
PetroTrap™ Passive Free-Product Recovery System

PetroTrap passive skimmers can be installed in minutes and are ideal on sites where free-product recovery must begin immediately. The system employs the use of a collection canister, eliminates the need to run electricity or air lines to the well.

Features:

No power source required
Installation takes only minutes
Ideal monitoring device to indicate migrating plumes
Available for 2" and 4" wells
Effective with diesel fuel, gasoline, kerosene, jet fuel and most other refined motor fuels



Specifications:

Diameter - 1.75 inches
Length - 62.5 inches
Weight - 10.5 lbs. <

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Enviro Products, Inc.

Description:

PetroTrap - a unique passive skimmer system which incorporates the use of an active buoy assembly. This buoy assembly removes free product to a sheen. The skimming action of our system is equally effective with water table fluctuations as great as 24 inches.



PetroTrap can be installed in minutes and is ideal on sites where free product recovery must begin immediately. The system employs the use of a collection canister, eliminating the need to run electricity or air lines to the well.

PetroTrap is lowered into the well much the same way as a bailer, then is suspended using the lanyard/vent tube (standard 25' length). The unit begins recovering product as soon as product is available. Periodically, the canister is emptied manually through the drain valve at the bottom of the canister.

Features:

- No power source required
- Installation takes only minutes
- Effective with petroleum fuels
- Ideal monitoring device to indicate migrating plumes
- Available for 2" and 4" wells
- Lifetime warranty

Materials of Construction:

- Stainless steel
- Brass
- Polyethylene
- PVC

Standard System Includes:

- PetroTrap skimmer assembly (2" or 4" Model)
- 25' suspension hose
- Choice of 2", 4", or 6" locking well cap

Options:

- Additional canister which will double the PetroTrap's capacity
- Varying lengths of suspension hose

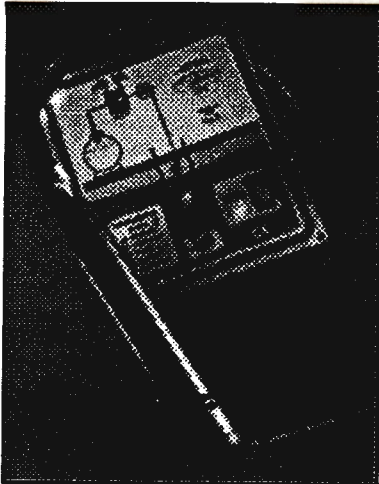
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Clean Earth Technology, Inc.



Magnum Spill BusterTM



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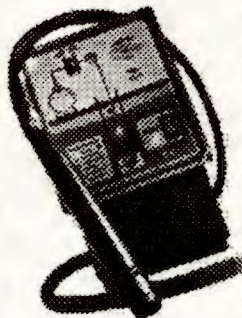
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THE BEST IN FREE PRODUCT RECOVERY

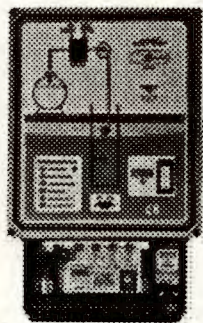


OVERVIEW



The **Magnum Spill Buster™** is an advanced product pumping system for installation in 2" or larger diameter wells. The 1.93" diameter probe contains a small but powerful 12vdc electric product pump, as well as the patented *Alpha-Array™* interface sensors.

The Alpha-Array interface sensors are a multiple field array, all solid state, monolithic, noncontact, fluid-interface sensor that is a spin-off of spacecraft fuel gauging developed for NASA. The use of this interface sensor in the environmental industry is unique. Since it is a noncontract sensor, it is highly immune to fouling, which is a problem with virtually all other types of sensing methods (including conductive, float, optical and even radio frequency methods.)



The **Magnum Spill Buster Control Box** coordinates and displays the condition of the system operation. The control box also allows certain system parameters to be varied and provides an RS-485 communications port for connection to up to 31 other units and a personal computer (PC) up to 3,000 ft. away. An optional telephone line communications package can be installed providing longer distance connection to a host PC and/or a FAX machine.

The **Auto Seeker** is a small motorized reel assembly located at the top of the wellhead. It automatically raises and lowers the probe to follow the product interface and is only limited by the length of the cable. **This makes the system operation highly efficient even with large changes in the level of the ground water.** The cable fully reels onto the Auto Seeker allowing the system to freely operate in a vault as small as 24" x 24" x 22" deep.



Paying to dispose of water?

The **Magnum Spill Buster™** **does not** pick up water -- as a result of its superior sensing technology. You won't pay hazardous waste fees to dispose of water.

Units made by other manufacturers suck up water in addition to free product. Despite their lower initial cost, **inferior units can cost you more in the long run.**

Check out the other superior features of the Clean Earth Technology Spill Buster

FEATURES



The Magnum Spill Buster™ features:

- Low profile Auto Seeker motorized reel system allows installation in smaller well head spaces and prevents cable tangling
- The system can be used with "floaters" or "sinker" (DNAPLs) with a minor adjustment to the probe and control box.
- Water depression can be added to the system with the addition of a Water Depression Module and water pump.
- New "slimline" connectors for the cable ends which are extremely rugged and easy to clean.
- Plastic enclosure with connector "pouch" which provide easy access to the cables, adjustable controls and AC wiring.
- True 24 VDC battery/solar panel operation even for deep wells.

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SPECIFICATIONS



Complete Magnum Spill Buster System Includes:

Magnum Spill Buster Control Box, Magnum Spill Buster (tm) Probe with 50 foot cable, Auto Seeker with 25' cable, Tank Shutoff Probe with 25' cable and 100' product discharge tubing.

Input Power

115 VAC or 230 VAC, 100 watts max. or 24 VDC, 757 watts max. with optional battery cable. deep discharge batteries.

Operating Temperature Range

-40 to +140 degrees F or

-40 to +60 degrees C

Pumping Rate

Up to 45 GPH (175 LPH) @ 0 PSI (Zero depth and no discharge back pressure.) or Up to 45 GPH (57 LPH) @ 50 PSI (50' deep and 25 PSI discharge back pressure.)

Standard Well Depth

50' max.

Maximum Well Depth

100' on special order with 100' down-well cable.

Minimum Well Head Clearance for AUTO SEEKER

24" x 24" x 22" deep

Probe Dimensions

1.8" dia. x 16" long (cable dia. including the discharge tube is 0.5") Standard Probe cable length is 50'.

Control Box

14" wide x 23" high x 6" deep. An additional 10" is required below for cable exit and an additional 14" is required in front and to the left door swing.

Standard Cable Length

25' from Control Box to well head

Product Tank Probe

Threads into a standard 2" barrel bung. Standard cable length is 25".

Total System Weight

68 lbs.

Optional Equipment

Immediate Response Box for quick field installations (3 sizes available)

Optional cable extension lengths: 50', 75' and 100' from Control Box to well head Complete Solar Panel Charging System (24 Vdc) Spare Products Pumps, Battery Cables, Custom Requirements Water depression control modular Gundfoss water depression pumps with NEC fittings, 5 to 2000 gpm

Network Software for central PC - operate up to 32 Magnum Spill Buster (tm) at one time RS-485 repeaters for long well-to-well distances Laptop PC Software for in-field temporary hookup to Magnum Spill Buster (tm) Telephone Line Communications Modem

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PRC Product Recovery Canister

THE Answer to your "Passive" Hydrocarbon Recovery Needs.

The PRC (Keck Canister) is a passive, floating skimmer device designed to separate and recover light hydrocarbons from the ground water. Incorporating Keck's original skimmer technology with a storage canister, the device will automatically collect floating product down to a sheen. After recovery, the product is evacuated from the device through a discharge valve at the bottom of the canister.

Featuring a hydrophobic filter buoy for product recovery without water, the PRC skimmer has a travel in excess of 12"/30cm to compensate for water table fluctuation and well placement.

Available for 2"/50mm or larger monitor wells, the PRC requires no external means of power, is easily installed, and can be installed at remote sites.

Specifications:

Dimensions

Length: 39"/99cm (4"/100mm canister), 50"/127cm (2"/50mm canister)

OD: 3.5"/90mm or 1.75"/44mm

Weight: 7 lbs./3.2kg (4"/100mm canister), 4 lbs./1.8kg (2"/50mm canister)

Recovery Canister Capacity

2"/50mm .5 liter transparent cylinder

4"/100mm 1 liter standard, other capacities available; easily changed in the field.

- A two inch PRC
- A four inch PRC

KECK WELCOME PAGE

HYDROCARBON RECOVERY SYSTEMS

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