



Solutions for Aerospace

performance and reliability to take you further

Engineered for High Risk Environments

As a major designer and manufacturer of high-quality fluid system products, assemblies, and services, Swagelok® understands the importance of safety and reliability in high risk environments. With this in mind, we provide components and service the Aerospace market in both commercial and military aircraft applications, as well as the ground systems and test equipment that support flight operations.



Material Science Matters

Swagelok uses a robust raw materials inspection process to eliminate material defects before we manufacture the part. From the melt to machining, we never compromise on quality. Our materials experts can help you find the right material for your project to help ensure fewer leaks and less interruption of flow path even under the most demanding pressures.

Our product line features precision high pressure (20,000 psi) valves, fittings, tubing, and fluid control devices made from cold worked 316SS. Annealed 316SS and other exotic materials are available to meet NACE MR0175/ISO 15156.

- 316SS
- Titanium
- Monel 400
- Inconel 625
- Incoloy 825
- Hastelloy C-276



Swagelok®



Made by Swagelok®. Driven by Quality.

The guiding principle behind every Swagelok component is quality.

We go out of our way to ensure the highest quality materials are used with high-performance industry metrics in our Swagelok Quality System for Distributors (SQS-D), which has been validated by internationally recognized certifying body, BSI. Swagelok Southern California is currently in the process of achieving certification to AS9100 — Requirements for Aviation, Space, and Defense Organizations.

RELEVANT APPLICATIONS

- Repeatable, automated, and precise tubing bends for fuel lines and hydraulic systems in military aircrafts
- Ground support and test systems
- Space craft and life support systems
- Potable water systems

Swagelok Products

Swagelok products are designed to meet key fluid system needs of the Aerospace Industry. We subject every material and component to rigorous ultrahigh purity analysis—like eddy current testing and ultrasonic immersion testing—to detect even the smallest flaws and imperfections.

Our medium- and high-pressure solutions include, but are not limited to, those listed below:



- Fittings
- Valves (Check, Relief, Bellows, Ball)
- Tubing and Tube Accessories
- Hoses
- Regulators
- Gauges
- Quick Connects
- Welding Purge Panels
- Orbital Weld System

Custom Solutions

Based on your requirements, our team of Swagelok-trained experts can:

- Build panels, enclosures, test consoles, feed systems, and other assemblies
- Perform high volume, repeatable tube bends
- Provide full-service, orbital welds



Field Engineering Services

Local Swagelok-certified field engineers are available to audit existing systems for performance improvements or provide guidance for concept to completion on new products. They can assist with:

- CAD development and component identification to optimize your space and budget
- Assembly support for simplified procurement
- Technical support on products



Did you know about...

Swagelok's long history with NASA? Our products have gone on missions to the Moon and Mars. We helped keep astronauts breathing on Apollo IX Mission 1969 with valves, hoses, and fittings. We were also on the 1975 Viking I that landed on Mars to collect soil samples.



Contact us for an appointment

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Swagelok®

Swagelok Southern California and Swagelok Hawaii are authorized Swagelok sales and service centers.

Warranty Information

Swagelok products are backed by The Swagelok Limited Lifetime Warranty. For a copy, visit swagelok.com or contact your authorized Swagelok representative, listed above.

Safe Product Selection

When selecting a product, the total system design must be considered to ensure safe, trouble-free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.

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