

# LiquiLift III™ Electronic Controller



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## **LiquiLift™ III Electronic Controller**

The LiquiLift™ III electronic controller from Ferguson Beauregard™ is the latest in the LiquiLift™ series. Widely recognized for electronic controllers for plunger-lift and gas-lift applications, Ferguson Beauregard™ has introduced the new LiquiLift™ III.

The LiquiLift™ III's menu-driven operation makes it easy to operate and gives it tremendous flexibility in its operation. The menu structure includes the ability to operate a well under a number of conditions. It can be used as a single, dual, or triple valve

plunger-lift controller. It can be used as a gas-lift controller with either one or two valves. It can be used as an intermitter for a simple timing application, and it can be used as a 4-valve pig-lift controller.

Housed in an all-steel enclosure and utilizing DC voltage with a rechargeable battery and solar panel, this controller can be remotely mounted at a wellhead in the most extreme environmental conditions. Its modular construction allows ease of replacement and upgrades.

## **Features**

- Plunger Counter
- Cycle Counter
- Battery voltage level
- Cumulative cycle data
- Rechargeable battery with solar panel
- Steel enclosure
- Modular construction
- State-of-the-art electronics
- Menu-driven operation
- Multiple-valve operation
- One chip, multiple operations
- Oilfield rugged

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## Specifications

- Microchip PIC16C77 based design
- Data retention via EEPROM
- 25-key membrane switch with 4x20 LCD display
- Field wiring connections via pluggable terminal blocks

### Pneumatic Output

- One pneumatic magnetically latching solenoid valve included
- 40 psi maximum input pressure

### Ratings

- Class 1 Division 1 Group D hazardous locations by CSA

### Operating Temperature Range

- -40°C to + 60°C
- -20°C to + 60°C for LCD display

## Power Usage

### Power Supply

- 4 alkaline D-Cell batteries in 6-volt configuration
- Optional 1-watt solar panel with 6-volt rechargeable gel cell battery rated 4.5 Amp Hour
- Temperature compensated battery charging

### Quiescent Mode Current

- 500 microamps or 0.500 milliamps (during sleep cycle)

### Valve Open or Close Pulse

- Typically 0.8 amps for ¼ second

### Keypad/LCD Active

- 3.5 milliamps until next sleep cycle

## Mechanical

### Box Description

- Painted Steel, Lockable, Weatherproof
- Stainless Steel option available

### Box Dimensions

- 8.25" Wide X 8.25" High X 4" Deep

### Weight

- 9 lbs



Contact us today to learn how LiquiLift™ technology can help improve your production performance. Visit our website or email us at: [staff@fbdover.com](mailto:staff@fbdover.com)