



# Skimmers

The skimmer is a system designed to actively recover free floating hydrocarbon (LNAPL) from groundwater. It consists of a combination of floating intakes of either a hydrophobic intake screen or a specially designed float. Both types of floats are interchangeable and can be easily changed on site to suit the application.

## Hydrophobic intake screen

A hydrophobic intake screen which, allows only hydrocarbon to pass through the filter and into the recovery pump. It can reduce the product layer down to a sheen (0.25 mm) depending on the viscosity and specific gravity.

## Float

Specially designed float which, allows product to enter and pass down the coiled flexible tube to the recovery pump. High recovery rates are achievable but depending on the specific gravity of the product may leave a residual layer up to 25 mm. The choice of floating intake will depend on the type of product being pumped and as many are often mixtures of several types the final choice may only be defined by site trials. Available in diameters to fit 50, 100 mm and larger wells.

## Features

- Viscosities up to 1000 Centistokes
- Relative densities from 0.7- 0.96
- Interchangeable float & filter
- Recovery rates up to 200 lit/hour

The skimmer and product recovery pump are connected together and are lowered into the well until the midpoint of the skimmer's travel is located at the fluid level in the well.

The skimmer has a floating intake that can follow any fluctuating water table level up to 1400 mm. Hydrocarbon enters through either the hydrophobic filter or through the intake (float), down through a flexible tube, and is drawn up into the product pump. The product pump then pumps to a storage tank or suitable discharge point.

Active product recovery requires the skimmer to operate together with an automatic down-well product recovery pump (art. no.: 12.60) which can recover product up to depths of 76 metres. The flow rate of the skimmer system can be altered to suit differing well yields.

## Features

- Interchangeable floating intakes
- Hydrophobic filter
- Relative density intake
- Will fit in 50 mm well
- Handles viscosities 1-1000 Centistokes
- Can reduce product down to <0.25 mm
- Flow rates up to 3000 litres per day
- Minimum maintenance
- Simple to use



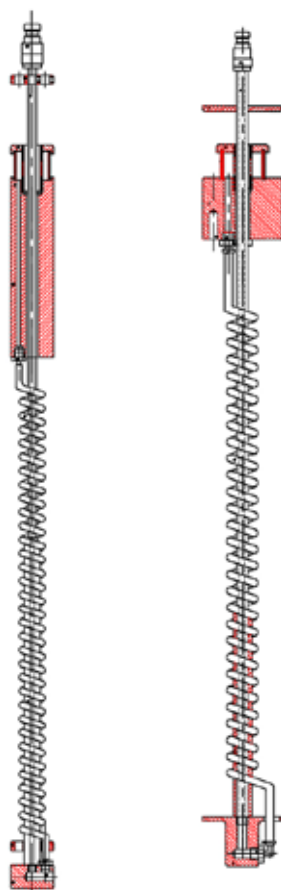
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## Ordering information

- 12.66.51 Skimmer with hydrophobic filter for 50 mm well. Range 50 cm. Skims oil down to 0.25 mm. Suited for oil with viscosities 1-1000 centistokes. Filter can be replaced with float.
- 12.66.51.01 Float for skimmer for 50 mm well. Skims oil down to 25 mm. Suited for oil with densities 0.7 till 0.96 gr/ml. Float can replace hydrophobic filter.
- 12.66.53 Skimmer with hydrophobic filter for 100 mm well. Range 50 cm. Skims oil down to 0.25 mm. Suited for oil with viscosities 1-1000 centistokes
- 12.66.53.01 Float for skimmer for 100 mm well. Skims oil down to 25 mm. Suited for oil with densities 0.7 till 0.96 gr/ml. Float can replace hydrophobic filter.

Skimmer with hydrophobic filter for 50 (left) and 100 mm well (right).  
Filter can be replaced with float.



Specifications may change without prior notice