Weatherford®

CHANGING WELL CONDITIONS?

RESPOND IN MINUTES.

Unlock Peak Production Performance with the AMP™ All-Electric Interval Control Valve

What if you could have the simplicity and speed of an electric ICV and the robustness of a hydraulically actuated valve? With the Weatherford AMP all-electric interval control valve (e-ICV) you can. By removing almost all the usual downhole electronics, the AMP e-ICV is a fast, robust ICV that allows you to control production or injection precisely and selectively. The compact control panel reduces the space needed on surface significantly, while its low power consumption offers the choice to use solar power.

Precise Flow Control

The AMP e-ICV goes beyond simple on/off design, offering the precision of up to eight choke positions. A simplified valve position measurement gives you position feedback at surface. You can actuate the valve to deliver a rapid and flexible response to changing well conditions in a matter of minutes. Unlike conventional hydraulically actuated ICVs, which can take between 30 minutes and 12 hours to change position, the AMP e-ICV can move between choke positions in minutes. This fast response gives you greater control and maximizes well productivity.

MONITOR
VALVE HEALTH
FOR THE LIFE OF THE WELL

The valve features Integrated quartz or optical instrumentation. By keeping an eye on down-hole conditions, you gain a better understanding of reservoir performance, and shorten reaction times.

Robust Design

Designed for dry-tree completions and qualified to API 19ICV, each valve has its own electrical conductor within a shared ¼" TEC that electrically isolates each valve from all other valves. Tungsten carbide nozzles give high resistance to the erosion caused by the flow needed for the ideal injection/production rates. The included mechanical override system allows conventional shifting tools to move the valve with low force for all override needs—eradicating the risk of hydraulic lock or fluid-friction effects. The AMP e-ICV is designed to be debris tolerant. Its dual-motor ball-screw actuator allows for high shifting forces to overcome scale and debris buildup.

Optimized Surface Footprint

A compact surface control panel substantially reduces required platform space, while controlling multiple AMP e-ICVs across multiple wells. The control panel is fully SCADA compatible and allows you to observe and control wells remotely from almost anywhere. With no need for hydraulic support systems, the AMP valve's control panel has reduced power consumption and features the option to be solar powered, making it ideal for installations in remote locations. The significantly smaller surface footprint and lower power requirements improve both your CAPEX and OPEX to make the AMP e-ICV an affordable choice.

Transform Your Well Performance

Maximize productivity and efficiency while eliminating intervention. Discover the transformative power of the AMP e-ICV for your wells. Get in touch to explore the possibilities.

VISIT THE WEBSITE

weatherford.com/AMP

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