

Electrical Submersible Pump Controller



Grundfos Redi-Flo Variable Frequency Drive

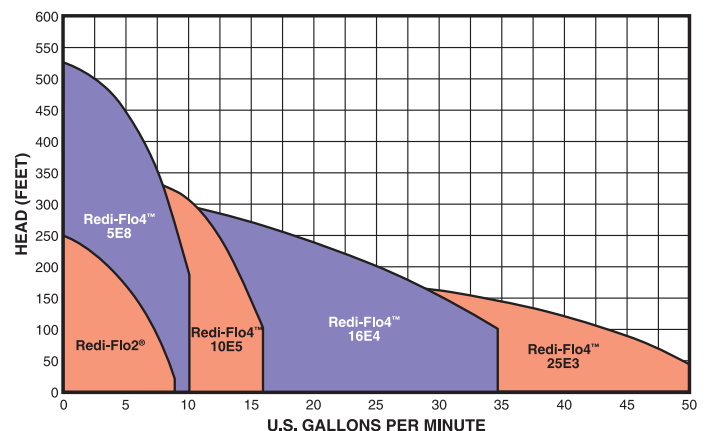
The Redi-Flo Variable Frequency Drive (VFD) is designed to operate and protect the Redi-Flo2® and the Redi-Flo4™ Variable Performance Pumps. With the push of a button, an operator can precisely control the discharge flow rate from the pump from 50 GPM (189 LPM) to 100 milliliters per minute, to depths down to 524 feet (160m).

FEATURES

- **Precise Flow Control**
The push button control pad provides greater control over the discharge flow rate for better accuracy and precision during sampling.
- **Wide Performance Range**
Not just one performance curve, the Redi-Flo VFD covers a range of performances and can function at any point of operation within that range.
- **Dual Input Power Capability**
Either 120V or 230V, single-phase AC input power is accommodated simply by changing the power cord terminations.
- **Dual Functionality**
Easily switched to operate either the Redi-Flo2® or the Redi-Flo4™ Variable Performance Pumps.
- **NEMA 4R Enclosure**
The NEMA 4R enclosure is designed for outdoor duty and is resistant to damage as a result of incidental exposure to rain.
- **Optimized Volts/Frequency Pattern**
The Redi-Flo VFD V/Hz pattern is specially optimized to allow the most efficient operation of Redi-Flo2® and Redi-Flo4™ variable performance pumps.
- **Motor Protection**
The Redi-Flo VFD will protect the Redi-Flo Variable Performance Pumps from adverse motor conditions such as, over- and under-voltage, over-current, and groundfault.



VFD shown with the Redi-Flo2® and Redi-Flo4™



Performance Curve for the Redi-Flo2® and Redi-Flo4™

CALL GEOTECH TODAY (800) 833-7958

Geotech Environmental Equipment, Inc.

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SPECIFICATIONS

Electric

Input	115V± 10%/1 PH/48-62 Hz/23A 230V± 10%/1PH/48-62 Hz/23A
Output with 115V Input	1.5 kw/400 Hz/220V/3 PH/6.0A (RF2) 1.5 kw/80 Hz/230V/3 PH/6.5A (RF4)
Output with 230V Input	1.5 kw/400 Hz/220V/ 3 PH/6.0A (RF2) 1.5 kw/100 Hz/230V/ 3 PH/8.2A (RF4)
Acceleration Time (factory preset)	0 to 400 Hz: 3 seconds (RF2) 0 to 100 Hz: 3 seconds (RF4)
Deceleration Time (factory preset)	400 to 0 Hz: 0 seconds (RF2) 100 to 0 Hz: 0 seconds (RF4)
Recommended Input Protection (115V)	Fuse, 1 each, 250V, 25A, UL Class RK1 or circuit breaker, 25A/300V/1P
Recommended Input Protection (230V)	Fuse, 2 each, 250V, 25A, UL Class RK1 or circuit breaker, 25A/300V/2P
Power Cord	SJOW, 14 AWG, 10' (3m) long
Minimum Frequency (factory preset)	115 or 230V 25 Hz
Maximum Frequency (factory preset)	115 or 230V 400 Hz (RF2) 115V 80Hz* (RF4) 230V 100 Hz (RF4) *Auto Frequency Limiting

Dimensions & Weight

Dimensions	Protective Case – 17¾" L x 12½" W x 8" H (45cm L x 32cm W x 20cm H) VFD only – 13" L x 7¾" W x 7" H (33cm L x 20cm W x 18cm H)
Net Shipping Weight (VFD, Cord & Case)	35 lbs. (16 kg) VFD only – 18 lbs. (8 kg)

Operating Conditions VFD Only

Ambient Temperature	14°F to 104°F (-10°C to 40°C)
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Storage Conditions

Ambient Temperature	-22°F to 149°F (-30°C to 65°C)
Relative Humidity	100%, Condensing

Protective Case Construction

Case	High impact polyethylene
Trim	Aluminum
Lock	Cast drawbolt

Minimum Generator Size: (Redi-Flo2®/Redi-Flo4™)

For Generators With Voltage Regulation	(2500 RF2/3400 RF4) Watts at 115/230 VAC, single phase
For Generators Without Voltage Regulation	(5000 RF2/6700 RF4) Watts at 115/230 VAC, single phase
Recommended For Optimal Performance	(4000 RF2/5400 RF4) Watts at 115/230 VAC, single phase w/voltage regulation

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