

Overview

The LFC Lighted Flow Cell is engineered to provide the optimal conditions for BECSys pH, ORP, CP-1 Free Chlorine and temperature sensors. This flow cell includes an innovative backlighting feature, which enhances the ability for operators to inspect all sensors installed in the flow cell.

An integral flow switch is incorporated in the LFC; “No Flow” conditions are indicated with red LEDs in the flow switch chamber. With this feature an operator will be able to quickly identify No Flow conditions, even from a significant distance from the controller and flow cell.

A sample stream kit is included with the LFC (when ordered with BECSys controller) that includes isolation valves, as well as a bypass line. The bypass line allows a high flow path in parallel with the LFC flow cell. In the configuration with the CP-1 port, a needle valve and acrylic flowmeter are included for ease of setting the flow rate through the flow cell for optimal bead circulation and stable flow within the CP-1 chamber. Chlorine sensors, including the CP-1, are dependent upon stable flow.



Lighted Flow Cell with CP-1 sensor, showing No Flow condition

The LFC connects and is powered via the standard low voltage BECSys flow switch interface; no additional electrical power supply is required. Electronics for flow switch circuitry and lighting LEDs are installed inside sealed compartments in the back of the LFC flow cell; there are no water paths to these electronics compartments.

CP-1 port is hinged for ease of service; loosen two bolts from the right-hand side of flow cell to remove CP-1 port. The LFC is also available without the CP-1 sensor port, which can easily be added in the field at a later date with the CP-1 sensor.

The LFC Lighted Flow Cell comes with a 1 year warranty.

Features

- ✓ Backlit for easy inspection of sensors
- ✓ Integrated sample stream flow switch
- ✓ No Flow condition indicated with red LEDs
- ✓ Available with or without CP-1 port
- ✓ CP-1 port separates easily for service



