



Life Sciences

## Life Sciences Solutions

Let us be your partner with our line of products and services specific for the life sciences industry.

### Your partner in addressing life sciences development.

We support medical device, biopharmaceutical, pharmaceutical, and biotechnology firms with fluid system products and services that promote safe and reliable operation in the most sanitary and sterile production environments in the world. Our sales and engineering specialists can help you manage the pressures that come with building devices and manufacturing medicines that support human wellness. Count on Swagelok Minnesota | North Dakota | Appleton to help you meet your life sciences application needs.

Areas of use:

- OEM medical devices
- Pharmaceuticals and biopharmaceuticals
- Biotechnologies
- Manufacturing and manufacturing facilities
- Healthcare equipment for critical heart and brain surgeries
- Research and development support

### Let us help you every step of the way.

Our sales and engineering teams are also well-equipped to help you achieve your goals by adding efficiency, safety, and quality to your manufacturing operations or laboratory to ensure GMP compliance.

Regardless of whether you are meeting customer or regulatory requirements, we can help ensure that you are in

compliance. We are well versed in both ISO compliance and QSR regulations, helping us deliver products and solutions that are harmonized with applicable regulations and risk acceptability criteria.

No matter what stage of the device development process you are in, we can be a valued partner for your success:

- Device discovery and concept
- Preclinical research - Prototype
- Pathway to approval
- FDA review
- FDA post-market safety monitoring



## Products to ensure cleanliness and consistency.

Every component we design, manufacture, and build is to help you achieve the highest level of application, process, and instrumentation integrity. For more than seven decades, we have demonstrated our commitment to delivering reliable components that get your fluid from Point A to Point B.

- Fittings
- Valves
- Sanitary hoses
- Gas distribution systems
- Regulators
- Orbital welding system
- Quick connects
- Small-bore tubing
- Pressure gauges



## Applications and services for life sciences.

As healthcare equipment and medical devices become more compact and as laboratory applications demand higher-pressure components, we can support your R&D, prototyping, and final design approval stages, so you can focus on the manufacturing environment. Our engineers can also tackle more complicated design work, service your components, and set up maintenance schedules. By investing in your fixed assets in this way and turning over development to us, you can better focus on running your business and creating opportunities to grow it.

When designing a fluid control system for a new setup or redesigning existing installations, our Field Engineers bring expertise that maximizes layout considerations, minimizes connections, and ensures proper product selection for both pressure control and sizing.

- Gas distribution systems
- Orbital welding
- Design and assembly
- CAD work
- Hose advisory services
- Local stocked inventory
- Injection molding
- Calibration test stands for MFC
- Tube coils (cooling and heating baths, heat exchange, condenser)
- Cryotherapy applications
- Water/liquid sampling
- Fluid automation
- Thin film deposition chamber fluid system assemblies

## Safety to give you peace of mind.

Safety is a top concern for all our customers, but perhaps none more so than those involved in supporting human wellness. When you invest in fluid system training, you'll have the tools to help keep your team members safe.

- Essentials training
- Product and system evaluations
- Leak audits

## Focus on quality for maximum dependability.

Swagelok's Quality Management System helps you introduce new products and applications with fewer quality concerns. We can assist with quality documentation and material certifications for every step along the way.

- Test reports (Helium Leak, Pressure, etc.)
- CMTR, MTR, COC
- Procedure development and documentation in manufacturing process
- Material and system compatibility support
- FMEA
- Control plans
- Gauge R&Rs
- Inspections
- REACH and RoHS requirements
- Specialty cleaning and handling instructions



## Enabling world-class medical devices and medicines.

We offer fluid system products, assemblies, and services that help medical device and pharmaceutical drug manufacturers achieve their goals for quality, speed to market, and cost control. Contact us to learn more:

**Swagelok Minnesota | North Dakota | Appleton**

800-422-6410

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