

Peristaltic Sampling Pumps

Geopump™ Peristaltic Pumps

The Geotech Series I and II Geopump™ Peristaltic Pumps are designed for single and multi-stage pressure or vacuum pumping of liquids. The Geopump is ideally suited for field sample removal from shallow wells and all surface water sources or laboratory use.

FEATURES

- Exceptional field durability
- Operate from 60 to a maximum of 600 RPM
- Delivery rate of 1.67 ml per revolution
- Operate to a depth of 27 feet at sea level
- Variable speed control
- 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 12 VDC or 120 VAC power source.

SERIES I Geopump™ Peristaltic Pumps are available in AC only, DC only, or an 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 an 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 with EZ-load 2 pump head (optional), 5 ft tubing, carrying case and power cord



Geopump™ Peristaltic Pump Series I with EZ-load 2 pump head (optional) and dispos-a-filter capsule

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Geopump™ Peristaltic Pump Specifications

Operating range	Suction from 27 feet at sea level
Principle of operation	Mechanical peristalsis
Dimensions	3.5 x 8 x 8 inches
Power source	Any external 12 V DC or 120 V AC
Power cord	12 V DC adapter cord or standard AC power cord
Power cord length	AC cord: 8 feet; DC cord: 15 feet
Range of speed: Series I	60 to 350 rpm
Range of speed: Series II	First pumping station 30 to 300 rpm second pumping station 60 to 600 rpm
Speed control	Stepless variable speed control
Liquid delivery rate	1.67 ml per revolution
Pumping options	Pressure or vacuum (reversible flow)
Pump head rotor	Cold rolled steel
Warranty	1 year
Basic system kit	Geopump (as specified), 5ft of tubing, power cord (as specified), field case, and manual. Pump head sold separately: standard, easy-load 1, easy-load 2, or quick load.

Accessories

- Quick Load 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 Dispos-a-filter
- Rechargeable battery
- Battery charger
- Optional stainless steel rotor for pump
- Additional power cords
- Carrying case



Geopump™ pump heads (easy-load, standard, quick load) shown with small and large shaft



Geopump™ Modular Battery and Charger



Geopump™ Tubing Weights

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