

# Hydrogen Electrolyzers

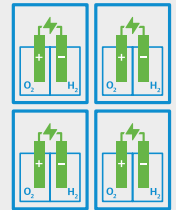


Helping manufacturers develop more efficient electrolyzer designs to meet the demand for increased hydrogen production capacity

## 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.

**SCALED & LOWER COST PRODUCTION**  
ESSENTIAL FOR THE TRANSITION TO GREEN HYDROGEN



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

**RELIABLE FLOW CONTROL SOLUTIONS**  
ENHANCE EFFICIENCY, RELIABILITY AND SAFETY



With market growth and accelerated commercialization comes the need for greater supply chain reliability, simplified procurement and cost-effective scalable solutions with global support.

**DEMAND FOR CLEAN FUELS IS GROWING**  
ARE YOU READY?



# OUR SOLUTIONS – Enhance electrolyzer safety, efficiency and reliability

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

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

Enhanced electrolyzer designs require innovative solutions. Emerson's dependable flow control technology for hydrogen fuel applications maintains optimum and stable pressure to safely maximize hydrogen output from the electrolysis process.



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

Emerson is an expert supplier of innovative technology, providing reliable, integrated solutions and engineering and application expertise to help OEMs reduce design complexity and ensure project and operational certainty.



## Meet rapidly changing market demands with expertise and support from a global supplier.

Emerson is a global automation provider with an extensive portfolio of flow control solutions in hydrogen fuel applications, helping to simplify the supply chain and enabling OEMs to focus on developing and delivering products.



### ASCO™ Series 290 Pressure Operated Piston Valve



### AVENTICS™ Series AV03 Valve System



### ASCO™ Series 262 Solenoid Valve



### TESCOM™ Relief / Backpressure Regulator



Scan code for more information.