

Automated batch treatment system

Improving efficiency and safety

North America oil and gas production is made up of many thousands of wells often situated in remote and difficult to reach locations. When chemical batch treatments are required, the traditional method is to apply the chemical from a treater truck.

This relies on truck deliveries on a regular basis, no matter what the weather or driving conditions. It can often be driver intensive with inherent health, safety, and environment (HSE) risks due to work at the well site and miles driven on the roads. Missed or late visits can potentially lead to inconsistent treatment and potential for operational problems.

New approach to batch treatment

Wouldn't it be good if the reliability of batch treatments could be improved whilst also reducing driver time on site and HSE risk? The new Baker Hughes smart batch treatment system offers just that.

The new system employs the latest digital technology to automatically dose chemical accurately to the well or pipeline for specified periods. Single or multiple batch treatments can be

configured. Journeys to the well site are reduced as well as miles driven and carbon emissions.

Changes to treatment rates can be made accurately in real time as and when needed. This smart batch treatment solution can be used on any type of production well—Rod, electric submersible pump (ESP) and progressive cavity pump (PCP). There are also different treatment options available including the ability to allow 100 to 0 per cent water flush to chemical ratio during injection cycles.



Smart batch treatment installation

Applications

- Onshore
- Oil and gas production wells

Benefits

- Increased efficiencies in chemical usage and batch treatment frequency
- Real-time, flexible program management
- Lower carbon emissions due to lower delivery vehicle usage
- Reduced HSE risks – less frequent visits/work on site and delivery miles

Flexible delivery system

The equipment can be designed to meet customer well requirements as needed and can be configured to both AC and DC power supplies. The controller is a modular design and contains proprietary Baker Hughes logic. It is fully integrated with **SENTRYNET™ remote tank monitoring** and allows real-time data transfer. It's not a problem if you want to use your existing pumps. Equipment can be retrofitted regardless of manufacturer and model.

A more efficient way to treat

Baker Hughes smart treatment systems provide a step forward in chemical batch applications. It can replace current truck treating and provides a more efficient and safer way to treat your well systems.



Field installation