Oil and Gas Solutions From Swagelok

Engineered for the World's Most Demanding Applications





Segments



The Oil and Gas Industry Is Always Evolving

Deeper wells. New drilling techniques. Higher temperatures and pressures. Increasingly corrosive environments. For your fluid system requirements, you need a reliable supplier that can deliver quality solutions and services for **your top challenges**.



Safety. Safety is a top priority, especially in environments where you're working with potentially highly volatile fluids. Components, assemblies, and services that eliminate potential leaks and assemblies built based on design best practices are essential for crew safety in challenging environments.



Operational Integrity and Reliability. When maintenance is necessary, you need fast, committed, local assistance. Avoiding excess downtime can mean saving hundreds of thousands of dollars per day.



Environmental Impact. Minimizing impact on the surrounding environments in oil and gas applications requires materials and components that ensure fluids are reliably contained, even in the most demanding environments on earth.

Meet these challenges head-on by working with Swagelok. You'll gain access to quality fluid system components, in-depth training opportunities, and a global network of experienced professionals. You'll also connect to top-notch engineering, design, and materials science support all over the world.

We are dedicated to helping you find solutions for the toughest challenges in the oil and gas industry—wherever you are.

Explore all the ways we can help.





Solutions for Offshore Standing Up to the Industry's Harshest Conditions

Offshore oil and gas platforms operate under extreme conditions. Environmental challenges can threaten the integrity of components, while high pressures and deep drilling raise the stakes for safe and efficient operation. Swagelok products are well suited for all facets of offshore oil and gas projects, including platforms, FPSOs, and FLNGs, as well as specific applications like chemical injection, subsea control, hydraulic power units, sampling, and beyond.

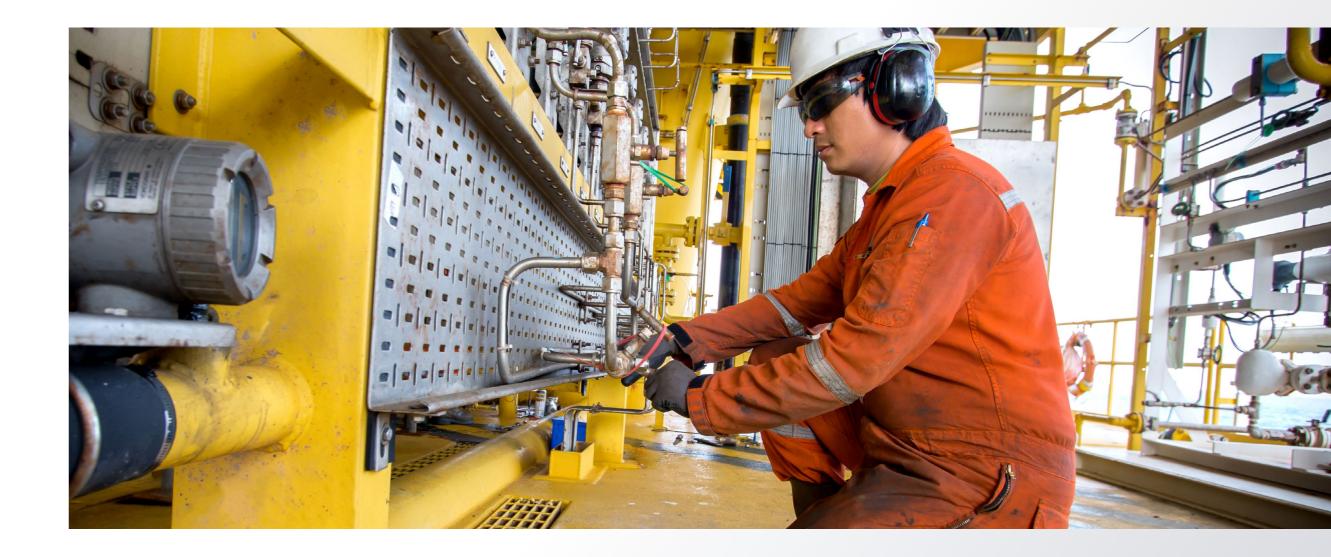
Trust Swagelok to meet all your offshore fluid system needs, with solutions designed to specifically meet the toughest requirements on earth throughout the lifetime of your platform.

We **keep corrosion at bay** by using premium raw materials and alloys 2507, 625, and 825, meeting the needs of our customers no matter the application. Each of these materials can meet the most stringent NACE MR0175/ISO 15156 requirements—with 6 Moly and alloy 2507 having NORSOK compliance giving you an operational advantage.

Our precision-engineered

medium- and high-pressure solutions can help meet the needs of deeper wells and increasing pressures, and are available in highly customized options based on your application.

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Onsite services, including evaluations and troubleshooting, can identify areas of opportunity, driving new efficiency and higher reliability in critical fluid systems throughout the entire platform. We help keep your critical equipment available for production and free of vibration threats with grab sampling and optimized seal support systems.





Solutions for Onshore Enhancing Your Onshore Operations

Safety, environmental protection, risk mitigation, reliability, and cost-effectiveness are just some of the critical requirements involved in the highly competitive onshore oil and gas sector. High-quality fluid system products and solutions from Swagelok can help meet and exceed those requirements.

With products and subassemblies, Swagelok delivers the services and solutions you need to optimize cost and performance.

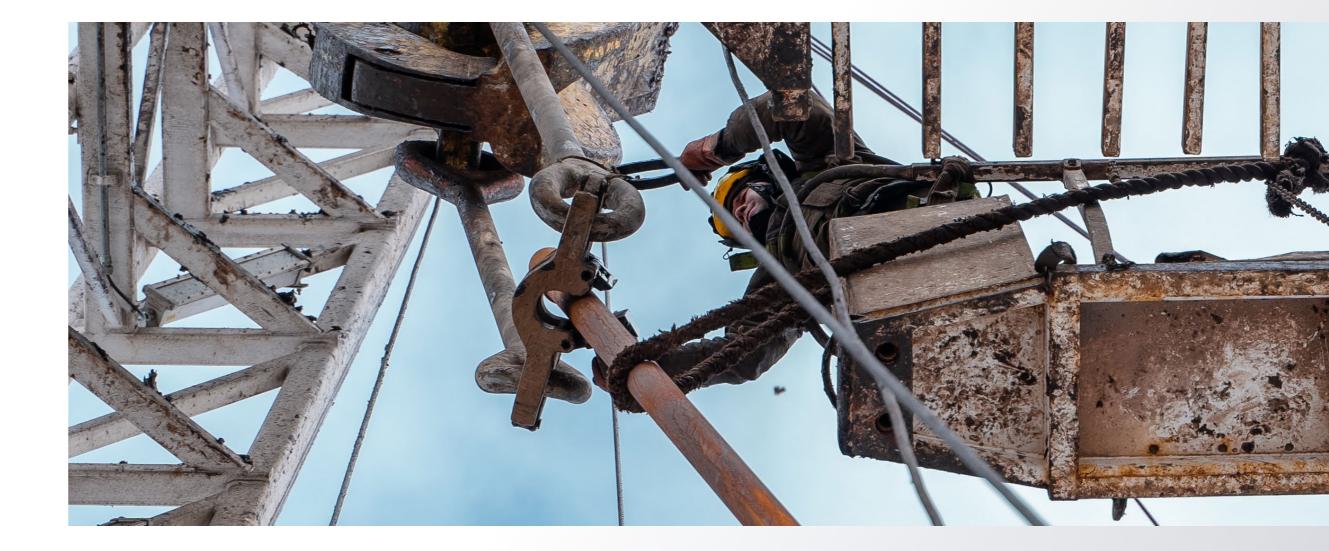
Standardization, product selection assistance, and vendor-managed inventory

can free your team to focus on operations instead of procurement issues or organizing spare parts and components from different suppliers.

Sampling systems, mechanical seal support systems, distribution manifolds, full-flow GB series ball valves, and other solutions drive higher application performance and reliability.

Our use of **high-performance** alloys and engineered combinations, optimized for cost and performance, can help fight corrosion issues associated with regular operations.

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Onsite evaluations, asset management and maintenance plans, and training opportunities

can help your staff remain knowledgeable and proactive in maintaining optimized fluid system performance.

Our **global presence** is established by offices located nearby that provide the local collaboration and services you need, wherever you are around the world.





Segments



Solutions for Midstream **Keeping Midstream Operations Moving**

Reliability, efficiency, and environmental risk mitigation are paramount in the transport of raw crude oil, refined products, and gases to refineries, gas processing plants, terminals, liquid natural gas facilities, and more all over the world. High-performance fluid systems are key to helping improve supply chains for critical energy needs.

To tackle operational challenges like vibration, corrosion, and other issues that threaten reliability and increase the need for downtime and maintenance, Swagelok can supply both the products and solutions you need.





can add value, particularly to sites with limited personnel, freeing your team to focus on operations instead of organizing spare parts and components from different suppliers.



Our **complete suite of services** can drive holistic improvements across your operation. Enhance safety, improve fluid system health, reduce costs, and more with the help of our experienced teams.

We help keep your critical equipment operational with customized seal support systems, sampling solutions, and thermal relief valve assemblies.

Standardization and vendor-managed inventory



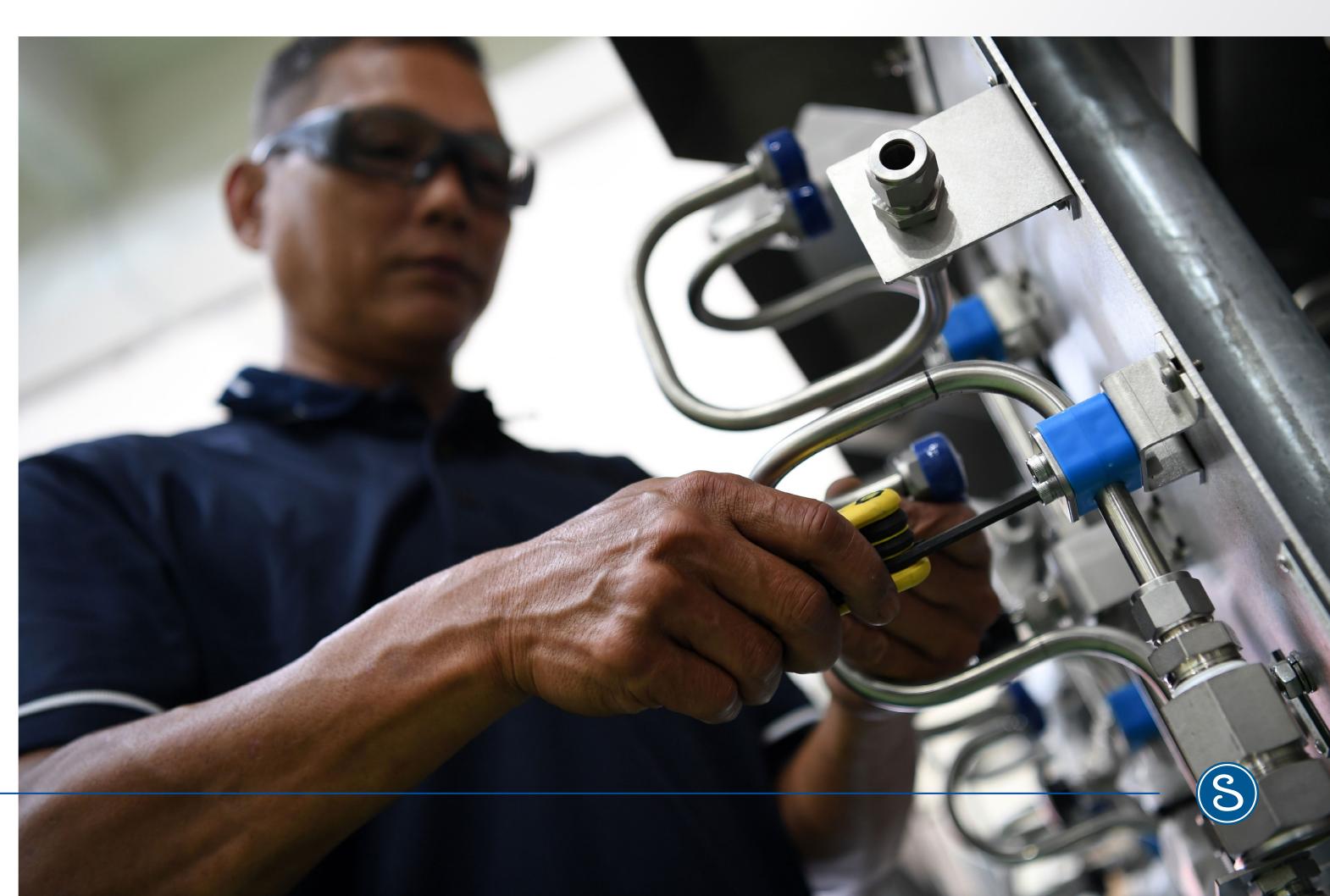


Design & Assembly Take Fluid System Design and Assembly Off Your To-Do List

Is your workforce stretched too thin? Concerned about your in-house capabilities? Is your supply chain getting too complex? Generating too much scrap? Swagelok can help solve each of these problems by building your fluid system assemblies for you, taking your team from design to fabrication in one step.

Swagelok® Custom Solutions are fabricated assemblies that range from systems with just a few components to full panels, enclosures, and beyond. We can follow your design or develop a new one with our custom engineering services. There's no need to worry about maintaining in-house capabilities like tube bending or the generation of scrap during assembly. Our approach is collaborative, working closely with you to ensure we understand the problem and are developing the configuration that most completely meets your needs.

Our assemblies are locally built with Swagelok's high-quality fluid system components. We can also incorporate third-party products, including wiring, automation, transmitters, relays, motors, and more. We produce professional-grade, reliable solutions, complete with testing, inspection, and packaging, all backed by the Swagelok Limited Lifetime Warranty.



Capabilities		
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Global Construction Enabling Global Collaboration on Major Construction Projects

With many steps from initial design through commissioning, involving many distinct entities in different parts of the world, new project construction can become a unique logistical challenge.

Changing government regulations and operational standards mean extensive requirements for documentation and global coordination. With these issues in mind, Swagelok established **Global Construction Sevices,** a critical arm of our organization engineered for managing new construction projects from conception through commissioning.

The Global Construction Services team provides tremendous benefit at the pre-FEED and FEED stages. Our engineers can consult with the owner companies and EPCs on the design, assisting with specifications while recommending efficiencies and cost-saving configurations. As the project proceeds, our team will work with you to manage timelines and complex logistical issues, helping to ensure jobsite inventory and product availability throughout the project. We can help coordinate multiple entities, providing customized or international contracts, helping to understand government regulations, and clearing the way for on-time completion.

Capabilities





Swagelok Services Your Resource for Fluid System Optimization

Whether you want to increase facility and asset safety and efficiency, improve fluid system health, reduce emissions, get new workers up to speed quickly, or simply catch up when your team is shorthanded, our fluid and sampling systems specialists can help.

These specialists:

- Evaluate fluid and sampling systems, troubleshooting issues and offering guidance
- Deliver prioritized recommendations to improve fluid systems
- Provide training on a variety of important topics

Capabilities		
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Swagelok Training Build the Knowledge You Need

In an industry that is rapidly changing and faced with increasing knowledge loss, properly trained teams can be highly beneficial. A robust training program can introduce a consistent approach and uphold standards across your organization and your contractors.

Swagelok knows the trends, systems, processes, markets, regulations, and industry best practices. Our experienced educators have helped teams around the globe get up to speed on fluid system best practices, covering many areas from technology to installation to safety.

Our courses combine classroom and virtual learning with practical, hands-on activities led by our experienced instructors. Opportunities include:

- Oil and gas essentials training
- Tube fitting installation
- Tube fitting inspection
- Tube bending
- Hose essentials

- Orbital welding
- Cone and thread installation (for mediumand high-pressure)
- Valve essentials
- Regulator essentials

- Materials science
- Sampling system maintenance and design
- Steam systems
- Customized courses based on your specific needs



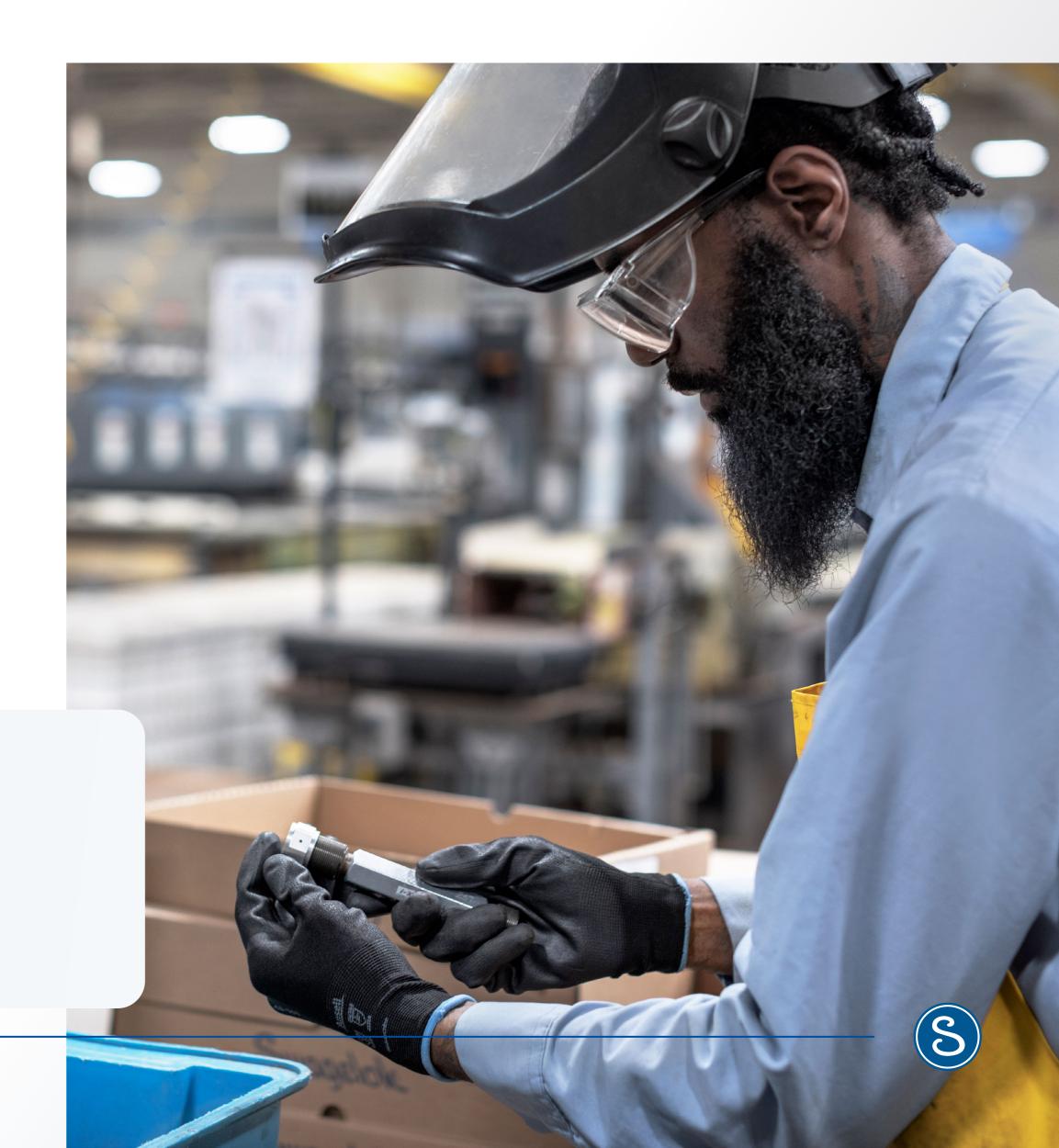
Swagelok Advantage Engineered to Perform Under Pressure

Swagelok offers a clear advantage in a challenging industry—quality fluid system components for optimized reliability. With Swagelok, you can count on trouble-free assembly and leak-tight performance, even under harsh and difficult conditions.

Our breadth of quality products covers full-range sizes up to 2 inches for both instrumentation and fluid conveyance, each with an industry-leading limited lifetime warranty.

- Connection Technologies Swagelok[®] tube fittings (available in a range of alloys and as a jacketed tube connector), weld fittings, welding equipment, flanges, cone and thread
- Medium- and High-Pressure Products For process control panels, injection skids, power units, test stands, and more
- **Tubing** In a range of materials and in types such as heat-traced, jacketed, and bundled

Our components include:





Discover the Possibilities With Swagelok

We provide localized service to our customers around the world through our strategically located network of authorized sales and service centers.

Ready to start working with us?

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