

December 2018, STIV Marine Division Ltd.

Made in Bulgaria – Marine ro Watermakers

STIV Marine Division Ltd. was established in the middle of 2016 as a part of STIV Engineering Ltd. It's main purpose is the design and production of marine equipment

A series of sea watermakers with flowrate of 1~9 m³/per day working on reverse osmosis method has been developed and tested for two years. After all successful tests, two major groups of sea watermakers were designed - „Sea Turtle” for the needs of fishing vessels and merchant ships with a crew of 10-15 people and „Sea Horse” for the needs of small sailing yachts and motor yachts. The main purpose of this equipment is to produce fresh and technical water as a main or auxiliary equipment for motor vessels.

Special attention is paid to the materials used for the construction, mainly of high-grade stainless steel. All components (pumps, fittings, valves, etc.) are manufactured by leading European, American and Japanese designers and its main controller and operational logic is developed and manufactured by STIV Marine Division Ltd.



Taking into consideration that the reverse osmosis units do not require additional heat output (such as standard evaporators), they are flexible solution for water generation of the vessels with low power consumption.

The equipment is distinguished by a compact design that allows the watermakers to be placed outside the engine room, or alternative spaces. At the same time the aggregates have very convenient and quick service. The main watermaker controller provides automatic quality monitoring and managing the outlet discharge (overboard or water tank). All of our watermakers are equipped with several levels of protection. A remarkable triple protection system is provided against overpressure. Another important feature is the manual override of the equipment, provided as a standard level of equipment in all of our products. This allows the unit to operate in various emergency situations, increasing the survivability of the vessel.

The Sea Turtle (6-9 m³/day) watermaker was successfully installed on the PATRA 3 ship, successfully securing water needs for the crew with reliable and faultless work.

Given the rising cost of fresh water for drinking and technical needs, the team of STIV Marine Division Ltd. has succeeded in creating a high-tech and efficient product that solves this problem and the economic return of the unit is up to two years.

(Information and photos: www.stiv-marine.eu)