

Gas AICV® - Autonomous Inflow Control Valve

Gas reservoirs are a key source of clean, reliable, and transportable energy. These reservoirs also face formidable challenges with unwanted water production. Water breakthrough reduces the gas production rate and recovery, and in many cases causing the well to be shut in prematurely.

Enabling gas wells to maintain reliable, stable production and high recovery rates requires focusing on the source of both the opportunity and the challenge: the reservoir. Understanding how to manage the unwanted water production from the reservoir is critical to maximize gas production, minimize downtime, and improve profitability.

Features & Benefits

Autonomous: Functions autonomously to incoming fluid properties; designed to regulate unwanted water

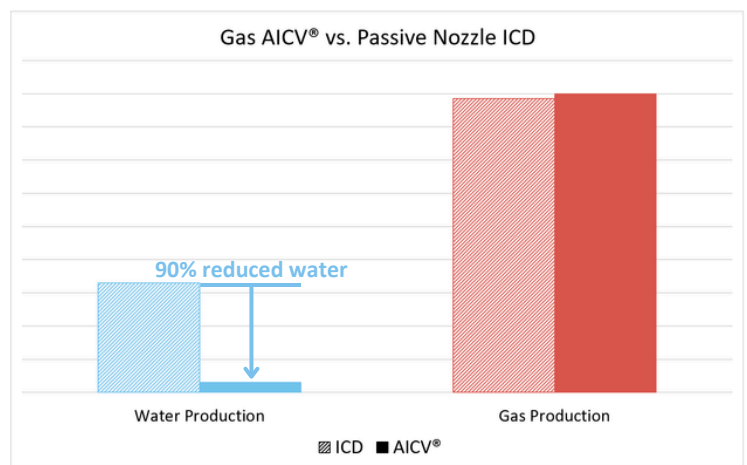
Improved Reservoir Management: Gas AICV® prolongs the life of the well by reducing the water cut, increasing uptime of gas production and recovery

Customizable Design: Designed across various parameters to suit each reservoirs needs

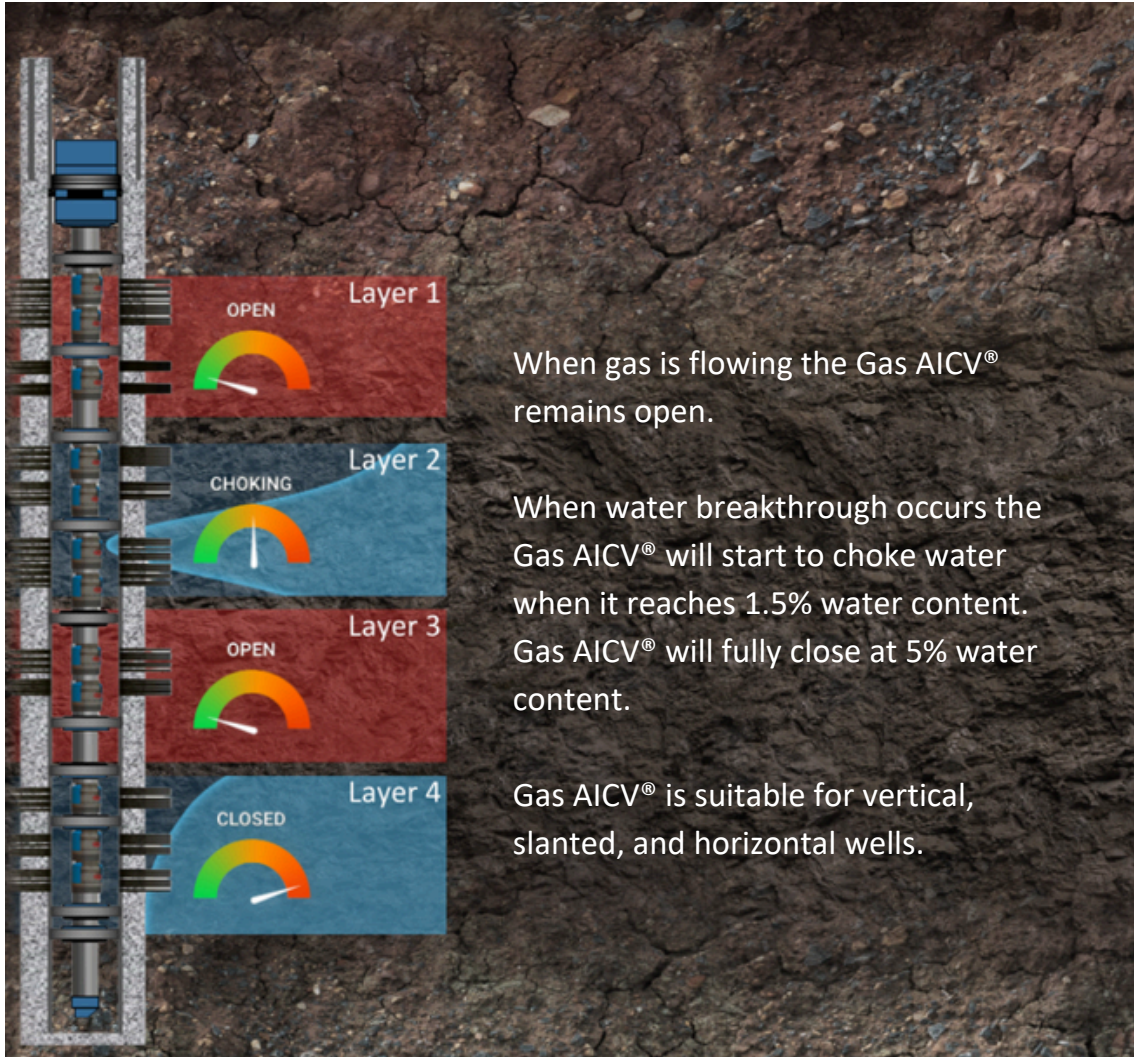
Retrofittable: Can be installed in new and existing wells

Cost Effective: Reduce OPEX costs by controlling water production autonomously and minimizing down time

Simplified Design: Zero control lines to surface or electronics



90%
Less Unwanted Water



Gas AICV® Size [in]	2 7/8	3 1/2	4 1/2	5 1/2	6 5/8	7
Max OD [in]	4.30	4.650	5.600	6.600	7.800	8.175
Length	R2, R3, or custom length					
Materials	Screen: 304L, 316L, or Alloy 825 Basepipe: According to customer specification/requirements AICV®: 22Cr Duplex or Alloy 625. Tungsten carbide wear parts					
Pressure	Max differential pressure 103 bar / 1500 psi					
Temperature	Max temperature 150°C / 302°F					