



# Supporting Hydrogen

Installation Training - Technical Support - Fabrication - Leakage Evaluation

## Your Hydrogen Systems Partners

Hydrogen has seen heavy investment in recent years as the world develops decarbonisation strategies to reduce emissions and build environmentally sustainable industries focused around Blue, Green and Grey Hydrogen applications.



Swagelok is the preferred fluid system partner for major Hydrogen manufacturers and users across R&D, Chemical & Refining and Power Generation Industries due to our exceptional quality, reliability and performance.

Working with industry partners, we've developed innovate products such as the Alternate Fuel AFS Ball Valve, designed specifically for Hydrogen bulk filling .

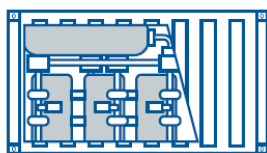
Swagelok delivers safety, system integrity and leak free performance in your Hydrogen applications.

## How Can Swagelok Help?

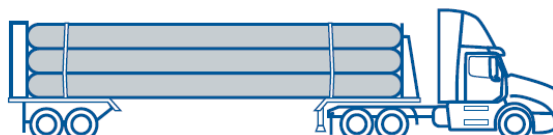
Swagelok Eastern Australia & New Zealand are positioned to support you with industry expertise, access to engineering resources and keeping you up to date with global best practises and industry trends.

Swagelok can help with...

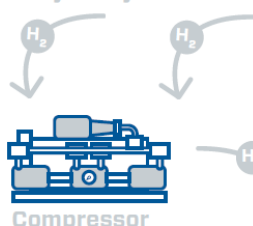
- Installation training for your staff working with Hydrogen systems, before they commence work.
- Technical support and advice, including product selection, flow calculations and design assistance.
- Fabrication services by certified installers to provide higher quality assemblies and panels, reducing leakage and extending the life of your systems.
- Evaluation services on existing systems, including pilot plants and production skids to standardise installations, reduce leaks and improve safety.



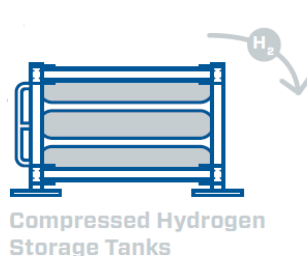
Electrolyzer System



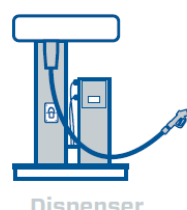
Gaseous Tube Trailer



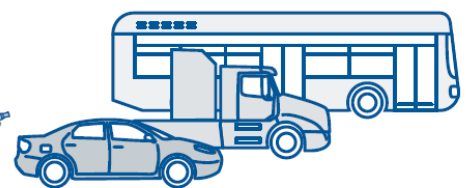
Compressor



Compressed Hydrogen Storage Tanks



Dispenser

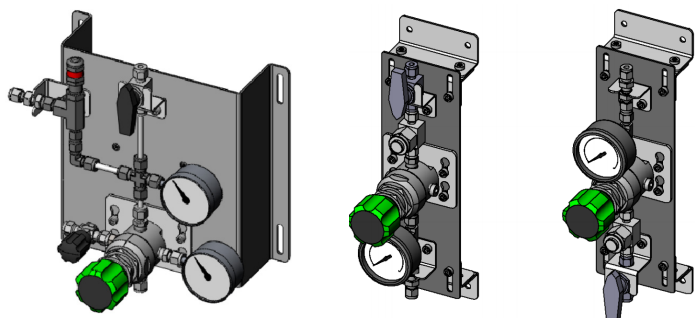


Fuel Cell Electric Vehicles

## EC-79 ON VEHICLE APPLICATIONS GUIDE



## NEW - GAS DISTRIBUTION SYSTEMS



Swagelok have released a new, standardised offering for [Gas Distribution regulator panels](#), for a range of gas applications, including Hydrogen.

The panels can be configured to your specific gas types, flow requirements and pressures, come to you completely built and tested by certified installers and covered by Swagelok's Limited Lifetime Warranty.

There are 4 models to choose from, including;

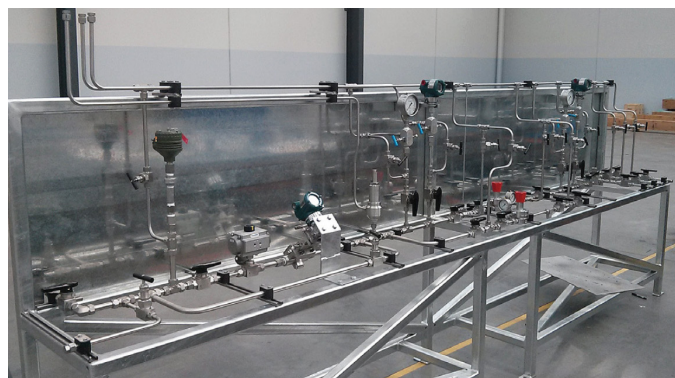
- [Automatic Changeover Manifolds](#)
- [Primary Gas Pressure Control](#)
- [Point of Use Panels](#)
- [Source Inlet Manifolds](#)

## HYDROGEN FABRICATION SERVICES

Many organisations are relying on Swagelok [Fabrication Services](#) to improve the quality and reliability of their Hydrogen systems. Swagelok's certified installers can deliver a leak free solution, to your design requirements.

We can help with...

- [Product selection](#) advice and support
- Design assistance, including drawings
- [CAD modelling](#) included in build packages
- Full [Fabrication Services](#) for Hydrogen applications
- Testing and documentation options
- [Swagelok Limited Lifetime Warranty](#) covering all projects.



## System Integrity:

### Evaluating Your Pressure Systems

*Swagelok now offer Field Services which include fluid system leak detection, enabling you to leverage Swagelok Engineering capabilities and expertise, in your new and installed systems.*



[Swagelok Field Services](#) can help review existing installations and provide vital feedback to improve safety, performance and reduce emissions.

Swagelok offer a range of Field Services for the Hydrogen industry, these include;

- [Compressed Gas Leak Detection](#)
- [Fluid System Evaluation](#)
- [GC Sample Conditioning \(incl; Grab Sampling\)](#)

Swagelok certified engineers will review your systems with you and provide a detailed report, outlining improvements that can be made, based on the priorities that you determine most important.

You can then work with Swagelok Field Engineers to schedule corrective works into your maintenance plans.

This is especially valuable for Hydrogen pilot plant optimisation and production facilities, as well as for experimental testing units and OEM systems.

Swagelok Field Services can help improve performance, reduce fugitive emissions and create an overall safer system. We can even help you with new systems, providing design support, product selection advice as well as fabrication services to complete your project.

## Contact Swagelok

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