



DESMI TRI TURTLE MKI

Floating - Mechanical - Sand-Free - Sargassum Removal System

PROVEN TECHNOLOGY

How to prevent sargassum from reaching the Beach?

A containment floating barrier cannot prevent sargassum from reaching the beach if it is not REMOVED from the water.

To date, only two alternatives have been developed to do so: sargassum workboats and DESMI SEA TURTLE systems. However, boats have several limitations and logistical complications in this task, mainly due to the limited storage space on board.

Based on the success of the DESMI SEA TURTLE and 2 years of testing with the TRI-TURTLE, DESMI developed the new TRI-TURTLE MKI as an improved and powerful tool for removing live, fresh, sand-free sargassum from the water directly into trucks or containers, without the complications of storage and logistics. Now made of 100% stainless steel, large inflatable wheels for sand and lower energy consumption.

Key Advantages:

- Higher removal rate than previous devices
- Lower Weight
- It's not a vacuum pump!
- Works in very shallow water and waves up to 6 ft
- No operators required on the water
- Continuous work without storage limitation
- Operated by remote control
- Made of stainless steel
- Lower power consumption
- Wider wheels for use on sand



*Floating booms are not a Sargassum Solution
Unless
The Sargassum is Removed from the Water!*



- Principle of Operation -

The DESMI TRI-TURTLE MKI is a lightweight, floating unit fitted with wheels for movement on sand. Designed with a Vortex weir that attracts sargassum to a powerful screw pump transfer system, it is capable of removing sargassum from the water without damaging it. At a rate of more than 30 m³/hour - 1060 ft³/hour and a distance more than 240m - 780ft, It is the most powerful/capable means of avoiding/eliminating compaction of the sand by heavy equipment.

It can remove sargassum from any containment or buildup areas before it reaches the beaches, so that the sargassum removal is sand-free. It can work in shallow water and in bad weather conditions.

The DESMI TRI-TURTLE can operate for very long periods of time (+14hours/day), with no storage limitations.

It has no conveyor belt and does not require operators in the water, and it complies with European safety regulations.



Now, only ONE Power Pack can run Two DESMI TRI-TURTLE MKI removers at the same time!

DESMI Power Packs allow the remover to be operated manually or via a wireless remote control.

They are manufactured in two versions: an electric, quiet, low-maintenance version; and with a diesel motor for easier mobility, both with speed control and reverse option.



Technical Specifications

- Construction: Stainless – Steel AISI 316
- Operational Draft: 70 cm
- Capacity: 20 – 30 m³/hour
- Basic physical properties:
 - Length: 280 cm
 - Width : 290 cm
 - Height : 140 cm
 - Weight: 290 kg



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