

# EPCON RC

## Reject control system

### APPLICATIONS

- Monitoring and control of produced water reject and waste stream

### BENEFITS

- Automatically and continuously controls reject and waste flow generation
- Minimizes reject flow rate
- Reduces HSE risks
- Minimizes environmental impact
- Saves costs

### FEATURES

- Online reject flow monitoring system
- Integration with EPCON Logic\* real-time produced water optimization system
- Lower reject and waste stream
- Independent of flow rate and other process conditions

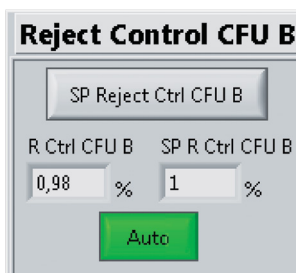
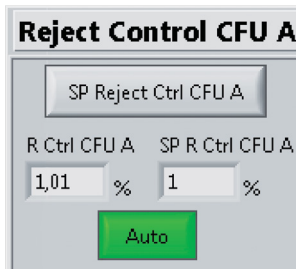
The reject and waste flows from the various types of separation equipment used in produced water management pose operational and economic challenges for operators. Often, these flows are either recirculated into the separation process or stored locally, which requires transportation to shore for additional and cost-intensive treatment. Recirculation limits overall production capacity, and the accumulation of the waste lowers the efficiency of the produced water equipment.

The EPCON RC\* reject control system monitors and controls the reject stream from EPCON CFU\* compact flotation unit technology, optimizing the reject and waste flow.

Historically, the tuning process of EPCON CFU technology—as with most produced water separation equipment—relied on visual observations, which rendered cost-effective monitoring of the multiphase slugging reject flow extremely difficult. With the RC system, operators have a precise and automatic technology for measuring slugging multiphase reject flow.

### Accurate quantification of reject control

The RC system is an integrated component of EPCON LOGIC real-time produced water optimization system and can also be used separately as an online monitoring tool to precisely quantify reject flow, optimize the cleaning process, and minimize the reject stream. This allows automatically running the system with a predefined reject ratio, regardless of any other process conditions that normally affect the reject rate, such as produced water flow rate, process pressure, and flotation gas flow rate. The system also eliminates the misjudgments and errors that often accompany visual observation. Because personnel are removed from the sample points, it removes the risks of exposure to gas fumes, effectively reducing health hazards as well as personnel requirements.



*EPCON RC system enables remote monitoring and control of reject flow.*