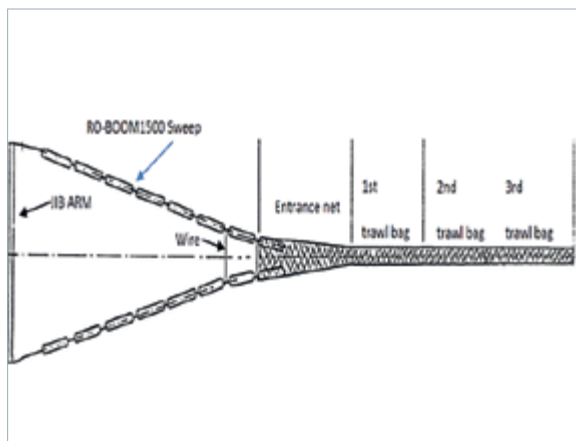


OIL TRAWL NET

RO-TRAWL 1500 (DESMI)



GENERAL DESCRIPTION

The Ro-Trawl 1500 system is a sweeping unit to be used in recovery of heavy oil, tar lumps and other kinds of debris from the sea. It is prepared for use under a wide range of sea conditions, from calm in-harbour conditions up to waves of 2–3m in the open sea.

MAIN COMPONENTS

The oil trawl net is composed of the following main components:

- 2 x 25m Ro-boom 1500 guide boom with reel and tow set – Single Vessel System
- 1x Desmi Ro-Kite 1500
- 1x Scantrawl with entrance net and two trawl bags with a displacement of each 2.5m³
- 1x 57kw Power pack with airblower, ZONE 2, ATEX approved
- 1x DESMI Control stand for power pack
- 1x Set of spare parts and hoses

KEY CHARACTERISTICS

The Ro-Trawl 1500 system is fitted with Ro-Boom 1500 oil boom as an entrance guide boom, to which the trawl system is fitted. The 2 x 25m boom is wound on the reel double and at the outer end of the boom are fitted the trawl nets and bags. A trawl bag with 5m³ capacity is required; however, the capacity is divided in 2 x 2.5m³ trawl bags for gaining an easy and suitable handling with limited power. More than two trawl bags can actually be mounted to the entrance net for long term trawling. The key characteristics of the system are:

- Single vessel operation by use of a boom kite (Ro-kite 1500)
- Enhanced manoeuvrability due to single vessel operation
- Suitable to collect oil and debris from the surface of the water down to a depth of 1m
- Sweeping speeds of up to 3 knots
- Certified to operate in Hazardous Area Zone II in accordance with the ATEX Directive (ATEX 94/9/EC) or similar
- Suitable for any type of oil without any adjustments

TECHNICAL SPECIFICATIONS

SYSTEM LENGTH	60.58 M
SWEEP OPENING	20 M
FREEBOARD	0.52 M (GUIDE BOOMS & RO-VANE)
DRAUGHT	GUIDE BOOMS 0.72 M, TRAWL BAG 1 M, RO-VANE 2.2 M
SWEEPING SPEED	UP TO 3 KNOTS
WEIGHT	7.2 T/20 FT CONTAINER



STORAGE & TRANSPORT

The Ro-Trawl 1500 system is fully containerised and is stored in one 20 ft ISO container, together with all required ancillaries for an autonomous operation.

The container has double cargo doors in one end and double cargo doors on one side, being supplied in highly visible orange, RAL 2008. The container is furnished with twist locks for securing reels and power packs.



OPERATION

The Ro-Trawl 1500 system is designed for rapid deployment and recovery directly from the 20 ft container in which it is delivered, by using a crew of three, as follows:

- Single Vessel System
- One crew member controlling the hydraulic power pack, the speed of the boom reel, and keeping contact with the ship captain
- Two crew members guiding the sweeping wings, scantrawl or trawl bags along the key roll during recovery
- The Ro-trawl system can be rapidly deployed by trained personnel in approximately 30 minutes. Retrieval time will approximately take 1 hour.
- Launched and recovered from boom reels with a 10" footprint, there must be a clear deck space of 3-4 m between the winder and the gunwale. There must also be an open gunwale or ramp over the gunwale in order to deploy the system. A fairlead must be placed on the gunwale for easy deployment and retrieval of the system.