

# Electrical Submersible Pump Controller

## Geotech Variable Frequency Drive

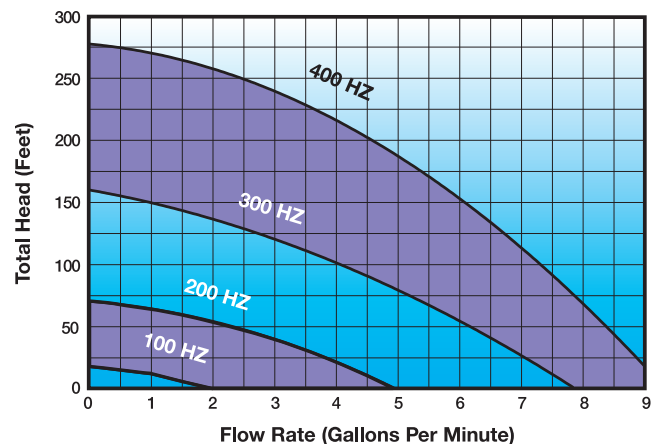
The Geotech Variable Frequency Drive (VFD) is designed to operate and protect the Redi-Flo2® pump. With the turn of a knob, an operator can precisely control the discharge flow rate from the pump from 8 GPM (30 LPM) to 100 milliliters per minute, to depths down to 280 feet (85m).

### FEATURES

- Precise Flow Control**  
 Turn the knob or use the push button control for greater control over the discharge flow rate for better accuracy and precision during sampling.
- Wide Performance Range**  
 Not just one performance curve, the Geotech VFD covers a range of performances and can function at any point of operation within that range.
- Choose Input Power**  
 Either 120V or 230V, single-phase AC input power is available.
- NEMA 4x Enclosure**  
 The NEMA 4x enclosure is designed for outdoor duty and is resistant to damage as a result of incidental exposure to rain. Designed for wash down applications.
- Optimized Volts/Frequency Pattern**  
 The Geotech VFD V/Hz pattern is specially optimized to allow the most efficient operation of the Redi-Flo2® variable performance pump.
- Motor Protection**  
 The Geotech VFD will protect the Redi-Flo2® Variable Performance Pump from adverse motor conditions such as, over- and under-voltage, over-current, and groundfault.



### PERFORMANCE



Performance Curve for the Redi-Flo2®

**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

# Electrical Submersible Pump Controller



## Geotech Variable Frequency Drive

### SPECIFICATIONS

#### Electrical

Input (115V model)	115V(±10%)/1PH/48-62Hz/23A
Input (230V model)	230V(±10%)/1PH/48-62Hz/23A
Output	1.1kW/400Hz/220V/3PH/5.5A
Acceleration Time (preset)	0 to 400Hz, 5 seconds
Deceleration Time (preset)	0 to 400Hz, 5 seconds
Recommended Input Protection (115V)	Fuse, 600V, 35A, Fast Acting, UL Class CC or J
Recommended Input Protection (230V)	Fuse, 600V, 25A, Fast Acting, UL Class CC or J
Power Cord	18AWG, 300V, 6 ft.
Minimum/Maximum Frequency	1Hz/400Hz

#### Dimensions and Weight

Dimensions (L x W x D):		
	Protective Case	19.2" x 15.2" x 9.0" (49 x 39 x 23cm)
	VFD Only	10.12" x 7.40" x 7.34" (26 x 19 x 19cm)
Weight:		
	VFD, Cords and Case	19.2 lbs. (8.7kg)
	VFD Only	9.26 lbs. (4.2kg)

#### Operations Conditions

Ambient Temperature	-10–40°C (14–104°F)
---------------------	---------------------

#### Storage Conditions

Ambient Temperature	-40–60°C (-40–140°F)
Maximum Humidity	95%, non-condensing

#### Protective Case Construction

Case	Lightweight, Strong HPX® Resin
------	--------------------------------

#### Options

Models:	120V Input 230V Input
---------	--------------------------

#### Minimum Generator Size (Redi-Flo2®)

For Generators With Voltage Regulation	(2000 RF2) Watts at 115/230 VAC, single phase
For Generators Without Voltage Regulation	(5000 RF2) Watts at 115/230 VAC, single phase
Recommended For Optimal Performance	(3000 RF2) Watts at 115/230 VAC, single phase w/voltage regulation

**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