

# 12 Volt DC Sampling Pump

## Geotech SS Geosub & Controller

The SS Geosub sampling pump is the most versatile single stage DC pump in the industry. Designed with all stainless steel components, the SS Geosub allows you to sample in the harshest well conditions with confidence. The SS Geosub operates with the Geotech SS Geosub Controller.

### FEATURES

- Most versatile pump in the industry, sample from depths to 200'
- Low flow sampling rates to 10 mL/min
- User enabled dry-run protection
- Easy to decontaminate
- Field replaceable motor lead kits available
- Portable reel systems or dedicated well systems available to meet your needs (option)

### SPECIFICATIONS

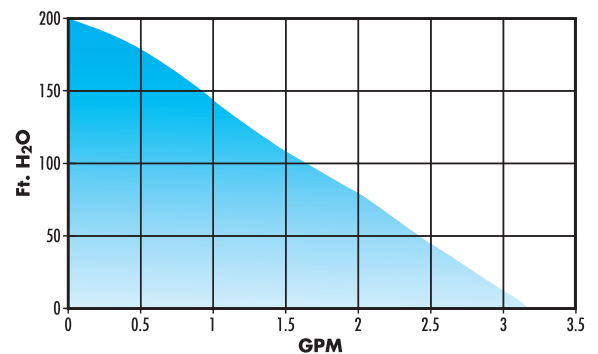
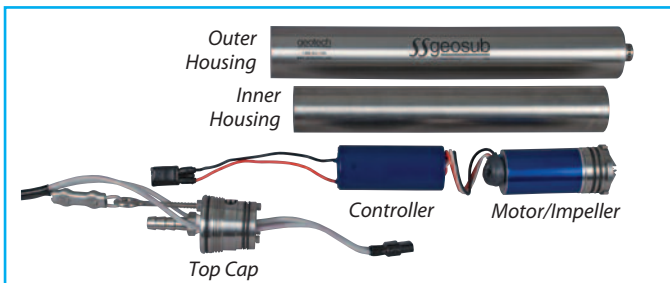
<b>PUMP</b>	<b>Electric:</b>	
	Full Load Rating	2/3 HP
	Maximum Amp Draw	35 amps DC
	Overload	Incorporated into controller
	<b>Discharge Port Connection:</b>	1/4" female NPT (includes 3/8" barb)
	<b>Operating Conditions:</b>	
	Min. Ambient Fluid Temperature	34°F (1°C)
	Max. Ambient Fluid Temperature	80°F (28°C)
	<b>Wetted Parts:</b>	316 Stainless steel, PTFE, Viton®
	<b>Dimensions &amp; Weight (Pump &amp; Motor):</b>	
	Dimensions of Pump	12.2" L x 1.75" OD
	Net Weight of Pump w/o Lead	3.9 lbs.
<b>CABLE</b>	<b>Material:</b>	Two 12 gauge conductors with Tefzel® jacket, and integrated safety cable
	<b>Weight with Georeel &amp; Safety Cable:</b>	
	100' of 12 AWG	18.3 lbs.
	150' of 12 AWG	21.6 lbs.
	200' of 12 AWG	24.9 lbs.



SS Geosub with Geo Reel



SS Geosub & Controller



SS Geosub Performance



The Geotech SS Geosub has Patents Pending.

**CALL GEOTECH TODAY (800) 833-7958**

**Geotech Environmental Equipment, Inc.**

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# Controller for 12 Volt DC Pump

## Geotech SS Geosub Controller

The SS Geosub Controller is designed specifically for use with Geotech's SS Geosub. It provides a safe conditioned variable DC output power from an AC power source. Built-in sensing gives the operator accurate and precise control over the pump during sampling events. An average 1000 Watt gasoline powered generator with 1 gallon of gasoline will operate the SS Geosub Controller and Geotech's sampling pump at full power for 18 hours continuously. Generally much longer runtimes can be expected as the controller is used to reduce water flow for low flow sampling.

### FEATURES

- Converts AC Voltage to variable up to 300 watt DC voltage output
- Short circuit protection for your safety
- Heavy duty rated power cable for years of service
- 2-line x 16-character wide temperature range alpha-numeric digital display
- Push button Up/Down control
- Internal processor saves individual well parameters
- Optional DC to AC Inverter can be connected to a vehicle battery

### OPERATION

An easy-to-use programmable user interface with bright display offers precise control over flow rates during groundwater sampling events. Site specific settings and conditions can easily be stored and recalled for more efficient repeatable sampling events.

Rugged construction and easy to connect cables make setup and portability a breeze. In addition, the controller includes a user setable dry run protection feature.

### SPECIFICATIONS

<b>Input Power Range</b>	108-132 Volts AC 50/60 HZ 310 Watts 2.6 amps nominal full load
	216-264 Volts AC 50/60 HZ 310 Watts 1.3 amps nominal full load
<b>Output Power</b>	Variable 0-46V DC @ <300 Watts
<b>Output Power @ Max. Voltage</b>	10 amps maximum
<b>Operating Temp</b>	-20°F to 100°F (ambient air temp.)
<b>Humidity</b>	Up to 90% humidity
<b>Weight of Unit</b>	16.45 lbs.
<b>Size of Unit</b>	16" L x 13" W x 7" H
<b>Input Protection</b>	10 amps circuit breaker ON/OFF switch



Geotech SS Geosub Controller



Optional Geotech DC to AC Inverter

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