

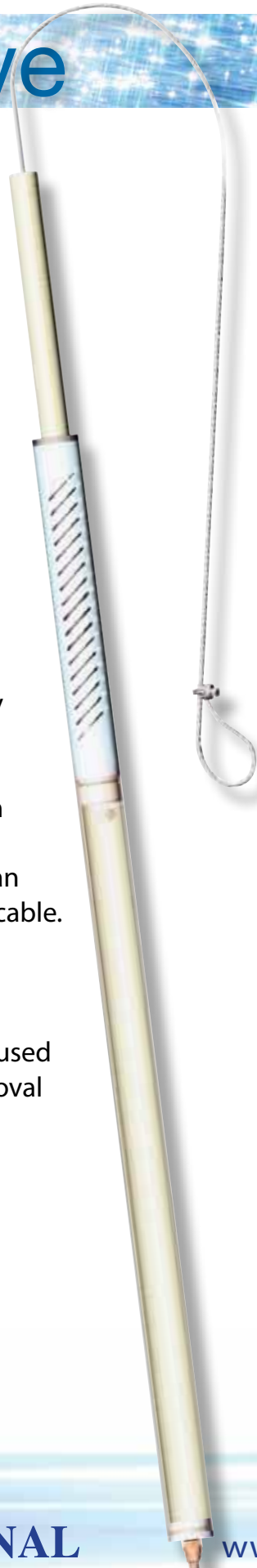
RSS Passive Skimmers

For simple and efficient recovery of LNAPL (floating product layers) from boreholes and tanks

These simple to use manual skimmers remove floating petrol and diesel products from the water surface using a selective filter membrane which only allows the passage of oil product.

The skimmer is designed to float when empty and will gradually sink as it fills. It is restrained from sinking deeper than necessary by a stainless steel support cable. Once full, the skimmer is retrieved and emptied at surface.

These products can be cleaned and reused many times over and are ideal for removal of small volumes of oil product from groundwater boreholes.



Applications

- For simple and efficient recovery of LNAPL (floating product layers) from boreholes and tanks.

Benefits

- Simple to use and maintain.
- Does not require compressed air or electricity.
- High recovery efficiency and accuracy.
- Re-useable.

Design features

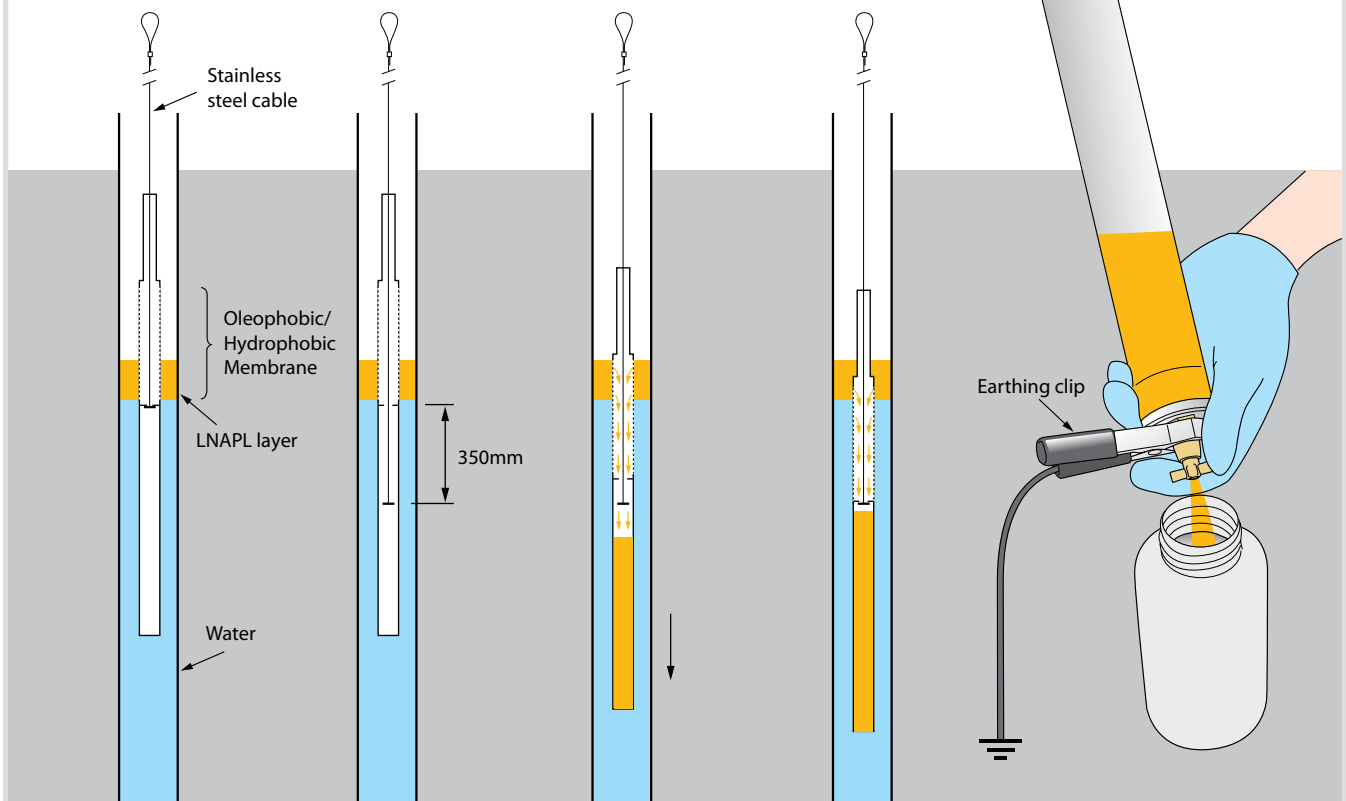
- Choice of 3 models for 50mm and larger diameter boreholes.
- Low profile design.
- Lightweight.
- Easy drain reservoir via bottom discharge valve.
- Earthing clip available.



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Skimmers usually fill very quickly (in a matter of minutes), though depending on the thickness and viscosity of the oil, its state of degradation and ground / geological conditions the process can take longer (from hours to days).

Selective Passive Skimmer - Method of operation



Skimmer is lowered into borehole until it floats.

With skimmer floating, the cable is lowered by 350mm and secured.

Skimmer sinks as it fills with sample.

Skimmer sinks until cable is stopped at base of hydrophobic section. Withdraw skimmer from borehole.

Skimmer is earthed to remove static, then valve is opened to drain sample.

The selective passive skimmer is available in 3 sizes:

Model	OD mm	Reservoir capacity (litres)	Length (m)	Weight (kg)
RSS 25	42.5	0.6	1.3	0.7
RSS 50	60.0	2.0	1.7	2.0
RSS 75	90.0	4.5	1.7	5.0