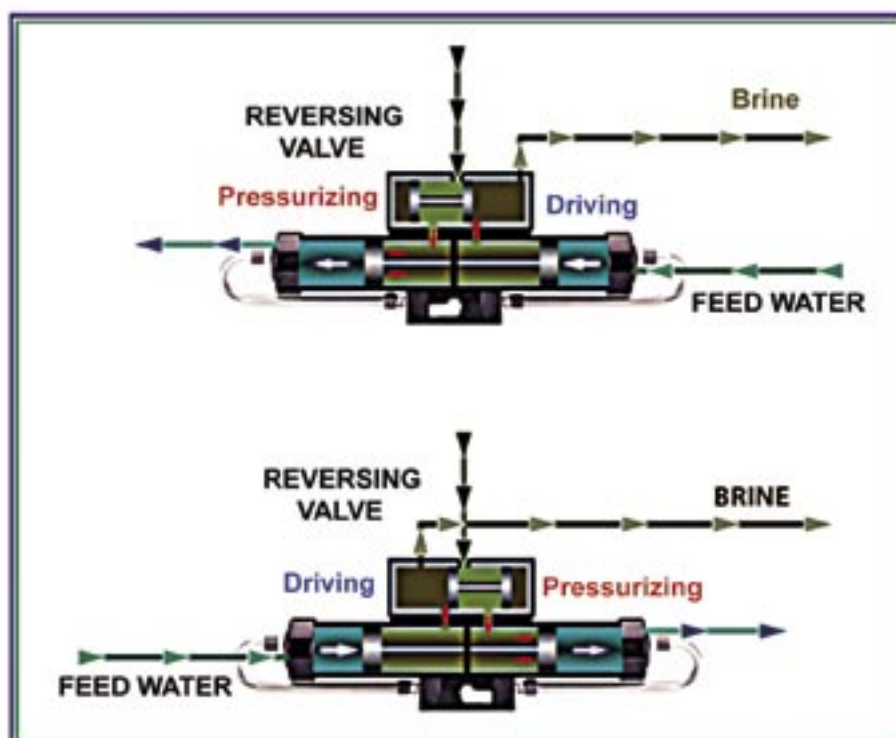
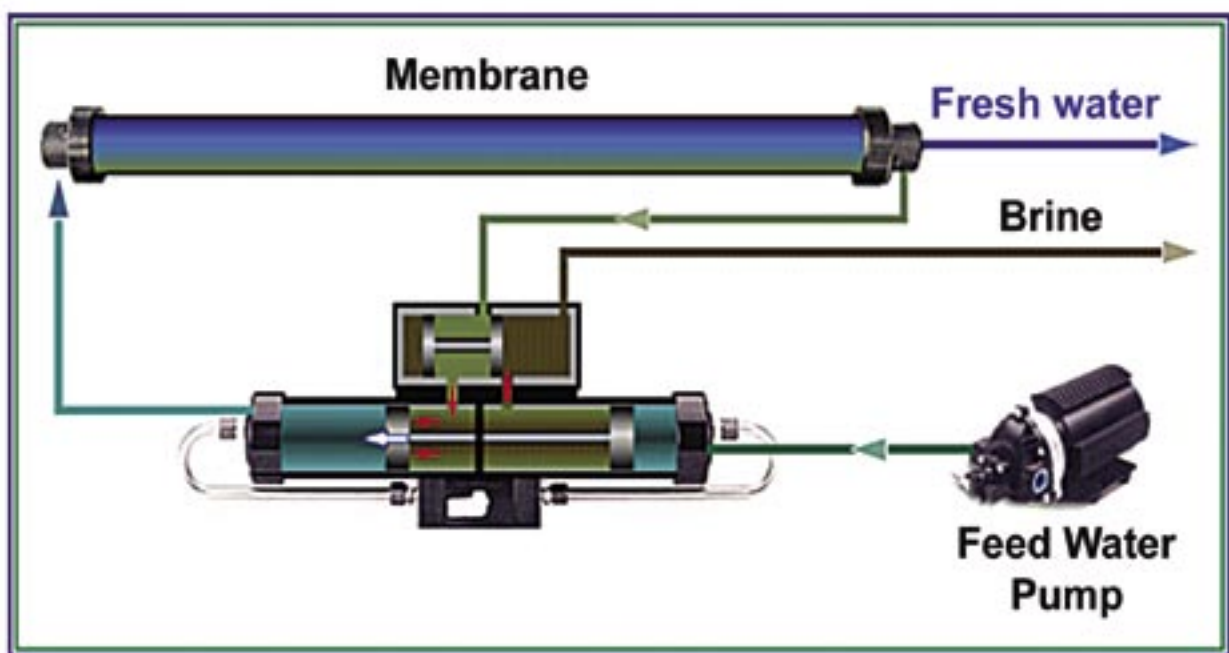
ENWA freshwater maker MT 1500 LOW ENERGY is designed with an intelligent energy recovery system which makes it possible to produce up to 60 l/h. The unit consumes at 12 Volts supply voltage, 22 Ampere. Meaning 2,4 Ampere per liter.

Using the new ENWA Energy Recovery Technology developed a module which is ultra quiet and produces 60 l/h at only 370W power installed. This can be compared to a traditional system which requires 1500W at a compatible flow.

Leaving the yacht for a while

Just press the Auto-Store button and the controller will do an automatic flush every 5 day. No more worries about messy storage of chemicals and when you return to your boat your system is ready to start up and go. The membranes are kept clean without chemicals.

Double Action Energy Recovery System System





Overview - MT1500LE



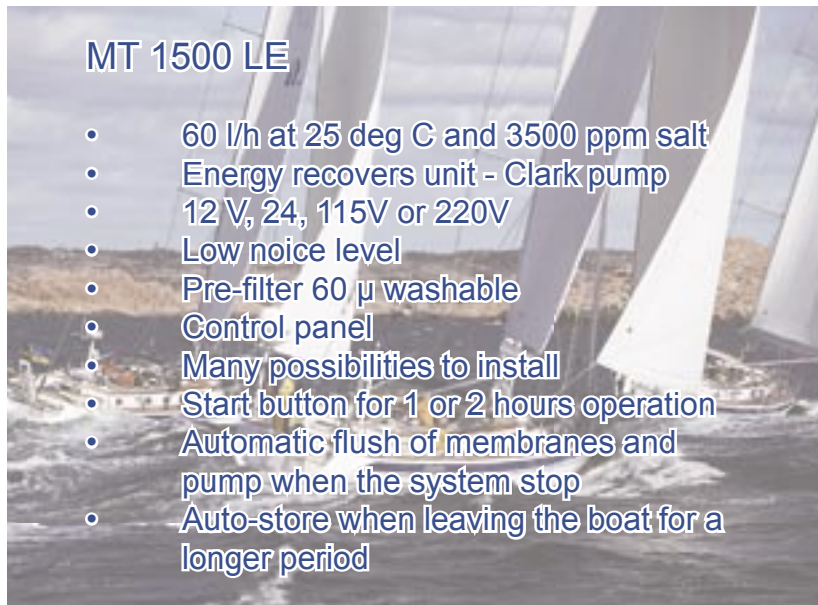
Energy recovery module



Control box



Feedpump and motor



Conductivity meter



Pressure accumulator



Pressure vessel module



Pre-filter module



Valve module