



DESMI DBD13-4 - Ultra Lightweight High Capacity Skimmer System

PROVEN OIL SPILL TECHNOLOGY

# DESMI DBD13-4 - Ultra Lightweight High Capacity Skimmer System

The DESMI DBD13-4 Ultra High Capacity Skimmer System is lightweight for easy one-man handling and suitable in a wide range of environments including recovering oil in ports, harbors, rivers, and coastal areas. Designed to utilize interchangeable brush and disc recovery banks, the skimmer is capable of recovering a wide range of oils.

As a system, the DESMI DBD13-4 comes with a powerful DESMI diesel hydraulic Power Pack equipped with wheels for easy transport, transfer pump and the necessary hoses and connectors. Certified by Bureau Veritas, the system can recover oil at a rate of up to 24 m<sup>3</sup> per hour.

## Construction, Capability and Operation:

The DESMI DBD13-4 Skimmer Head is made of reinforced fiberglass, which makes it naturally resistant to corrosion. The skimmer is able to resist a load of 100 kg and is equipped with single lifting point to enable safe lifting. Depending on the oil type, viscosity, slick thickness, and temperature the skimmer can recover up to 24 m<sup>3</sup> per hour, with very low water content of between 2-5%.



### Features:

- Modular system arrangement - interchangeable between brush and disc.
- Rapidly deployed, easy to connect.
- High capacity oil recovery for a wide range of spill conditions - Very low water content of between 2-5% (Certified by Lloyd's).
- Lightweight for easy one-man handling

Technical Data Skimmer	
L/W: 27 in / 69 cm H: 14,4 in / 36,5 cm Weight: 31,5 Kg / 69,3 lbs Disc / Brush Diameter: 8,5 in / 22 cm	
Body: G.R.P Fittings: Rigid PVC Buoyancy: Built-in closed cell foam Discs / Brush: P.M.M.A / Nylon Scrapers: P.T.F.E Lifting: 4 Eyebolts	Discs: 20 (4 Banks x 5) Brushes: 4 (4 Banks x 1) Disc Speed: 0-166rpm Drive: 2 x Eccentric Lobe Motors

Capacity
24 m <sup>3</sup> per hour with brush / 16 m <sup>3</sup> with disc.
System components
Skimmer Head (with 20 oleophilic discs and 4 brushes). Diesel Hydraulic Power Pack. Transfer Pump. Hose Kit (Discharge, Suction and Hydraulic. Other Necessary Ancillaries.
Operation
As the DISC or BRUSH banks are rotated through the water, oil adheres to the surfaces, and is then scraped off the collection surface and deposited into the central sump of the skimmer head, then pumped to a recovery tank.
With Other DESMI Equipment
With our selection of major brands of oil containment booms - RO-BOOM, DESMI BOOM, TROILBOOM, CS BOOM - the DESMI DBD13-4 System is designed to be used and be powered with these ranges for operations in ports, harbors, inland and coastal waters - where a quick response is required.
Optional - external floats
L/W with external floats: 38 in / 96 cm x H: 15 in / 40 cm  Weight: 36 kg


For more information on Oil Spill Response systems, please visit [www.desmi.com](http://www.desmi.com)

