

Description

The ExoMare product line is a series of freshwater production units powered by wave energy.

The ExoMare modular product design features mechanical wave energy converters and a reverse osmosis desalination unit.

Installed on the seabed near shore, the wave energy converters supply a steady flow of pressurized seawater to the desalination unit located onshore. ExoMare is a 100% off-grid and fully integrated freshwater system and features nominal production rates between 4 - 20m³/day of quality freshwater.

Designed for easy installation from shore, the ExoMare is ideal for production of water for a wide range of applications, e.g. drinking water, process water or irrigation. The ExoMare product suite also offers a wide range of options including remote monitoring.



Specifications

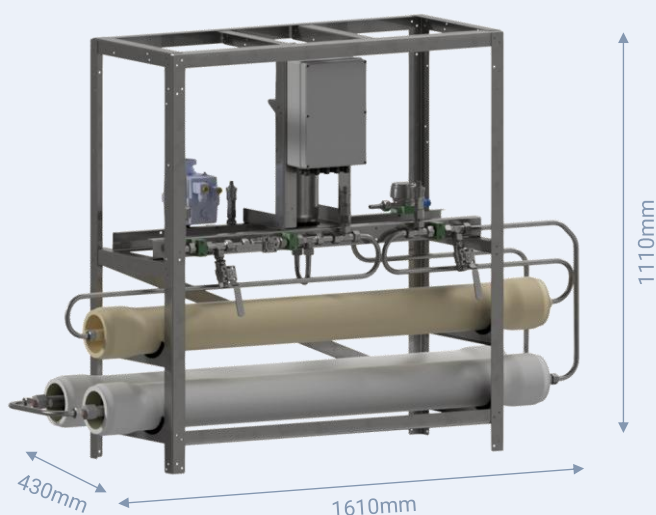
Product	ExoMare-04
Capacity, nominal	4.0 m ³ /day freshwater
Water quality parameters	Sodium < 200mg/L
Max. distance WEC – RO	50m
Compliance	EU CE declaration, ISO 13205

Component	ExoMare-04
Wave Energy converter	WEC-1600
– Quantity	1 unit
– Weight	200kg
Reverse osmosis unit	DeSal-04
– Quantity	1 unit
– Membrane vessel type	Fiberglass Reinforced Plastics (FRP)
– Membrane size	4040
– Quantity membranes	2 units
– Pre-filter	5 micron, 95%
– Weight	120kg
– Protection Class	IP65



Description

Designed for manual handling and installation from shore, the assembly and installation of the wave energy converter and reverse osmosis is easy.



Reverse Osmosis unit



Wave Energy Converter

Performance curve

Offering a state-of-the-art capacity factor of 90%, the ExoMare freshwater unit is a reliable source of water 24/7, designed for optimal performance in coastal areas.

