



# GEOTECH

## Geopump™ Peristaltic Pumps

The Geotech Geopump™ Series I and II Peristaltic Pumps are designed for single and multi-stage pressure or vacuum pumping of liquids. They operate by mechanical peristalsis, so the sample only comes in contact with the tubing. This allows for consistent sample integrity as well as easy cleaning and replacement. The Geopump is ideally suited for field sample removal from shallow wells and all surface water sources or for laboratory use.

### FEATURES

- Exceptional field durability
- Operate from 60 to 600 RPM
- Up to 1 liter/min. delivery rate
- Operate to a depth of 27 feet (8 meters)
- Variable speed control
- AC only, DC only, or AC/DC combination
- Two pumping stations available, which can be piggybacked for multi-station pumping
- Reversible flow feature for back-flushing
- Disposable and dedicated tubing means controlled costs and no decontamination issues

### OPERATION

The Geotech Peristaltic Pumps operate by mechanical peristalsis, so the sample only comes in contact with the tubing. This allows for sample integrity as well as easy cleaning and replacement. With the optional stainless steel tubing weight, tubing can be lowered to a specific depth without curling or floating on the surface of the water. Geopumps operate from any external 12V DC or 120V AC power source.

**SERIES I Geopump™** Peristaltic Pumps are available in AC only, DC only, or AC/DC combination. These units have one pumping station which can be piggy-backed for multi-station pumping. They have variable speeds ranging from 60 RPM to 350 RPM.

**SERIES II Geopump™** Peristaltic Pumps are available in AC only, DC only, or AC/DC combination. They have two pumping stations which can also be piggy-backed for multi-station pumping. The first pumping station has a variable speed of 30 to 300 RPM and the second station 60 to 600 RPM.



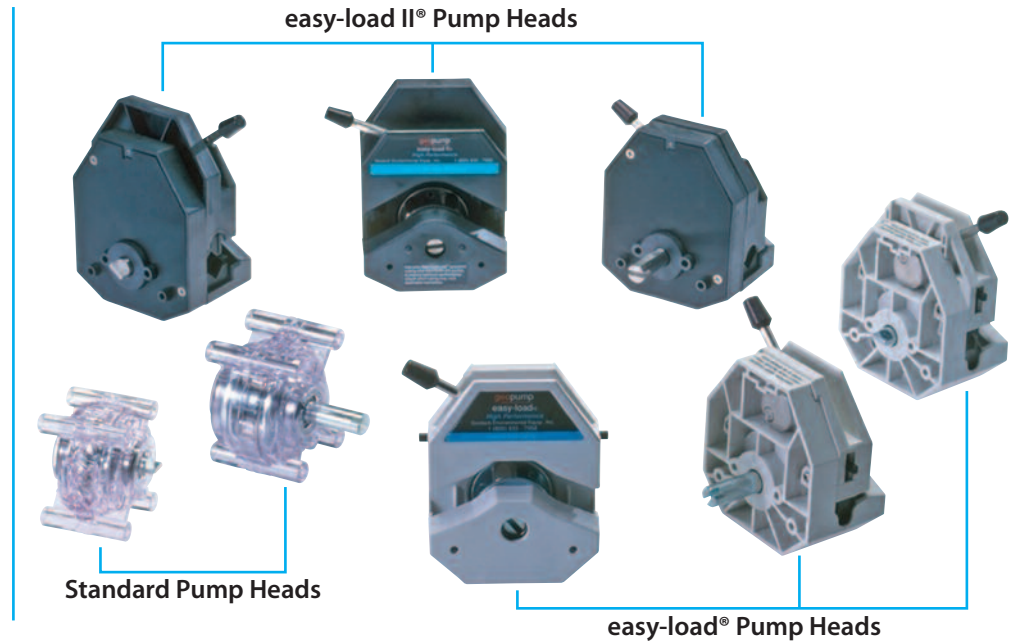
Geopump™ Peristaltic Pump Series II Kit with optional easy-load II® pump head, modular battery, 5 ft. (1.5 m) tubing, carrying case and power cord



Sample collection with the Geopump™ Peristaltic Pump Series II with optional easy-load II® pump head (dispos-a-filter™ capsule sold separately)

**ACCESSORIES**

- easy-load II® pump head
- easy-load® pump head
- Silicone tubing
- Tygon tubing
- Other tubing
- Stainless steel tubing weight
- Custom length power cord
- Geotech Back Flushing Membrane Filter Holder
- Geotech in-line dispo-a-filter™ filter capsule
- Rechargeable battery
- Battery charger
- Optional stainless steel rotor for pump
- Additional power cords
- Carrying case



**SPECIFICATIONS**

<b>Operating Range</b>	Suction from 27 feet (8 meters) at sea level
<b>Principle of Operation</b>	Mechanical peristalsis
<b>Dimensions</b>	3.5 x 8 x 8 in. (9 x 20 x 20 cm)
<b>Power Source</b>	Any external 12-18 V DC @ 70 watts 90-260 V AC 47-65 Hz
<b>Power Cord</b>	12V DC adapter cord or standard AC power cord
<b>Power Cord Length:</b>	AC Cord 8 feet (2.4 meters) DC Cord 15 feet (4.6 meters)
<b>Range of Speed:</b>	
Series I	60 to 350 rpm
Series II	First pumping station 30 to 300 rpm Second pumping station 60 to 600 rpm
<b>Speed Control</b>	Stepless variable speed control
<b>Liquid Delivery Rate</b>	1.67 ml per revolution
<b>Pumping Options</b>	Pressure or vacuum (reversible flow)
<b>Pump Head Rotor</b>	Cold rolled steel
<b>Warranty</b>	1 year
<b>Basic System Kit</b>	Geopump (as specified), 5 ft. (1.5 m) of tubing, power cord (as specified), field case, and manual
<b>Pump Head (sold separately)</b>	Standard, easy-load®, easy-load II®



**Geopump™ Modular Battery and Charger**



**Geopump™ Tubing Weights**