

LIQ 5 FLOWSOFT Feature



Excellence in Controls
and System Integration.

The LIQ 5 Programmable Controller is available with a software option that Tesco Controls, Inc. developed in order to calculate flow based upon a mathematical analysis of the wet well analog level input over time. The inflow is calculated based upon the rate of rise in a known sump size with no pumps running. When a pump is called, it is assumed that for a period of time (e.g. 10 seconds) the inflow does not significantly change. After the pump has established a constant flow rate, the rate of change within the sump (either rise or fall) is calculated and the pumping rate is determined. The inflow and the pumping rate are based upon a running average of flows calculation.

Flow totalization is provided using a number of storage registers and is provided for standard time intervals such as hourly, daily, weekly, monthly, and annually as well as batch flow periods which may be triggered by the operator. A non-resettable totalizer is provided for security.

Deviation setpoints may be employed, which will compare each pump's original capacity to the current calculated capacity and alarms may be generated based upon those definable deviations.

FEATURES

- Immediate access to inflow and pumping rates
- User defined deviation setpoints
- Excessive deviation alarm
- Pump performance monitoring
- Flow totalizers

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