



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

PROVEN OIL SPILL TECHNOLOGY

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.

Meeting the requirements for the open water, sheltered water, and shoreline/river water environments.

The DESMI RO-KITE is a floating water kite based on a combination of trawl door and ram-air parachute principles. 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. 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. 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.

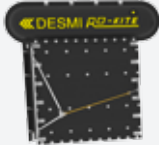
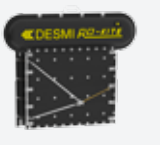
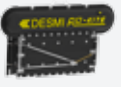
The DESMI RO-KITE is offered in three basic models - the RO-KITE 2000 is designed for the requirements of the DESMI Speed-Sweep 2000/2200 system and any other sweeping systems with similar force requirements or more. The RO-KITE 1500 can be used in combination with DESMI Speed-Sweep 1500 and other similar 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.



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
- Robust and non-vulnerable design that allows collision with ship structure
- 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
- Has a very little sensitivity to wave activity

	 RO-KITE 2000	 RO-KITE 1500	 RO-KITE S.D.
Basic physical dimensions:			
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
Deflated outer dimensions:			
Overall length	3.30 m / 130 in	3.30 m / 130 in	3.30 m / 130 in
Skirt length	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

For more information on Oil Spill Response systems, please visit www.desmi.com

