

DISC/BRUSH SKIMMER KDB2-5, KDB10 AND KDB815



A complete line of combination disc/brush skimmers, for industrial 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 skimmers have high efficiency – up to 99% 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. In light oils discs are used and for oils with higher viscosity you change to brushes. The quick shift feature 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

Technical Data	KDB2-5 industrial	KD - T10	KDB815
Design	Single bank – disc and brush	Single bank Disc only	Single Bank Disc and brush
Recovery rate or capacity	2 m3/h (discs) 3 m3/h (Brush)	Up to 10 m3/h	8 m3/h (discs) 15 m3/h (Brush)
Discs size and number	Ø295 mm, 5 discs	Ø495 mm, 10 discs	
Built in pump	F7B8 rubber impeller pump	Spate 75C diaphragm pump	Yes – F8B8rubber impeller pump
Power pack (minimum other KAJ power packs may be used)	3.4 kW Diesel or electric	4 kW electric or 3.4 kW diesel	7.3 kW Diesel
External connection	1” Camlock hydraulic quick connectors	3” Camlock Quick hydraulic connectors.	2” Camlock Quick hydraulic connectors
Accessories	Hose set	Hose set	Hose set
Option	Ex. proof version. (incl. powerpack)	Ex. proof version. (incl. powerpack)	

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 operation. The scraper assembly is easily removed for blade replacement.

Materials of construction

The KDB disc/brush skimmers are designed with floats in between which is placed a disc bank. The basic frame and floats are made from seawater resistant aluminium. Behind the disc bank and scrapers a sump for collection and pumping away recovered oil is placed. This sump forms at the same time a barrier preventing the oil from escaping between the floats.



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