

Auto-Gas Lift Interval Control Valve

Enhance Production in Wells Requiring Gas Lift

The Auto-Gas Lift interval control valve (ICV) is based on the WellDynamics' HS-ICV designed primarily for SmartWell® system intelligent completion technology.

The Auto-Gas Lift ICV enables control of a gas cap to enhance the production from a deeper oil zone. The amount of gas required to lift the hydrocarbons being produced can be regulated by a choke trim in the valve specifically designed for this application and is remotely controlled from surface. The eight-position flow trim allows for optimization of the gas cap being controlled.

Benefits

- Reduce surface facilities and cost compared with traditional artificial lift methods
- Production can be optimized with changing reservoir conditions without the requirement for well intervention or workover

Features

- Proprietary, debris-tolerant, metal-to-metal seal
- Customizable gas flow trim
- Directional check valve
- Advanced reservoir management with the Accu-Pulse™ module

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Hydraulically actuated, the Auto-Gas Lift ICV is operated remotely from surface using WellDynamics reliable Direct Hydraulics or Digital Hydraulics™ downhole control systems. The premium thermoplastic hydraulic chamber seals are designed to operate under high actuation pressures and over temperatures ranging from 40° F (4° C) to 330° F (165° C).



Auto-Gas Lift ICV

The Auto-Gas Lift ICV has been designed and tested such that the flow trim will ensure complete metal-to-metal seal integrity even when exposed to heavy wellbore debris.

The valve is compatible with all WellDynamics' control systems.

For more information on any of the details featured here, please email us at welldynamics@halliburton.com.

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