

## Delivered Fully Assembled or Easy Assembly at Site

Depending on requirement from the customer, the RO-KITE will be delivered fully assembled in a box or containerized



Box for delivery assembled Ro-Kite 2000  
2.40 x 2.40 x 0.40 m / 95 x 95 x 16 in



Containerized Ro-Kite 2000 with a Ultimate Speed-Sweep system

Disassembled in principal components when restricted storage space allowing for easy assembly



Box for unassembled Ro-Kite 2000  
2.40 x 0.50 x 0.50 m / 95 x 20 x 20 in



All Parts



Step-by-step assembly



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Please note that we do reserve the right to make changes to content, description, terms, etc. at any time without notice. 14ALLKITEFCA4A34X016



RO-KITE

Proven Oil Spill Technology

MARINE & OFFSHORE INDUSTRY OIL SPILL RESPONSE DEFENCE & FUEL UTILITY

www.desmi.com

DESMI

PROVEN TECHNOLOGY

DESMI

## RO-KITE - Eliminates the need of a second tow vessel

### RO-KITE - The new aquatic device designed to replace the functions of a second boom sweep vessel

The DESMI RO-KITE is a floating water kite based on a combination of trawl door and ram-air parachute principles. When launched, the RO-KITE, powered by the current and in combination with the RO-KITE's unique design makes it swing out and away from the ship towing the outer end of the sweep formation (as seen depicted in the following photo series).

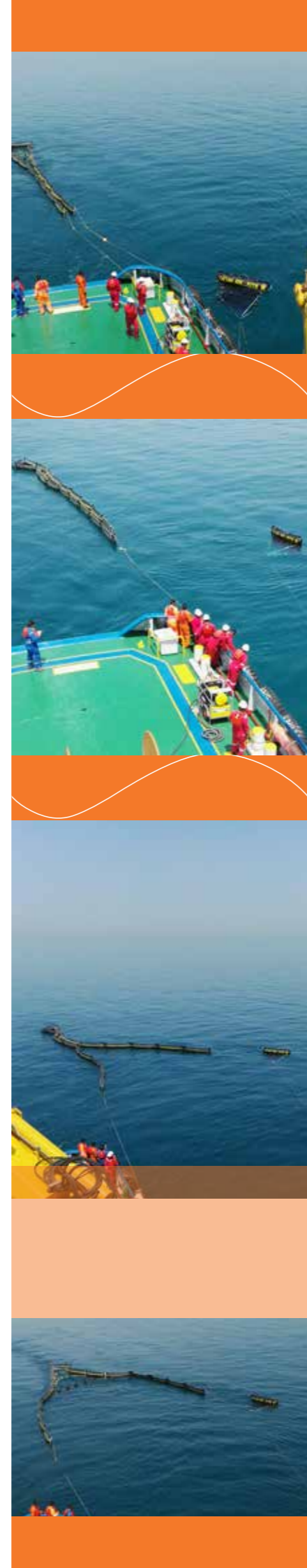
The purpose of this device is to act as a flow powered 'tow vessel' for oil boom systems, where strong currents or high speed are factors during an oil spill recovery. Use of the RO-KITE provides a cost efficient recovery of floating oil as it

obviates the need of an extra towing vessel, a jib arm system or, in fast flowing waters, the need of several anchor points.

The DESMI RO-KITE is manufactured from high quality materials and state of the art technology taken from the world-renowned RO-BOOM oil boom.

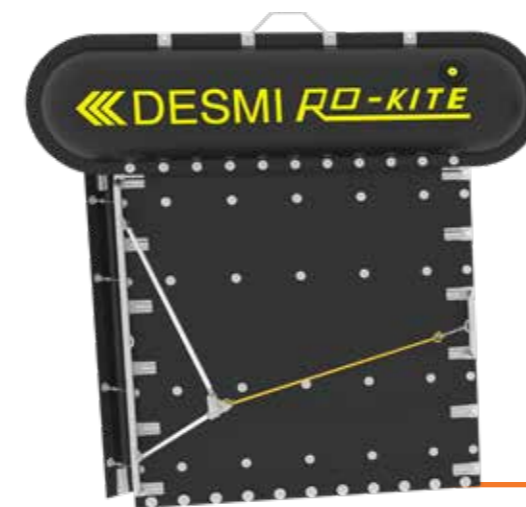
It is very easy to launch over ships side or aft and as a unique feature for the DESMI RO-KITE, it can be deployed from both starboard and port with a minor on-site modification.

The flexible and yet robust materials allows for compact storage and secures a very low risk of damage.

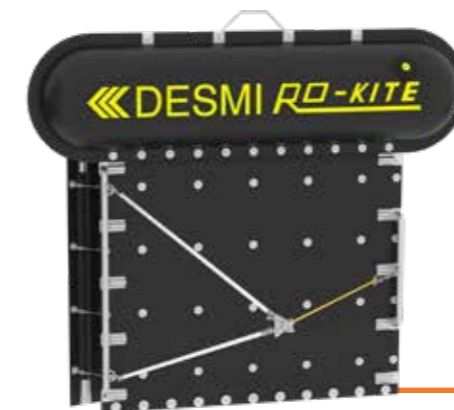


## RO-KITE for Offshore, Calm Water and Protected Water Operations

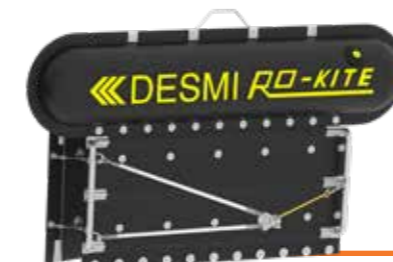
The DESMI RO-KITE is offered in three basic models - the RO-KITE 2000 is designed for the requirements of the DESMI Speed-Sweep 2000/2200 system and any other sweeping systems with similar force requirements or more. The RO-KITE 1500 can be used in combination with DESMI Speed-Sweep 1500 and other similar sweeping arrangements. The RO-KITE Shallow Draft (S.D.) is ideal for many areas of operation requiring small draft sweeps e.g. rivers, and shoreline water environment. These standards divide the product into meeting the requirements for the open water, sheltered water, and shoreline/river water environments.



RO-KITE 2000



RO-KITE 1500



RO-KITE S.D.

DESMI maintain a patent on the RO-KITE design. Several unique features of the design are mentioned here:

- ✓ 'Soft' design that prevents risk of personal injuries by handling
- ✓ Easy dismantling and packing for compact storage
- ✓ Modular design for easy maintenance
- ✓ Robust and non-vulnerable design that allows collision with ship structure - made in synthetic rubber with a CSM (Hypalon) external layer - same as our durable RO-BOOM rubber
- ✓ Hydrodynamic principles that minimize the required dimensions
- ✓ Choice of long term proven materials for oil boom design
- ✓ Can be handled manually on deck and can be arranged to be deployed without use of crane
- ✓ Possible to deploy from Port and Starboard vessel side
- ✓ Simple to deploy
- ✓ Can pull DESMI Speed-Sweep incl. guide booms and DESMI Ro-Skim / DESMI Octopus In-line Skimmer
- ✓ Has a very little sensitivity to wave activity

	RO-KITE 2000	RO-KITE 1500	RO-KITE S.D.
<b>Basic physical dimensions:</b>			
Draught	2.20 m / 87 in	1.80 m / 71 in	1.1 m / 43 in
Freeboard	0.52 m / 20 in	0.52 m / 20 in	0.45 m / 18 in
Operational width	0.45 m / 18 in	0.45 m / 18 in	0.45 m / 18 in
Air chamber length	3.00 m / 118 in	3.00 m / 118 in	3.00 m / 118 in
Tensile strength air chamber	250 N/mm / 1430 lbs/in	250 N/mm / 1430 lbs/in	250 N/mm / 1430 lbs/in
Tensile strength skirt section	315 N/mm / 1800 lbs/in	315 N/mm / 1800 lbs/in	315 N/mm / 1800 lbs/in
<b>Deflated outer dimensions:</b>			
Overall length	3.30 m / 130 in	3.30 m / 130 in	3.30 m / 130 in
Skirt draught	2.20 m / 87 in	1.80 m / 71 in	1.10 m / 43 in
Height	2.30 m / 91 in	2.10 m / 83 in	1.30 m / 51 in
Weight	165 kg / 364 lbs	155 kg / 342 lbs	115 kg / 254 lbs