DESMI DBD13-4 – Ultra Lightweight High Capacity Skimmer System

PROVEN OIL SPILL TECHNOLOGY
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 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 m³ per hour. The integrated transfer pump has a capacity of 30 m³/h.

**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 four lifting point to enable safe lifting. Depending on the oil type, viscosity, slick thickness, and temperature the skimmer can recover up to 24 m³ per hour, with very low water content of between 2-5%. The Power Pack can be utilized independently as a hydraulic power source or a powerful transfer pump. At a comfortable operation height is placed a panel for the hydraulic maneuvering – hand/electric starting system.

**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**

| Body: G.R.P  |
| 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 m³ per hour with brush / 16 m³ with disc.

**System components**
- Skimmer Head (with 20 oleophilic discs and 4 brushes).

**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