



# SKIMMERS

OSP EQUIPMENTS



 **Kejuruteraan Asas Jaya Sdn Bhd**

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Authorised Distributor :

*Your long-term partner in oil spill solution!*



## DISC/BRUSH SKIMMER KDB2-5 - KDB4050



- A complete line of combination disc/brush skimmers, for marine and industrial applications.
- Robust design – the thick PVC discs or the sturdy brush drum mounted in the aluminium body ensure long lasting performance in the most arduous conditions.
- A choice of pumps for both light and viscous oil is available for onboard mounting or alternatively an external pump can be used.
- Diesel or electric multipurpose power packs ranging from 3 – 55 kW 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.
- KDB skimmers are made with capacities from 2 – 50 m<sup>3</sup>/h.

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.

## WEIR SKIMMER KWS-40 AND KWS-490



A light weight high capacity weir skimmer with a high performance helical screw pump, equipped with self-adjusting weir lip and 3 detachable HDPE outrigger floats for increased stability in waves.

The sump and float arms are manufactured from stainless steel. Its low draught allows the skimmer to operate on shallow water. The self-adjustable weir lip is manufactured from oil resistant neoprene rubber and has a built in GRP float on top. The weir lip principle ensures that the operator is in control of the flow of oil/water into the skimmer. If the oil layer is thick the pump can run faster and the weir lip will go down and allow more oil in. In thin oil layers, just run the pump slowly and the weir lip will adjust itself upwards and restrict the flow into the skimmer.



2 sizes of the helical screw pumps that can handle all types of oils and with the precision made pump housing made of heat treated aluminium and the stainless steel impeller, it will serve your pumping needs for many years. The oil transfer pump can easily be detached by loosening 3 bolts and may be used as a submersible oil transfer pump. The minimum required power to operate the skimmer is the 7.3 kW (low capacity) and at full capacity 100 m<sup>3</sup>/h 25 kW power is recommended.

## MULTI – PURPOSE POWER PACKS TYPE KMP 3-55



- Diesel driven power pack from 3 kW to 55 kW for operation of a wide range of oil spill response equipment.
- Electric driven power pack for your industrial application 3 – 10 kW. Optional for hazardous zones.
- Hydraulic oil cooler fitted for 10 kW versions and above.
- Skid mounted or with wheels for easy positioning on vessels and jetty.

KAJ offers a wide range of multi purpose power packs that can operate different types of oil spill response equipment and thus save cost of establishing your response center.

The power packs are designed for easy handling, reliable operation and long lifetime and only high quality components and engines are used.

Our design also allows our engineers for modify the standard model to just suit your special requirement at low costs.

## ACCESSORIES: Hose, Tanks & Pumps



For a successful skimming operation it is often necessary to have use a number of accessories. KAJ can recommend and supply suitable equipment for your skimmer such as:

- Hose sets for the system stored in boxes or on hose reels.
- Tanks for storage and decanting of the recovered oil.
- Supplying screw pumps and diaphragm pumps for transfer of oil and centrifugal pumps for flushing contaminated areas with water
- Anchor sets for anchoring and positioning of booms and skimmers