

Passive Hydrocarbon Skimmer

Geotech Filter Bucket™

The Geotech Filter Bucket™ is an independently floating passive hydrocarbon skimmer that is equipped with a visual alarm to indicate when the bucket is full. The heart of the system is a floating cartridge that recovers product for storage in an integral 2 liter reservoir. Actual separation of product from water is carried out by a mesh screen located in the cartridge. This screen is specially treated to pass oil and repel water.

OPERATION

As product passes through the cartridge, it passes into one of the two hoses and is gravity fed through the bucket wall and through a small check valve. When the cover of the bucket is removed, product can be seen flowing into the bucket. The rate of flow into the Geotech Filter Bucket™ is dependent upon the viscosity of the product and the thickness of the slick.

As product accumulates in the reservoir, the Geotech Filter Bucket™ will ride lower in the water. At the same time, the product level indicator shaft will be extended through the lid of the bucket. The Geotech Filter Bucket™ is designed so that the reservoir will cease taking on product just as the cartridge contacts the bucket handle.

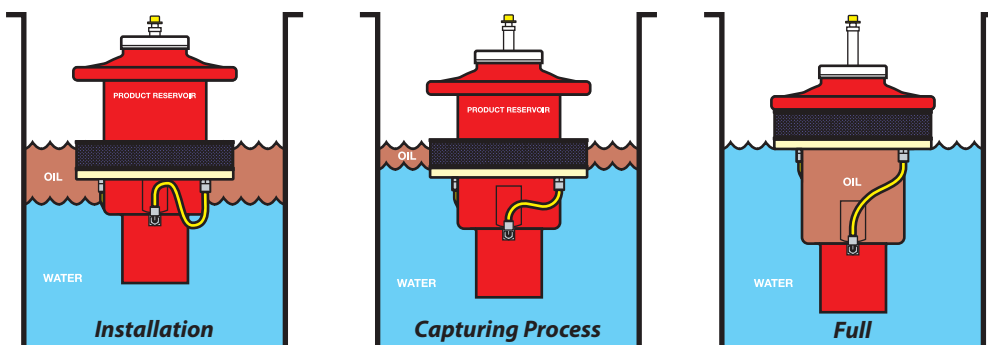
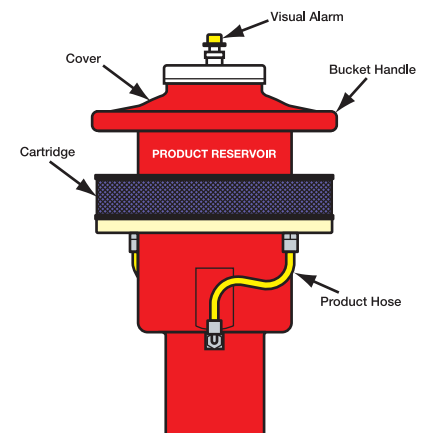
SPECIFICATIONS

Dimensions:

Height	16" (41 cm)
Diameter	10" (25cm)
Weight	7 lbs. (3.2 kg)
Capacity	2 liters (.53 gallons)

Materials:

Body	Polyethylene
Hoses	Polyethylene
Check Valves	Nylon
Cartridge	100 Mesh Oleophilic/hydrophobic (blue) 60 Mesh Oleophilic/hydrophobic (green)



Selective Product Recovery

GeoSorb Selective Product Recovery

The GeoSorb is designed to recover hydrocarbons from 2" or 4" (5cm or 10cm) and larger wells. The GeoSorb System consists of a stainless steel screened cage assembly and a product selective absorbent. The system is lowered down the well where it passively absorbs free product.



FEATURES

- Designed for 2" (5cm) or 4" (10cm) and larger wells
- Designed to recover the product, not the water
- Absorbent sock refills available in cases of 12, or individually
- Heavy-duty #304 stainless steel screen assembly
- FEP coated stainless steel hanger
- Ballast weight for optimal submergence

OPERATION

Prior to use, always check depth and thickness of product layer in well!

Simple to use, just 4 easy steps:

1. Insert sock into stainless steel screen assembly. Do not lower sock down well without screen assembly.
2. Attach safety cable or cord to the hanger on the screen assembly.
3. Slowly lower into the well to maximize exposure to product layer. In long-term applications, set unit to accommodate water level fluctuations over the full length of screened assembly.
4. Retrieve screen assembly, remove used sock, dispose according to local ordinances.

SPECIFICATIONS

	2" GeoSorb	4" GeoSorb
Screen Material	#304 SS, perforated	#304 SS, perforated
Screen Mesh Holes Size	5/32" dia. x 3/16" stg. ctrs. (3.97mm x 4.76mm)	5/32" dia. x 3/16" stg. ctrs. (3.97mm x 4.76mm)
Available Screen Length	36.0" (91.4cm)	36.0" (91.4cm)
Screen Outside Diameter	1.750" (44.5mm)	3.670" (93.2mm)
Actual Overall Assy. Length	37 1/8" (94.3cm)	36 5/8" (93.0cm)
Weight w/Ballast	1.73 lbs. (.78 kg)	5.19 lbs. (2.35 kg)
Min. Well Inside Diameter	2" (51mm)	4" (102mm)
Absorbent Sock Diameter	1.5" (38.1mm)	3.0" (76.2mm)
Absorbent Sock Length	36" (91.4cm)	36" (91.4cm)
Absorbent Sock Material	Polypropylene filler contained in a white polypropylene fabric sock	Polypropylene filler contained in a white polypropylene fabric sock
Rated Absorption*	2.16 gal. (8.2 L) per case of 12 .72 qt. (.68L) per sock	8.52 gal. (32.3L) per case of 12 2.8 qt. (2.65L) per sock

*The product absorption rate is determined by the viscosity of the product and can vary depending on site conditions.

Geotech PRC Passive Skimmer

The Geotech PRC (Product Recovery Canister) is a passive skimmer with a floating intake that separates and recovers light hydrocarbons from groundwater. The Geotech PRC collects floating product down to a sheen then is emptied through a discharge valve at the bottom of the canister after being raised to the surface.

FEATURES

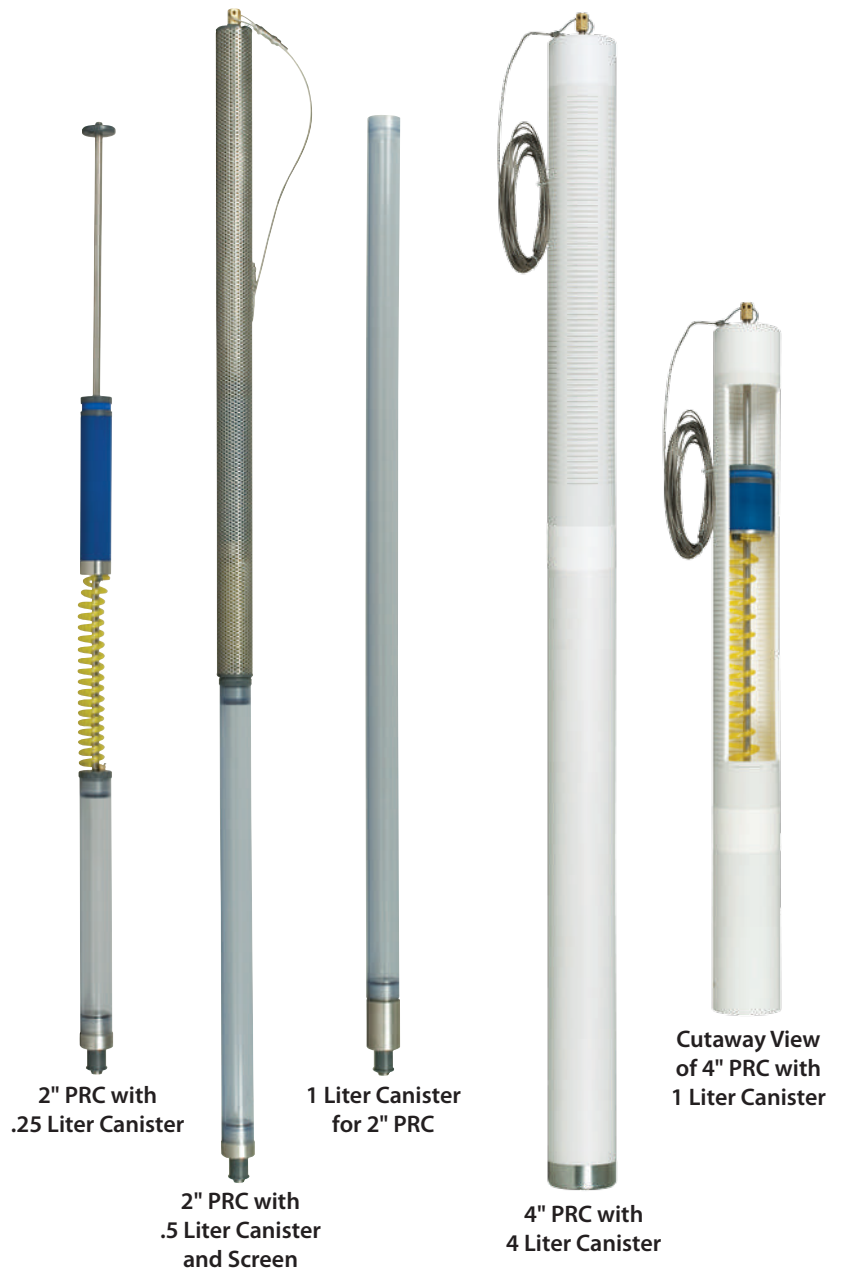
- Oleophilic / Hydrophobic filter buoy recovers product without taking in water
- Quick fill time – about 15 minutes with ample product
- Protected easy release drain valve
- Able to convert to active recovery systems

2" PRC

- 12" (30.5 cm) effective buoy travel
- 4 recovery capacities: .125, .25, .5 and 1 liter
- Transparent recovery canister
- 2" (5 cm) or larger monitoring well applications
- Optional protective screen

4" PRC

- 16" (40.6 cm) effective buoy travel
- 3 recovery capacities: 1, 3 and 4 liter
- 4" (10 cm) or larger monitoring well applications
- Buoy protected in 0.020 (.5mm) slot PVC screen



Geotech PRC Passive Skimmer

4" PRC SPECIFICATIONS

	1 Liter	3 Liter	4 Liter
Dimensions	37.0" L x 3.5" OD (94cm x 9cm)	53.0" L x 3.5" OD (135cm x 9cm)	60.0" L x 3.5" OD (152cm x 9cm)
Empty Weight	8 lbs. (3.7kg)	15 lbs. (6.8kg)	16 lbs. (8.2kg)
Full Weight	9.5 lbs. (4.3kg)	19 lbs. (8.6kg)	25.5 lbs. (11.6kg)
Capacity	.26 gal.	.8 gal.	1.06 gal.
Minimum Water Depth Required	18.5" (47cm)	35.0" (89cm)	43.0" (109cm)
Materials (All)	Stainless steel, brass, and engineered plastics		

2" PRC SPECIFICATIONS

	0.125 Liter	0.25 Liter	0.5 Liter	1 Liter
Dimensions	43.5" L x 1.75" OD (110cm x 4.4cm)	49.0" L x 1.75" OD (149cm x 4.4cm)	59.5" L x 1.75" OD (151cm x 4.4cm)	82.5" L x 1.75" OD (210cm x 4.4cm)
With Screen	43.5" L x 1.88" OD (110cm x 4.8cm)	49.0" L x 1.88" OD (149cm x 4.8cm)	59.5" L x 1.88" OD (151cm x 4.8cm)	82.5" L x 1.88" OD (210cm x 4.8cm)
Empty Weight	2.9 lbs. (1.3kg)	3.1 lbs. (1.4kg)	3.5 lbs. (1.6kg)	5.2 lbs. (2.4kg)
With Screen:	4.3 lbs. (2.0kg)	4.5 lbs. (2.0kg)	4.9 lbs. (2.2kg)	6.6 lbs. (3.0kg)
Full Weight	3.1 lbs. (1.4kg)	3.5 lbs. (1.6kg)	4.3 lbs. (2.0kg)	6.7 lbs. (3.0kg)
With Screen:	4.5 lbs. (2.1kg)	4.9 lbs. (2.2kg)	5.7 lbs. (2.6kg)	8.1 lbs. (3.7kg)
Capacity	0.035 gal.	0.07 gal.	0.13 gal.	0.26 gal.
Minimum Water Depth Required	23.5" (60cm)	29.0" (74cm)	39.5" (100cm)	62.0" (157cm)
Materials (All)	Stainless steel, brass, and engineered plastics			