

Proven Pressure Control Solutions for Hydrogen Applications



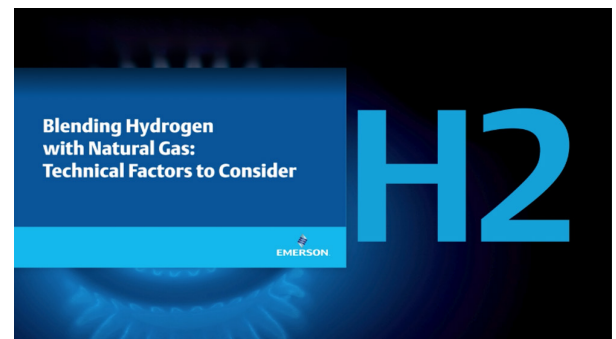
Emerson's Hydrogen Compatible Regulators and Relief Valve Products

Hydrogen – Technical factors to consider

Hydrogen is expected to play a key role as an energy carrier in the coming years as the world transitions toward a low-carbon economy. Blending hydrogen with natural gas has been proposed as a method to achieve near-term reductions in greenhouse gas emissions. Emerson is committed to supporting our customers' needs to ensure safe and reliable progression of their critical infrastructure upgrade projects.

Hydrogen presents several challenges due to its unique properties. Such challenges Emerson has addressed include:

- ✓ Material Compatibility
- ✓ Leakage/Permeation
- ✓ Hydrogen Embrittlement



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Hydrogen-Ready Pressure Control Technology You Can Use Today!

Demand in hydrogen is growing rapidly for scaled production at affordable costs. Emerson is a global partner in providing innovative flow control technologies with over 60 years of hydrogen application expertise. Emerson's technologies are being used in large scale electrolyzers, steam methane reforming, hydrogen blending, fueling stations, fuel cells and in industrial applications using hydrogen.



Meet Application Requirements with Qualified Materials

Materials intended for hydrogen applications are thoroughly tested and evaluated at Emerson's hydrogen test facility to ensure compatibility in applications up to 100% Hydrogen. Download our Hydrogen Product Bulletin:

[Hydrogen Regulators](#)



Compliance with any H₂ Application

- ✓ 10% H₂ tier — For 10% or less hydrogen blends
- ✓ 25% H₂ tier — For 25% or less hydrogen blends
- ✓ 100% H₂ tier — Compatible materials for pure hydrogen applications



Proven Hydrogen Solution

With help from Emerson technology, Canadian energy provider Enbridge uses renewable electricity to produce emission-free hydrogen. Enbridge also plans to blend hydrogen into the natural gas infrastructure to deliver cleaner energy to homes.

Learn more about the Enbridge story.

[Watch Video](#)

H₂ Compatible Products Include:



**Fisher™
1098-EGR**



**Fisher EZH,
EZHSO & EZHOSX**



**Fisher 627, 627B
Series & 627OSX**



**Fisher
LSR**



**Fisher
MR95/98**



**Crosby™
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