

K4 hydraulic skimmer system

VIKOMA

50 years protecting our environment

**NEW
PRODUCT**





- System comprises:
 - K4 hydraulic driven disc skimmer.
 - On-board hydraulic driven pump.
 - Hose set.
 - Deployment and recovery tripod.
 - Transportation and storage trolley.

K4 skimmer system

- A portable skimming system powered by a electro-hydraulics.
- Complete system supplied on a truck type trolley making it easy to move around and quick to deploy.



K4 skimmer system

- Skimmer is designed to allow it to be deployed down a 600mm manhole.
- Tripod and hoist to allow for safe and easy deployment and recovery.
- On-board transfer pump
- 3m³/hr recovery rate



K4 SKIMMER SYSTEM, HYDRAULIC DRIVEN

TECHNICAL SPECIFICATION

VIKOMA

K4 Skimmer System, Hydraulic Driven,
complete with trolley for easy transport &
storage
Part No OS/0647

Application

The Skimmer System is designed to recover surface oil contamination from water in industrial situations. The skimmer is a very compact oleophilic disc type with an on-board pump. The skimmer is ideally suited to deployment down through hatch covers. The discs will recover oil with very high efficiency (typical 98% oil with only 2% free water). The on-board pump is capable of transferring oil with discharge pressure up to 2 barg.

Power is supplied by a compact electrohydraulic power pack and the whole system, including hydraulic and discharge hoses, is housed on a robust wheeled trolley for easy transport and storage.

Features

Oleophilic disc skimmer with on-board transfer pump.

Electrohydraulic Power Pack

Robust trolley with 4 wheels.

Hydraulic hoses

Discharge Hose

Dimensions

Length	155 cm (min.), 225 cm (max.)
Width	75 cm
Height	112 cm (max.)
Weight	235kg

Performance

Oil recovery	Up to 2 m ³ /hr (free water <2% typical)
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Discharge pressure 2 barg (max)

Hose Kit

Discharge	1"NB, 12m long
Hydraulic Hoses	1/4" NB & 3/8" NB, 12m long. Fitted with quick release hydraulic couplings.

Electrical

4kW (400V, 3Ph, 50Hz)
4 pole, foot & flange mounted TEFC, IP55.



Shipping Details (approximate)

Length	200 cm
Width	100 cm
Height	140 cm
Weight	300kg

Standard Equipment

Skimmer
Power Pack
Hoses
Trolley
Operation and Maintenance manual

Optional Accessories

Deployment Hoist
Spares kit
Overall Cover

oil recovery skimmers

Technical Specification No 3/485
Issue 2 EQ230818

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KEBAB K4 SKIMMER (HYDRAULIC)

TECHNICAL SPECIFICATION

VIKOMA

KEBAB K4 SKIMMER (HYDRAULIC)

Part No KD/0160

Application

The Kebab K4 Skimmer is a very compact and highly portable disc skimmer designed to recover floating oils and other substances from water where space is limited e.g. down manholes. The Kebab K4 Skimmer is based on the technology of, and shares common parts with, the highly successful Komara 20. The unit has very low water pickup (typically less than 2% recovered volume). The outlet from the hopper is a 1-1/4in male camlock (mounted vertically as standard). The discs operate with a robust hydraulic motor via a gearbox. Maximum pickup rate of the skimmer is 3m³/hr, the pickup rate is dependent on the oil being skimmed. The speed of the rotating discs is controlled from a flow control valve at the power pack. Mounted below the oil collection hopper is an impeller pump also controlled via a flow control valve at the power pack.

Dimensions

Length	500mm
Width	468mm
Height	580mm
Weight	17kg

Operating Parameters

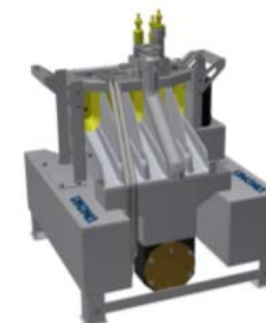
Pump output pressure	2 bar max
Pump output flow	>3 m ³ /hr
(Maximum pressure and flow are not attainable at the same time)	
Optimal operating Draft	20cm
(minimum operating depth 13cm)	

Construction

Body	Marine grade aluminium.
Fittings	Stainless steel & marine grade aluminium.
Gallery	HMW polymer selected for high
stiffness and	temperature stability.
Scrapers	Flexible polymer.
Discs	4 off rigid oleophilic plastic.

Hydraulic Drive

Disc motor	
flow maximum	3.8 l/m
pressure maximum	70 bar
Pump motor	
flow maximum	20 l/m
pressure maximum	100 bar



Standard Equipment

Operation and maintenance manual

Optional Accessories

Hose kits
Spares kit

Unit can be supplied as part of a highly portable trolley mounted system. Refer to technical specification 3.485

oil recovery skimmers

Technical Specification No 3/484
Issue 1 120718

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