DESMI SEA TURTLE MKII

PROVEN SEAWEED CONTROL TECHNOLOGY
DESMI SEA TURTLE MKII – Eco-Friendly Sargassum Removal

DESMI SEA TURTLE MKII – An Eco-Friendly Sargazo on water Free-of-Sand Removal System.
An effective, eco-friendly and economic way to remove sargassum from water before it takes contact with sand and damage the beaches.

It is very well know that sargassum can’t be just contained with barriers, if not diverted, sargassum must be removed from water.

The DESMI SEA TURTLE MKII is the result of years of investigation and a number of different tests in a variety of scenarios. The unit is able to remove sargazo even in shallow water and bad weather conditions and transport it far from the beach using 15cm/6” or 20cm/8” buried PVC pipes or rigid hoses. The concept reduce the need of trucks, tractors and people removing sargassum from the beach.

Compared with other removal alternatives, like workboats or manual retrieval, the system requires only one or two operators, has not a limitation on board about the amount of recovered sargassum neither with the number of operation hours, and avoids the use of bags or sargassum transshipment.

The DESMI Sea Turtle MKII is hydraulically driven, controlled via a Radio Remote Control supplied with the DESMI electric or diesel power pack. The Remote Control is equipped with an emergency stop button.

Advantages of the DESMI SEA TURTLE MKII

• Sargassum free-of-sand removal
• Very low operational and maintenance cost compared with sargassum removal workboats
• No license, no crew required
• Able to perform in shallow water and bad weather conditions
• Requires only one or two operators
• Low energy consuption
• Able to manage most of the floating plastic trash encountered with the sargassum arriving to the beach
• Safe for operators, swimmers and sea species.
• Working with the DESMI MESH BOOM in a pocket configuration increase the sargassum removal rate

Technical Data

• Aluminum marine grade 5 frame construction
• Stainless steel AISI 316 Mesh belt & Transfer system
• Fitted with Aluminum ASTM Slide connectors for installing the DESMI MESH BOOM
• Sargassum removal capacity 20-30 m³/h / 12-17 ft³/min
• Hydraulic outlets Tema Flat Face AISI 316 •Discharge connection 6” camlock quick release connector
• Transfer length up to 200m/600ft at 3m header
• Dimensions approx. 242 x 173 x 120 mm / 8 x 5.7 x 4 ft
• Weight: 350 kg / 770 pounds
• Fitted with sand wheels for easy handling and removal from the water

The unit has not mobile exposed parts, nor electrical component in contact with the water, making it safe for opera- tors, swimmers and sea species.

The unit is shaped like a catamaran for stable flotation. It is equipment with an efficient stainless steel mesh belt ensuring that the Sargassum is transported directly into the hopper where a sturdy slurry pump is mounted. All hydraulic connections are in stainless steel.

Very low operational and maintenance cost compared with sargassum removal workboats - No license, no crew required!

The DESMI Sea Turtle MKII is equipped with two solid wheels for easy handling, 4 handles for lifting and transport and 4 anchoring rings at each extremity of the unit.

For more information on our systems and solutions, please visit www.desmi.com