

RV CONTROLLER

FOR ROTARY PUMPS

Intelligent vector driven speed control.

Designed for simplicity and comprehensive metering and dosing control, the Pulsafeeder RV Controller is the solution to reliably start, stop, and continuously pump fluids at a wide range of pressures and flows, including high viscosity applications. The intuitive HMI touchscreen and multiple I/O connections provide for easy start up and diagnostic capabilities, all protected with a NEMA Type 4X rated enclosure.



Pumps

gear and peristaltic



Power

HP: 0.5 hp (0.33 kW) to 5 hp (3.7 kW)

Voltages: 120-240 VAC single phase,
200-460 VAC three phase (50/60 Hz)



Ambient temperature

operate up to 104°F (40°C)

store up to 140°F (60°C)

Inputs/Outputs

Analog I/O

- 4-20 mA and 0-20mA reference signal

Digital I/O

- Menu selectable for pump and system monitoring and notification

User friendly HMI touchscreen

- 3.5" backlit LED color touchscreen LCD
- Visual pump status of running or faulted/alarm
- Start/stop, auto/manual, increase/decrease, jog
- Calibration sequencing, speed and flow monitoring
- Multiple user access levels

Diagnostics

- PULSAGuard
- Maintenance warning system
- Event/Alarm tracking log
- Pump performance diagnostics screen
- PID feedback
- Flow detection

FEATURES & BENEFITS

- Displays pump output in flow and speed
- Rigorously tested to handle maximum loading in various environmental conditions
- UL 508a and cUL approved
- Wet or dry flow calibration routine
- Security code to lock out unauthorized users
- Pump and motor settings stored
- Highly visible flashing alarm screen
- Overvoltage protection

SPECIFICATIONS

Input/Output	Two Analog: 4-20 mA or 0-20 mA Four Digital: 6 A at 250 VAC each
Temperature range	32°F to 104°F (0°C to 40°C) operating, 0°F to 140°F (-18°C to 60°C) storage
Certifications	NEMA Type 4X, UL 508a, cUL
Enclosure	Molded fiberglass polyester
Turndown	10:1*

*Consult factory for applications greater than 10:1
See Selection table for Horsepower and Input Voltage

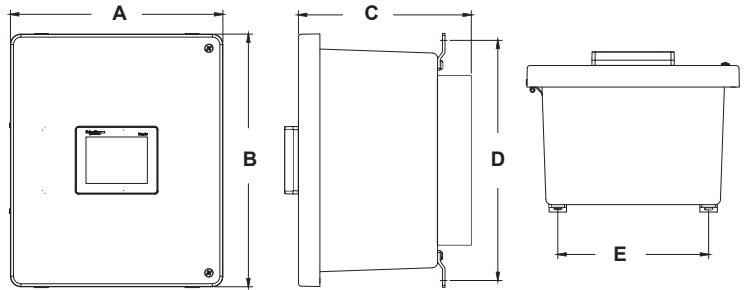
SELECTION

Position	Code	Description	Specifications
1 & 2	RV	Model	Rotary Vector Controller
3	H	HMI Version	NEMA Type 4X with touchscreen

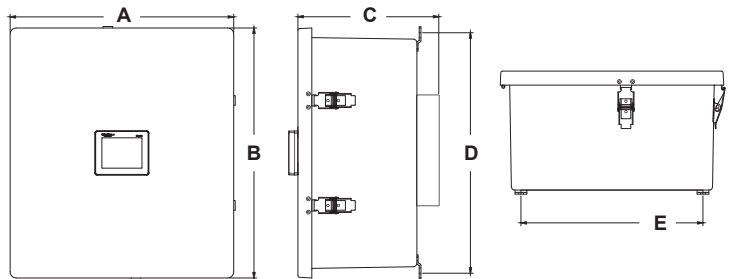
Position	Code	Horsepower	Input Voltage	Phase
	A	up to 0.5 HP (0.33 kW)	120 VAC, 50/60 Hz	1
	B	up to 0.5 HP (0.33 kW)	200-240 VAC, 50/60 Hz	1
	C	3/4 HP (0.5 kW)		
	D	1 HP (0.75 kW)		
4	E	up to 0.5 HP (0.33 kW)	200-240 VAC, 50/60 Hz	3
	F	1 HP (0.75 kW)		
	G	2 HP (1.5 kW)		
	H	3 HP (2.2 kW)		
	J	5 HP (3.7 kW)		
	M	1 HP (0.75 kW)	380-500 VAC, 50/60 Hz	3
	P	2 HP (1.5 kW)		
	Q	3 HP (2.2 kW)		
R	5 HP (3.7 kW)			

Position	Code	Description	Specifications
5	X	Language	English

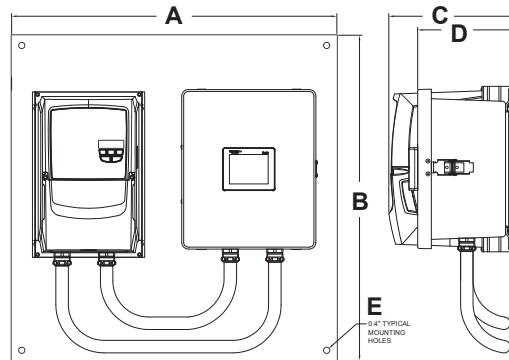
DIMENSIONS



A - B



C - F



G - R

DIMENSIONS (IN / MM)

Position 4 Code	A	B	C	D	E
A - B	9.9 / 251	11.8 / 299	8.1 / 205	11.2 / 284	7.0 / 178
C - F	16.0 / 406	17.9 / 454	10.1 / 256	17.2 / 437	13.0 / 330
G - R	24.0 / 610	24.0 / 610	9.5 / 240 MAX	7.3 / 186	.4 / 10 TYP

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Pulsafeeder is an ISO 9001 Certified Company.