



Designed to meet the specific needs of gas producers, New Intelligence (Ni) by Ferguson Beaugard is a family of integrated products intended to remove the hassle from production operations. From intelligent wellhead control and precise electronic flow meters to a full-featured SCADA host, Ni can enhance production and provide a quicker return on your investment.

## AutoCycle™ Controller

Ideal for use with conventional plunger lift but also has additional control modes including gas assist plunger lift, annular flow and PECL control capabilities. Excellent for use in plunger lift wells with packers or wells that have fluctuating line pressure.

### Features

Uses AutoCycle algorithm to monitor plunger performance and automatically adjust time settings every cycle if needed. Operating on DC current with rechargeable battery and solar panel, the AutoCycle controller can be used in even the most remote and rugged locations. The AutoCycle controller is CSA approved and rated for Class I, Div I installation.

### Benefits/Advantages

The AutoCycle controller, with its multiple valve and control mode options, is excellent for all plunger lift applications. With the AutoCycle algorithm monitoring the plunger velocity, the controller automatically changes its own operating cycles should the plunger begin to travel outside an acceptable range. This monitoring takes place every cycle, 24 hours a day, 7 days a week. The AutoCycle controller is another low-cost, efficient method of increasing and optimizing production in oil and gas wells. Please contact us to discuss how we can assist with your requirements for plunger lift and production automation. Our suite of integrated products are designed to remove the hassle from production operations with a quicker payout over competing products.



### Features

- AutoCycle algorithm
- Easy to use menu-driven operation
- Multiple valve operation
- Multiple control modes
- Rechargeable battery with solar panel

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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

- 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



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