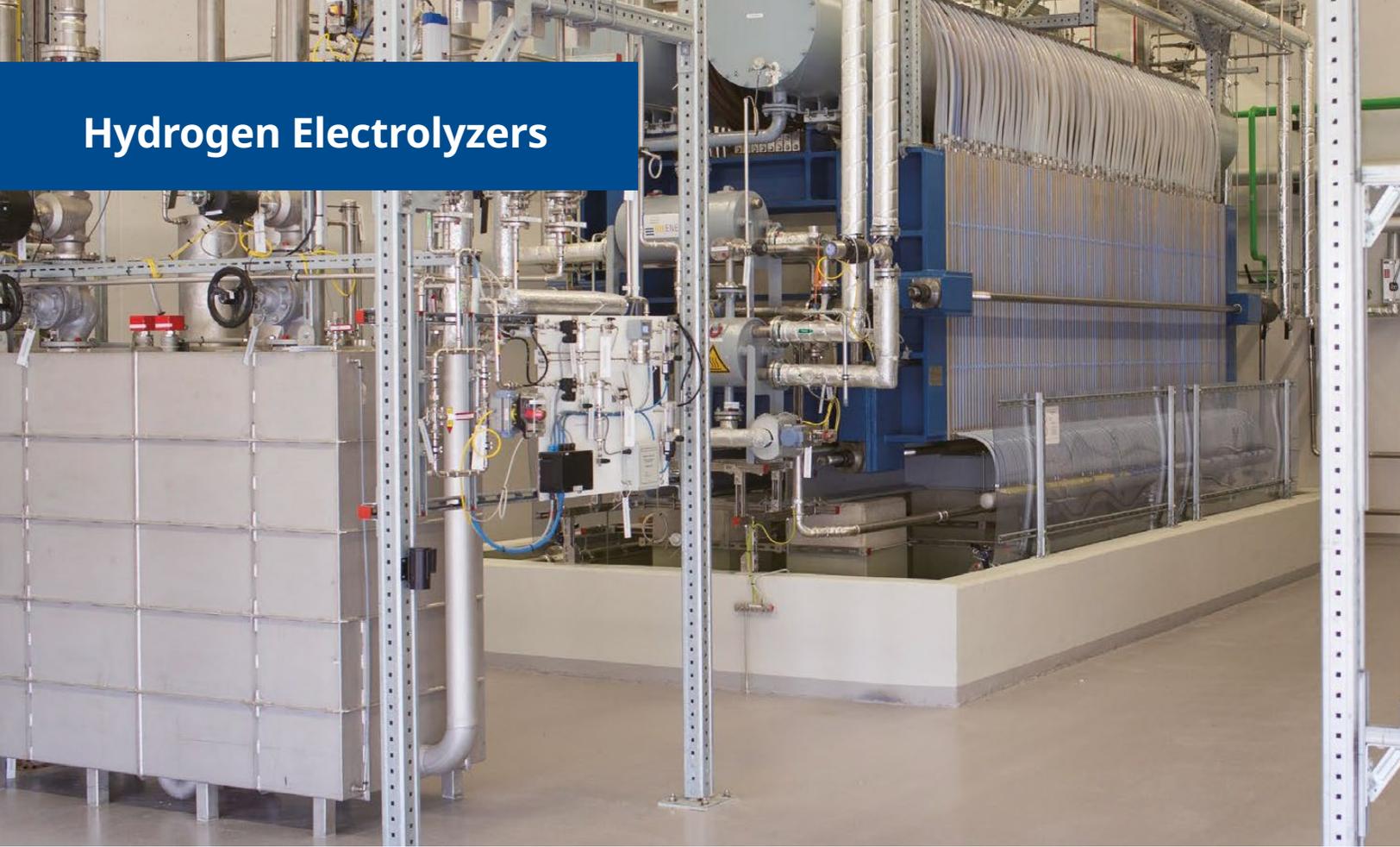


# Hydrogen Electrolyzers



**FISHER™**

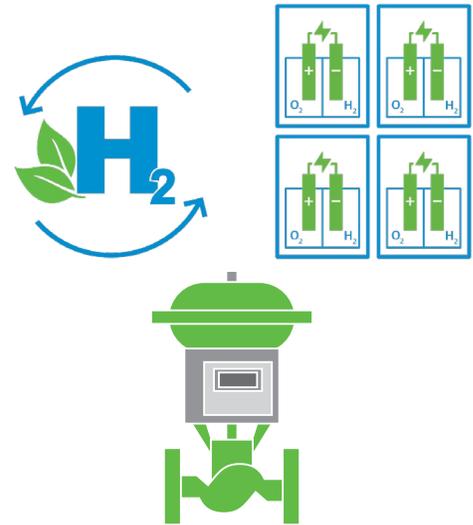
**Fisher™ control valves facilitate efficient electrolyzer designs to meet the demand for increasing hydrogen production.**

## Challenges

Electrolyzer designs must support the demand for expanded hydrogen production capacity and reduced costs, while still meeting the latest industry and regulatory standards to maximize safety and ensure desired purity.

Developing optimized hydrogen production systems that maximize output and conversion requires greater expertise to leverage emerging gas and liquid hydrogen technology and design best practices.

To ensure electrolyzer safety and optimal efficiency, it's important to maintain high levels of water purity to promote membrane and alkaline life. In addition, oxygen valves must be properly cleaned to ensure safe system operation.



*Scaled and lower cost production is essential for the transition to green hydrogen. Emerson's Fisher control valves enhance efficiency, reliability, and safety in electrolyzer processes.*



# Emerson Solutions - Enhance Electrolyzer Safety, Efficiency, and Reliability

Demand for green hydrogen is growing rapidly, with OEMs asked to develop electrolyzers for scaled production at affordable costs. Partnering with Emerson, an expert supplier of innovative solutions, provides a pathway to optimize design. Emerson's extensive range of Fisher flow control technology has been used throughout the hydrogen fuel chain, providing reliable process control in hazardous environment, for optimized production and enhanced safety.



## Develop optimized electrolyzer designs by incorporating advanced technology and industry best practices.

Emerson is an expert supplier of innovative technology, providing reliable, time-tested products and solutions paired with application expertise to ensure project and operational certainty.



## High-performance flow control solutions improve electrolyzer efficiency and ensure safe operation.

Enhanced electrolyzer designs require innovative solutions. Emerson provides dependable flow control technology for hydrogen fuel applications with best-in-class oxygen cleaning and adherence to ISO global standards for optimum, safe, oxygen byproduct from the electrolysis process.



*Fisher GX control valve with FIELDVUE™ digital valve controller*

*Fisher GX 3-way control valve with FIELDVUE digital valve controller*

*Fisher easy-e™ control valve with FIELDVUE digital valve controller*

*Baumann control valve with FIELDVUE digital valve controller*

*Fisher Vee-Ball™ control valve with FIELDVUE digital valve controller*

## Learn More

[Control Valves page](#)



[Hydrogen page](#)



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