

Hydrocarbon Recovery Systems



ORS Small Diameter Filter Scavenger™

The ORS Small Diameter Filter Scavenger™, is a hydrocarbon recovery system capable of recovering a wide range of floating hydrocarbons from groundwater wells. The system is designed to fit into a 4" dia. (10cm) well or larger.

FEATURES

- Unique design makes product recovery more efficient than total fluids
- Highly efficient water-free product recovery
- Ideal for wells with static fluid levels down to 150' deep
- Operates reliably in fluctuating water levels
- Uses oleophilichydrophobic membrane to separate and recover hydrocarbons from water table
- 100% portable for use well to well or site to site
- Custom applications available to meet your site specific conditions
- Fully automated operation
- Complemented results with use of water table depression pump (dual pumping system)
- Explosion Proof controls available for use in hazardous environments (Class I, Div 1)

OPERATION

The ORS Small Diameter Filter Scavenger™ (SDFS) uses a floating intake cartridge which follows the fluctuations of the water table up to 12". Systems capable of handling 3' of water table fluctuations are available upon request. The intake cartridge consists of a float and a specially treated oleophilichydrophobic membrane.

This unique membrane allows hydrocarbons to enter the cartridge while simultaneously repelling water. The system reduces the thickness of hydrocarbon layers down to a sheen. It can be operated either alone or in conjunction with a water table depression pump.



CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

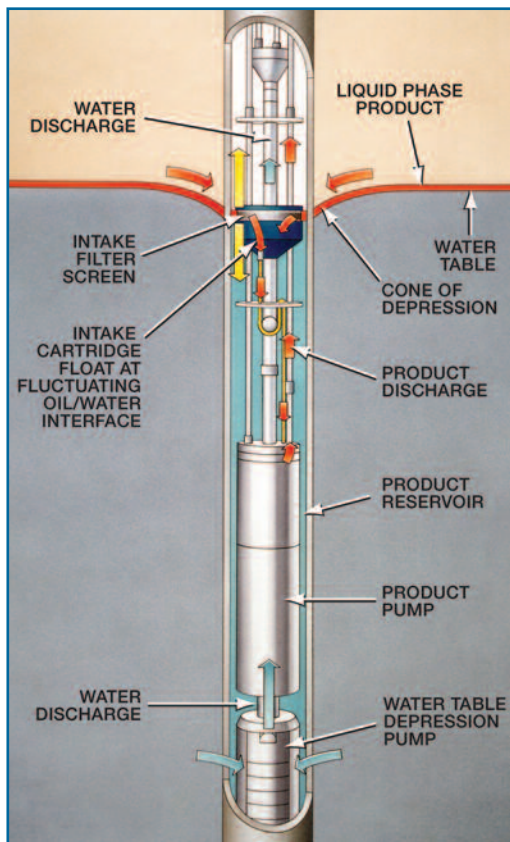
2650 East 40th Avenue • Denver, Colorado 80205

(303) 320-4764 • **(800) 833-7958** • FAX (303) 322-7242

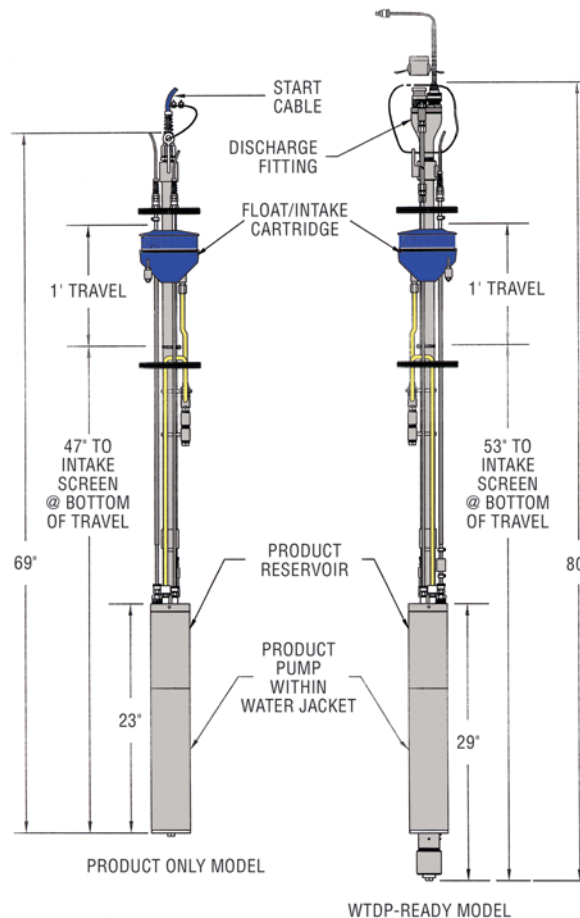
email: sales@geotechenv.com website: www.geotechenv.com

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ORS Small Diameter Filter Scavenger™



Submerged in-well-view of ORS Small Diameter Filter Scavenger™



Down-well Modules
4" SDFS (3 1/2" O.D.)
6" SDFS (5 1/2" O.D.)

SPECIFICATIONS

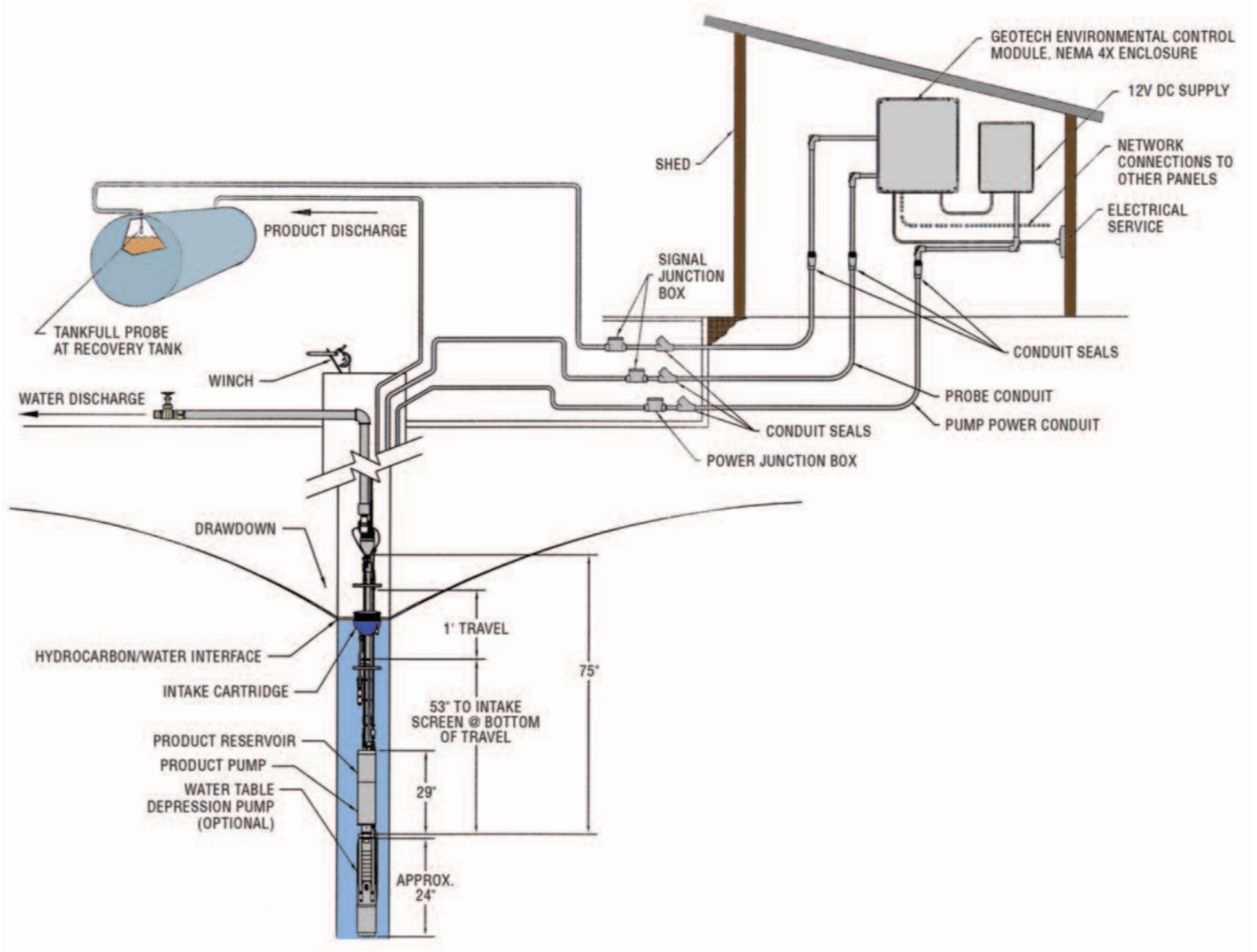
Applications	4" (10.3 cm) or larger recovery wells with fluctuating water tables (12" standard fluctuation range)
Recovery Rate	Up to .5 gpm (1.9 lpm) = 720 gal/day @ 90'
Max. Operating Depth	100 feet (46.1 m)
Dimensions/Weight	4" (SDFS) – 3.5" dia. x 69" length 50 lbs. (9cm x 176.9 cm 22.7 kg) 6" (SDFS) – 5.5" dia. x 69" length 50 lbs. (14cm x 176.9cm 22.7 Kg)
Power Requirements	115/230 VAC 50/60 HZ
Oil/Water Separation	Oleophilichydrophobic membranes for gasoline, diesel, and other hydrocarbons.
Base System	ORS Small Diameter Filter Scavenger™ downwell module with 100 ft. of probe cable, 100 ft. pump power cord, 100 ft. of 3/8" product tubing, 12 volt power supply in a NEMA 4 enclosure.
Options	Geotech Environmental Control Module with NEMA 4X enclosure, in-line water table depression pump, tank-full shut-off, spare parts kit (fuses, bulbs, union), wench & shroud, XP NEMA 7 controls.

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Typical configuration of an ORS Small Diameter Filter Scavenger™ with water table depression pump system

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