

## 'The Vikoma Delta Skimmer - the ideal skimmer for oil recovery in shallow waters'

### What are the key features and benefits of this system?

- Due to the Delta's flat shape, lightweight aluminium construction and portability, the skimmer can be deployed into very inaccessible areas such as around piers and jetties.
- The system is simple and easily portable, so the Delta can be used by a single, unskilled operator.
- The Delta Skimmer head has no moving parts and is therefore virtually maintenance free.
- The pump rating is **42m<sup>3</sup>/hr** and the system oil recovery rates are up to **25m<sup>3</sup>/hr**.
- The system includes a powerful positive displacement VikoPump which will handle the full range of contaminants.
- The VikoPump has remarkable suction capabilities, can self prime and can also run dry for short periods. This flexibility means that it can be used for other duties such as tanker loading, drainage duties or anywhere there is a requirement to transfer fluids.
- The Delta skimmer system has been used around the globe and has been proven to offer extremely high reliability with very low maintenance.

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As Vikoma has an ongoing development program, we reserve the right to amend the information contained in this brochure without prior notice. All quoted dimensions and quantities are nominal. If equipment is required for operation in Zoned areas, please contact Vikoma International Ltd



## THE VIKOMA DELTA SYSTEM

The ideal skimming system for use in shallow water or confined, inaccessible areas where the use of larger skimmers would be impractical.



# Vikoma

Technology for a Cleaner Environment

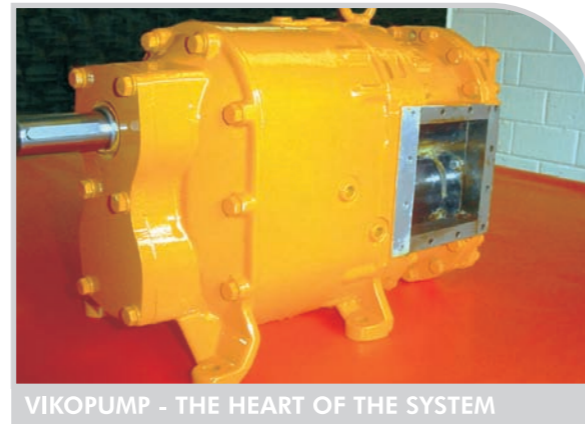
## DELTA SKIMMER SYSTEM

### Vikoma Delta skimmer suction for oil recovery in shallow waters

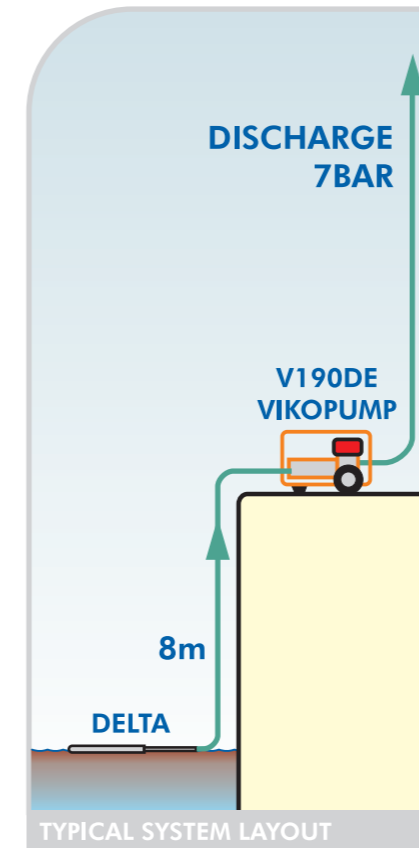
**What is it?** - The Delta skimmer system is a self-contained free floating oil recovery system, specifically designed for operation in shallow waters and inaccessible areas. The system comprises of a suction weir skimmer head coupled to a diesel driven VikoPump with associated hoses, couplings and floats. The system will recover up to 25 tonnes per hour.



THE DELTA FREE FLOATING SUCTION HEAD



VIKOPUMP - THE HEART OF THE SYSTEM



**How does it work?** - The VikoPump's strong suction action actively induces a 180° flow of contaminant into the Delta skimmer head. This head is free floating and has evenly spaced inlet ports. The angle of attack can be set for different oil thicknesses and specific gravities by adjusting the balance floats fitted behind the skimmer. The diesel engine driven VikoPump is a positive displacement pump, so the flow is not affected by differing viscosities of contaminants. The pump has remarkable suction capabilities, can self prime and also run dry for short periods.

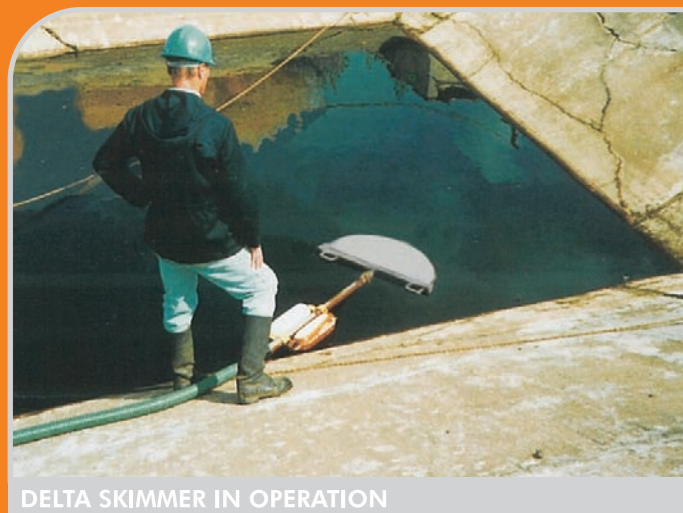


SKIMMER HEAD

**Where is it used?** - The Delta skimmer head can operate in as little as 7cm (2.75ins) of water. The lightweight construction makes it particularly valuable for beach cleanup, shoreline operations, around piers and jetties as well as in lakes, ponds, ports, harbours, rivers and inland waters. The compact design also allows the system to operate in holding tanks and storm water pits. In fact, the Delta skimmer system is suitable for use in any calm water requiring the rapid removal of heavy concentrates of oils or other floating contaminants.

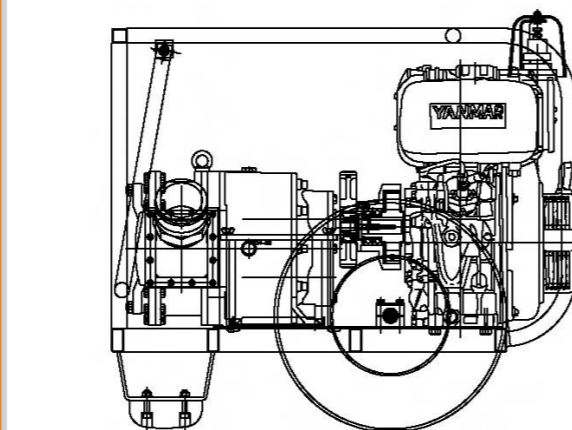
**Which oils will it recover?** - The system is designed to handle light to medium oils although the VikoPump is capable of pumping much higher viscosity pollutants.

**Who can operate it?** - Due to the very simple nature of the system and ease of portability, the Delta can be used by a single, unskilled operator.



DELTA SKIMMER IN OPERATION

LIGHTWEIGHT AND POWERFUL V190DE VIKOPUMP

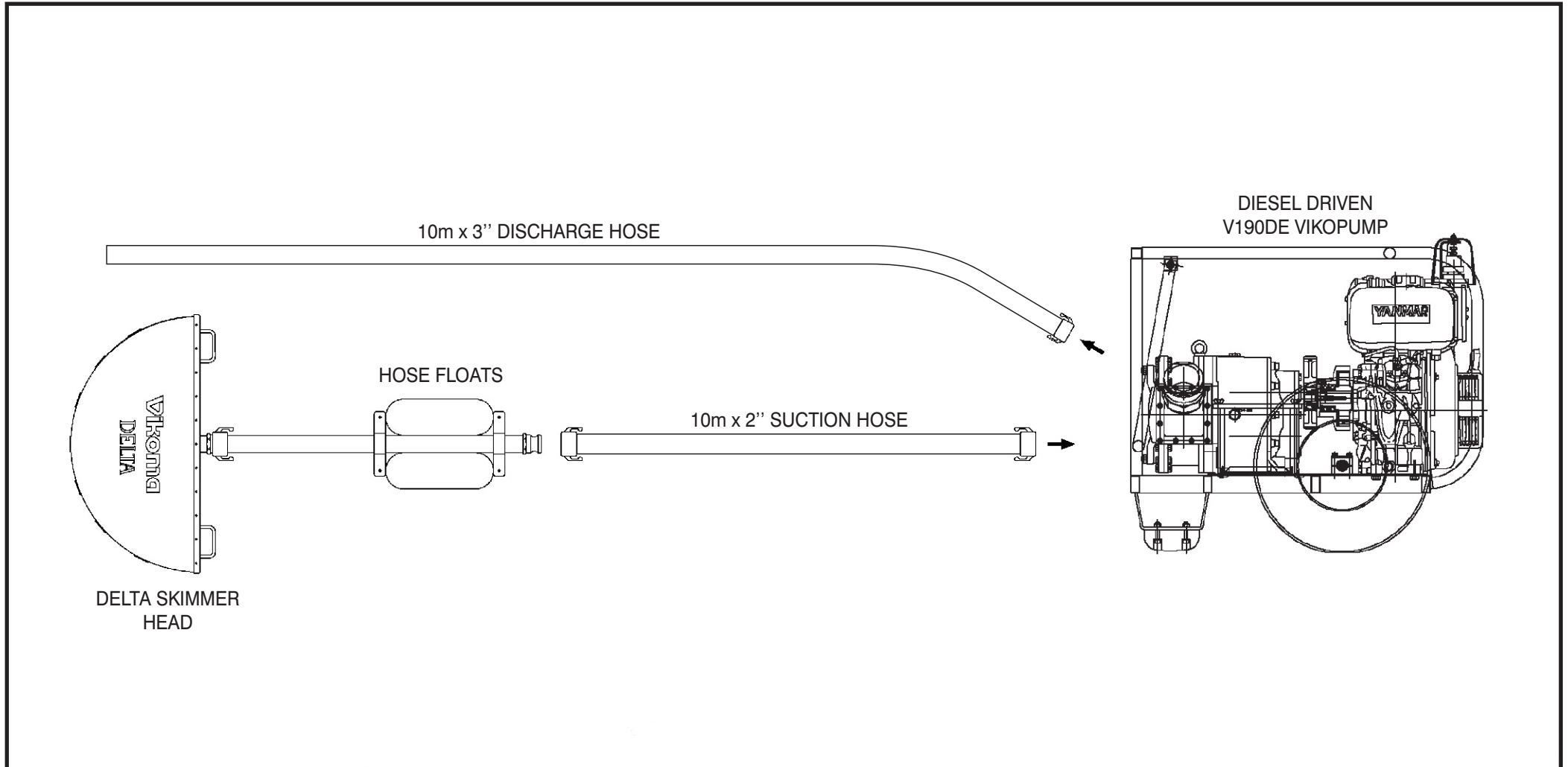


DISPLACEMENT LOBES IN VIKOPUMP

DEPENDABLE CAMLOCK TUBE CONNECTION



# DELTA SKIMMER SYSTEM LAYOUT



			<p>DO NOT MODIFY MANUALLY</p>	MATERIAL  SEE LISTINGS	SCALE NTS	UNLESS OTHERWISE STATED 1 DO NOT SCALE 2 REMOVE SURF & DIMS TO DIMS 3 DIMENSIONS IN MILLIMETRES 4 DIMS ACCORDING WITH ISO 3101 5 THIRD ANGLE PROJECTION TOLERANCE GENERAL ± 0.2 HOLE DIMENSIONS ± 0.1 ANGLES ± 0.5	VIKOMA <sup>®</sup> INTERNATIONAL LIMITED	
					DRAWN PK		TITLE <b>DELTA SKIMMER SYSTEM LAYOUT</b>	DRG. No. D/SL/3.01
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