

Red Jacket® IQ Control Box

Red Jacket solutions that keep you up and running

The **Red Jacket IQ Control Box** provides operators protection against downtime and is a more reliable alternative, to ensure maximum fuel flow during peak fueling times, than variable speed technology. The Red Jacket IQ Control Box is a submersible turbine pump interface that improves the longevity of the submersible pump motor. It is engineered to provide protection from dry-run conditions, locked rotor and site voltage fluctuations. It cuts downtime and boosts bottom-line profits by warning site personnel of conditions impacting the ability to fuel. The Red Jacket IQ Control Box stages multiple pumps based on site fuel demand to meet flow requirements, provide seamless backup and extend motor life.



► **Smart. Dependable. Proven.**

Enjoy the assurance that your site is under control.

- Allows for demand-based staging of multiple pumps to control fuel flow based on changing fuel demand.
- Automatically resets after dry run condition when fuel is added to the tank to minimize downtime.
- Protects wiring and controls from locked rotor or high current.
- Warns site personnel of conditions impacting the ability to fuel.
- Monitors site power conditions to ensure long motor life and uninterrupted fueling.



The Red Jacket IQ Control Box interfaces with all Veeder-Root Red Jacket Pumps equipped with or without Pressurized Line Leak Detection (PLLD).

“I need system control that helps ensure my fueling operation is never interrupted.”

The IQ Control Box monitors motor phase shift as well as voltage and current to protect your system even if the voltage at the site changes.

► **Easy installation and interoperability among controllers and motors.**

- Readily interfaces with Red Jacket's ISOTROL™ 1-8 isolation system.
- Easy to set jumper switches control operational parameters.
- Single, multi-colored LED readout signals warning and shutdown conditions.
- Single press and hold button for easy calibration. No need to lift dispenser handle to activate the pump for calibration.
- Durable 30-amp power relay is socket installed for easy service and repair. Service life is rated over one million cycles.
- Easy-to-use wiring terminal with familiar labeling.
- Sized for easy retrofit installations.

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Specifications

Dimensions

Type 1 enclosure, 6" x 6" x 4"

Handle Voltage

115 V or 230 V

Power Relay

30-amp 250 VAC 50 or 60 Hz DPST, 2HP

Terminal Lug

Size 10-16 AWG wire

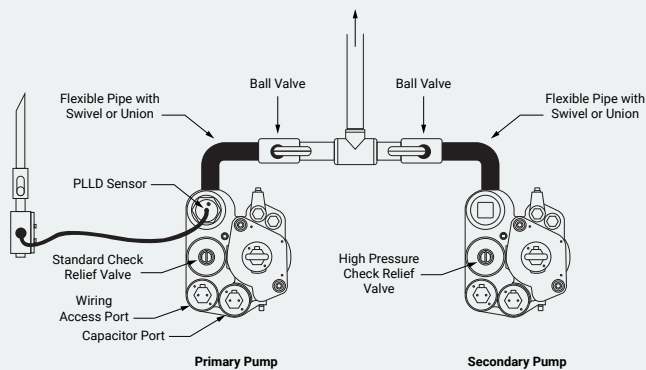
Alarms

Hard fault	Dry run	Over current
Soft fault	Low line voltage	Bypass mode
	Low AC current	Uncalibrated device
	Network/communication	Extended run

Optimize Flow. Maximize Profits.

When using a manifolded system, 2 pumps provide optimum flow and assurance that you have backup when you need it.

Veeder-Root's focus is to keep you pumping and serving customers. The Red Jacket IQ Control Box was developed with a proprietary RS-485, optically isolated network communication. This ensures multiple motor systems are always working together to deliver the performance you expect. Your customers are assured of uninterrupted flow; you are assured of uninterrupted bottom line profits.



Manifolded systems provide up to 2X the flow rate and improved uptime. Manifolded systems can be configured in sumps 42" in diameter or greater.

"I want on-site protection from conditions impacting normal fueling operation."

The IQ Control Box provides motor protection from dry run conditions and warns site personnel of conditions impacting the ability to fuel.



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