



Sweep - Series

THE OCEAN FRIENDLY TRASH REMOVER

PROVEN TECHNOLOGY

DESMI

Sweep - Series - The Ocean friendly trash remover

Combating Marine Pollution with the Sweep - series will result in a much cleaner shoreline and reduce the plastic in the water significantly. The concept is well proven within the Oil Spill Combat industry when recovering heavy fractions of oil/tar balls.

Experience has shown that it is important to have puncture resistant guide booms creating the opening of the system. DESMI is using two sizes: Ro-Boom 650 and Ro-Boom 1000 as guide booms. The guide boom 650 is 2 sections, each with 3 air chambers. The guide boom 1000 is 2 sections, each with 5 air chambers. The actual collection part of the Sweep series consists of an entrance net connected to the two guide booms. The entrance net is again connected to one or more trawl bags recovering the floating debris.

The other end of the guide booms has tow bar and towing rope connected to one or two towing boats. If towing with two boats, it is important to ensure good and constant communication between the boats. With one boat operation there are two possibilities:

1. Having the boat equipped with a Jib with a length of typically 5 - 8 meters giving a corresponding opening of the Sweep
2. Using a Ro-Kite which will allow an opening of up to 20 meters - will normally require a boat minimum 12 - 15 meters in length with keel and some 150 hp



Advantages for Sweep Series:

- Streamlined design
- High quality
- Long lasting durability
- Easy to assemble
- Easy to operate
- High collection capacity

SW - M includes as standard:

- 2 x 10 meter Ro-Boom 650
- 1 x entrance net
- 2 x 2.5 m³ trawl bags
- 1 x Tow set including 2 tow bars, 2 bridles, 2 towing ropes, 2 x boys and shackles
- 1 x Petrol driven air blower with air hose and probes

The trawl bags used can be delivered in 2.5 - 5.0 - 10.0 and 15.0 m³ sizes. The difference in size comes from difference in length. Diameter is the same for all bags. It is recommended that the total recovery capacity is not exceeding 30 m³ when the operation starts.

The two versions of trawl systems are called SW - M or SW - L for guide booms 650 and 1000 respectively. We recommend SW - M for light applications and hence, is a light investment. We recommend SW - L for heavy applications like open sea or fast moving waters.

SW - L includes as standard:

- 2 x 16 meter Ro-Boom 1000
- 1 x Entrance net
- 2 x 5 m³ trawl bags
- 1 x Tow set including 2 tow bars, 2 bridles, 2 towing ropes, 2 x boys and shackles
- 1 x Petrol driven air blower with air hose and probes

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

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