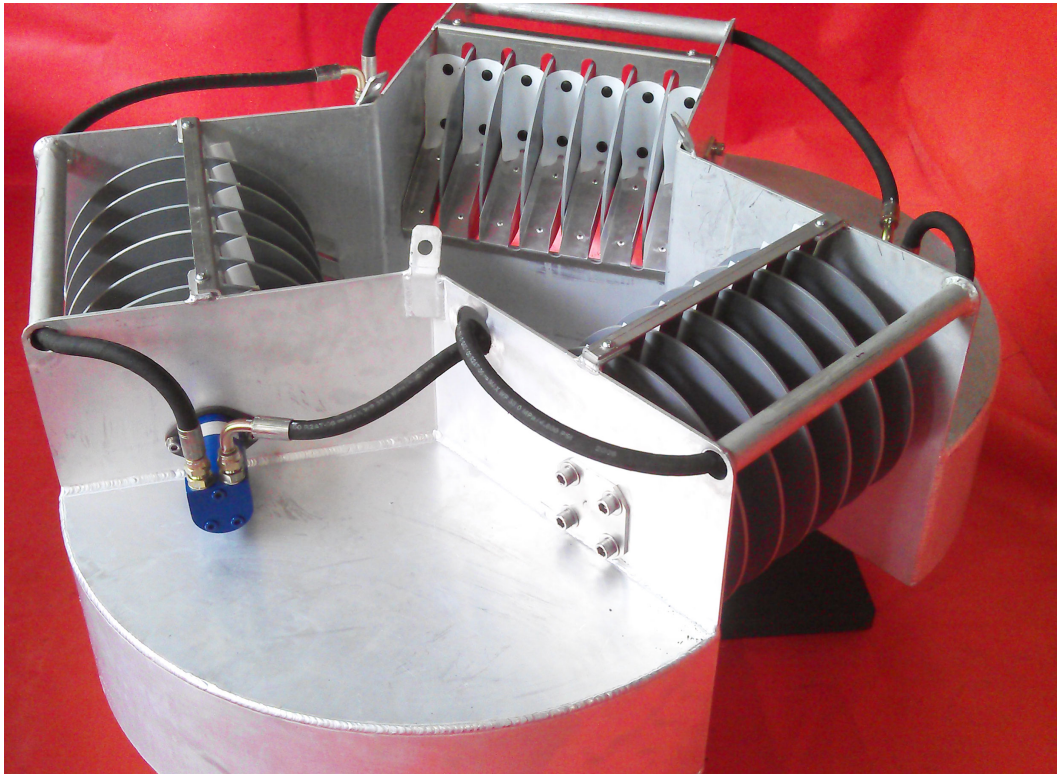


DISC/BRUSH SKIMMER KDB815 – KDB3022 – KDB4050

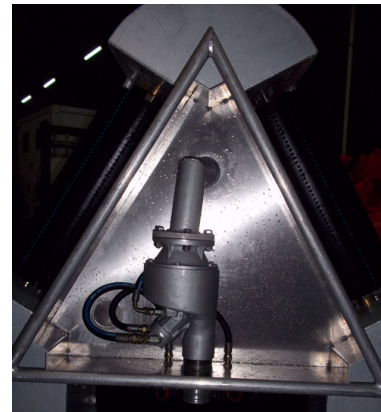


- A complete line of combination disc/brush skimmers, for industry and marine applications.
- Robust design – thick PVC discs combined with a sturdy drum mounted in aluminium body ensure long lasting performance in the most arduous conditions.
- A choice of pumps is available for onboard mounting or alternatively an external pump can be used.
- Multipurpose power packs are available for operation in marine or industrial applications.
- Disc/brush skimmers have high efficiency – up to 99 percent as speed can be varied to optimize efficiency according to conditions.
- The industrial disc skimmer is offered in a choice of sizes and drives to suit the application.

Disc / brush combination skimmers are designed for operation in all types of oil from diesel for fuel oil. In light oils disc are used and for oils with higher viscosity you change to brushes. The quick shift arrangement of the disc / brush bank ensures minimal stoppage time.

The principle of the disc / brush skimmer is that the oil adheres to the surface of the disc / brushes when they rotate through the oil layer water.

It is then scraped off and drained into the sump where it is removed by the pump or by external suction pump.



TECHNICAL SPECIFICATIONS

Description of the system

The system, which is based on the adhesion skimmer principle, is developed for use to recover light to medium high viscous oils in industrial or marine application such as oil pits and ponds. It is designed with important features such as light in weight, high performance and simple maintenance.

Manufactured from modern materials rigid heavy duty PVC disc and Teflon scrapers are utilized for minimal weight and simplicity of replacement and scraping. The scraper assembly is easily removed for blade replacement.

Material of construction

The KDB disc/brush skimmers are designed with floats in between which is placed a disc bank. The basic frame and float is made from seawater resistant aluminium. Behind the disc bank with scrapers is placed a sump tray for collection and pumping away recovered oil. This tray forms at the same time a barrier preventing the oil from escaping between the floats. For marine use external floats are mounted on outrigger arms. This is to ensure stability in waves.

Technical Data	KDB1015	KDB 3022	KDB4050
Design / material	Single Bank Disc and brush	Triangular with outrigger floats. Disc and brush.	Triangular with built in floats. Disc and brush.
Recovery rate or capacity	10 m ³ /h (discs) 15 m ³ /h (Brush)	Up to 30 m ³ /h with brushes	up to 50 m ³ /h with brushes
Discs size and number	Ø295 mm, 15 discs	Ø295 mm, 30 or 45 disc	Ø495 mm, 3 x 10 discs
Brush bank	Ø295 x 600 mm	3 x Ø295 x 800 mm	3 x Ø495 x 600 mm
Built in pump	Yes – rubber impeller	Rubber impeller or helical screw pump	Yes – Helical screw pump 3"
Power pack (minimum other KAJ power packs may be used)	7.4 kW Diesel	14 kW Diesel	14 or 25 kW Diesel power packs
External connection	2" Camlock Quick hydraulic connectors	3" Camlock Quick hydraulic connectors	3" Camlock Quick hydraulic connectors
Accessories	Hose set	Hose set	30 m Hose set
Option		KDB2015 3 x 10 discs	3 x ø495 drum may replace discs

DISC / BRUSH SKIMMERS

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