



Clean Energy Solutions

Solutions for Hydrogen Infrastructure **High-Integrity Systems for Infrastructure**

Reliable refueling infrastructure is a necessity as hydrogen transportation scales up to handle an increase in demand. Applications like hydrogen tube trailers, electrolyzers, compressors, storage cylinders, priority panels, pressure control devices, and dispensers that deliver hydrogen need the highest-quality componentry.

Refueling stations require **safe operability**, enabling any driver to operate a dispenser with minimal risk.

Rapidly scaling infrastructure requires the ability to **quickly design and assemble complex systems** safely and reliably.

Components and connections must be able to **withstand rapidly changing temperatures** during dispensing cycles without experiencing any form of degradation.

Trust Swagelok to deliver a high-quality suite of hydrogen infrastructure solutions, including:

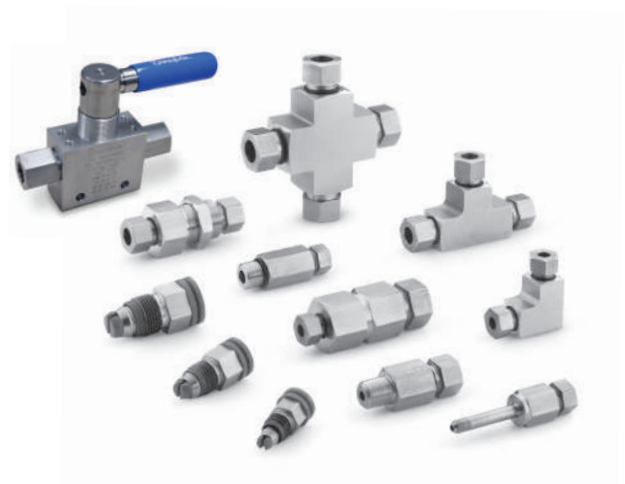
- Swagelok® tube fittings
- FK series medium-pressure fittings
- Cone and thread fittings
- Standard- and medium-pressure, and cone and thread tubing
- Hoses
- Valves
- Measurement devices
- Design and fabrication services
 - Custom solutions
- On site services
- Training

Swagelok Components **Designed for High-Performance Fuel Systems**

Swagelok's alternative fuel components are designed to deliver the highest levels of safety, reliability, and high performance for on-vehicle and infrastructure applications.

Swagelok® FK series fittings were developed specifically for use in hydrogen applications to deliver outstanding tube grip and leak resistance, as well as the ability to pull up by torque or turns. Their unique two-piece design and preassembled cartridge ensure correct ferrule orientation, visual confirmation of ferrule presence, and **simplified installation**.

Our stainless steel components incorporate elevated nickel and chromium levels that promote **enhanced corrosion resistance** and greater ductility when interacting with hydrogen and natural gas.



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