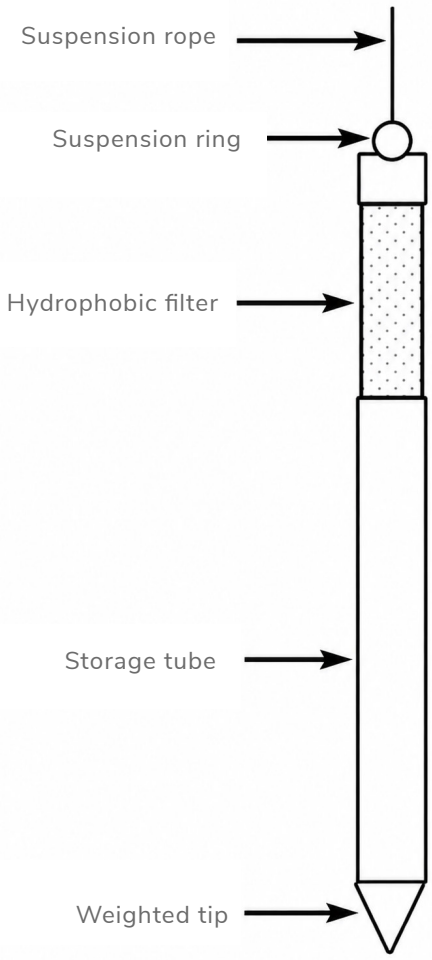
Passive skimmer
for light hydrocarbon (LNAPL) recovery

The Petrobailer is a hydrophobic passive skimmer designed for the recovery of light non-aqueous phase liquids (LNAPL), including gasoline, kerosene and other floating fuels present in groundwater.

Manufactured from PVC and polyethylene (PE), the system is suspended by a rope, positioning the hydrophobic filter at the water-hydrocarbon interface to promote selective contaminant recovery.



SUITABLE FOR RECOVERING:

- ✓ Gasoline
- ✓ Kerosene
- ✓ Light Fuels

Not recommended for:

- ✗ Heavy diesel
- ✗ Heavy crude oil
- ✗ Weathered oils

FEATURES

- Passive recovery of floating light hydrocarbons.
- No electrical power or pumping required.
- Simple installation using a suspension rope.
- Selective recovery at the water-hydrocarbon interface.
- Modular threaded design.
- 12" (30 cm) hydrophobic filter.
- Recovery capacity of up to 1 L of hydrocarbon.
- Cost-effective solution for environmental monitoring and remediation projects.
- Hydrophobic filter designed to capture light hydrocarbons while minimizing water ingress.

TECHNICAL DATA

- Total length: 1.56 m
- Outside diameter: 42 mm
- Capacity: 984 ml
- Weight: 1.5 kg
- Minimum activation depth: 1.05 m of water
- Materials: PVC, porous polypropylene (PP), stainless steel and Buna-N seals

INSTALLATION AND OPERATION

1. Initial measurement

Measure and record the static water level and floating hydrocarbon (LNAPL) thickness in the monitoring well.

2. Installation

Attach a suspension rope to the upper ring and adjust its length to position the hydrophobic filter at the water-hydrocarbon interface.

3. Recovery

Lower the Petrobailer slowly into the well.

The hydrophobic filter will selectively collect the floating hydrocarbon while rejecting water.

4. Emptying and redeployment

Periodically remove the Petrobailer, unscrew the upper section and empty the recovered hydrocarbon into a suitable container.

Recheck the floating product thickness and repeat the process if necessary.

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