A Quick Look at Swagelok Regulators

Swagelok

Swagelok Western New York

Swagelok

Swagelok Western New York

est. January 2001

Swagelok, an American Company

Who We Are

We are more than just a component supplier; we are here to make fluid systems succeed. Our wide array of services such as training, vendor managed inventories and Swagelok Custom Solutions fabrication services are here to serve diverse industries and businesses of all sizes.

We are Swagelok Quality System (SQS) Certified

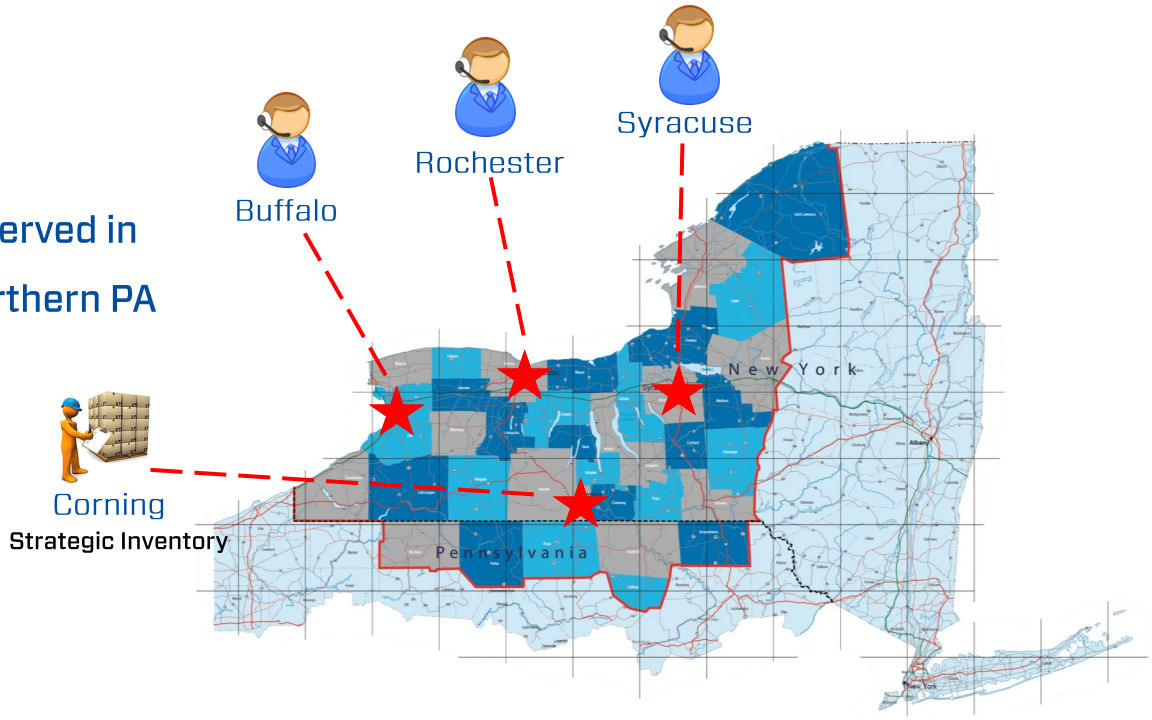
Compliant with ISO-9001-2008

Our Mission

Utilize our knowledge, experience and passion to provide our customers high-value solutions and a differentiated customer experience.

3 Local Offices

35 Counties Served in Western NY & Northern PA



Swagelok Regulators

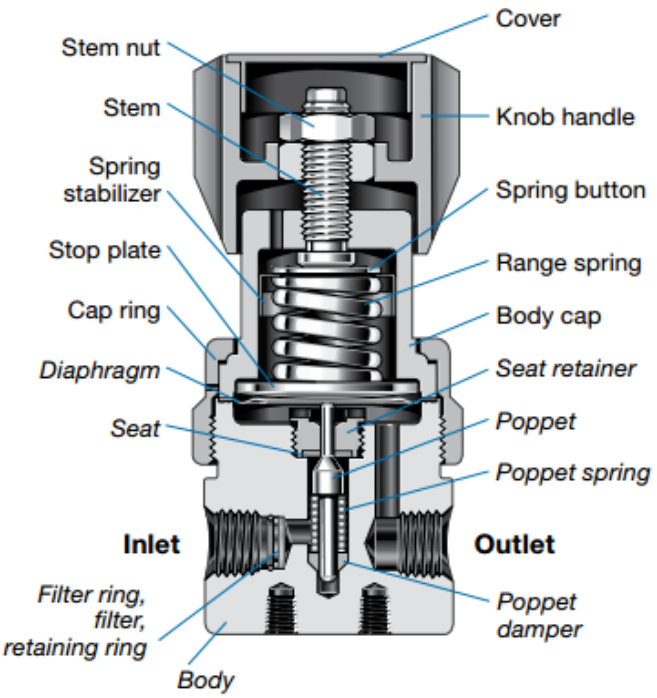
- High quality, precision regulators for demanding service requirements
- Manufactured in proprietary grade 316 stainless steel. Other materials available for most series
- Control a full range of pressures from 2 to 10000 psig
- Components of Swagelok Pressure Regulators significantly lower fluid system error:

  ⇒ **Convoluted Diaphragm** is all-metal, convoluted and non perforated to ensure greater sensitivity and longer life

  ⇒ **Two– Piece Cap** design provides linear load on the diaphragm seal. This eliminates torque damage to the diaphragm

  ⇒ **Stop plate**, a disc that provides positive backup to the diaphragm in case of diaphragm over pressure

Materials of Construction



Testing

Every Swagelok Regulator is factory pressure tested with nitrogen.

Cleaning and Packaging

Every Swagelok regulator is cleaned and packaged in accordance with Swagelok Standard Cleaning and Packaging (SC-10). To ensure compliance with product cleanliness requirement stated in ASTM G93 Level C is available for select regulator series.

Pressure-Reducing

General– Purpose Regulator

KPR Series

The KPR series is a compact regulator with excellent accuracy, sensitivity, and set-point pressure stability.

Stainless Steel, Brass, Alloy 400 (Monel), Alloy, C-276 (Hastelloy).

Inlet Pressure up to 6,000 psig. Pressure Control Range of 0 to 10psig through 0 to 500 psig. Cv: 0.02, 0.06, 0.2, 0.5.

Ports: ¼" FNPT, Tube Stub, VCR® Gland, Male VCR®, Female VCR®

Two-Stage Regulator

KCY Series

The KCY series is designed for use in applications requiring constant outlet pressure even with wide variations in inlet pressure. This two-stage regulator is comparable to two single-stage regulators connected in series.

Stainless Steel, Brass

Inlet Pressure up to 6,000 psig. Pressure Control Range of 0 to 10psig through 0 to 50 psig. Cv: 0.06, 0.2, 0.5.

Compact Regulator

KCP Series

The KCP series is a compact, piston-sensing pressure regulator with a short stroke to minimize wear in high-cycling applications.

Stainless Steel, Brass

Inlet Pressure up to 3,600 psig. Pressure Control Range of 0 to 10psig through 0 to 1500 psig. Cv: 0.02, 0.06, 0.2, 0.5.

Medium-to-High Pressure Regulator

KPP Series

The KPP series meets the demands of a wide range of gas or liquid applications in a lightweight, compact installation footprint. These features make the KPP pressure regulator an ideal pressure control solution within high-density OEM equipment.

Stainless Steel

Inlet Pressure up to 6,000 psig. Pressure Control Range of 0 to 1000 psig through 0 to 3600psig. Cv: 0.02, 0.06

Ports: ¼" FNPT

High-Sensitivity Regulator

KLF Series

The KLF series provides high-sensitivity pressure control of gases or liquids with minimum droop in both low-flow and low-pressure applications.

Stainless Steel

Inlet Pressure up to 3,600 psig. Pressure Control Range of 0 to 2.0 psig through 0 to 250 psig. Cv: 0.02, 0.06, 0.2, 0.5.

High-Flow/High-Sensitivity Regulator

KHF Series

The KHF series combines the high-flow capabilities—1.0 Cv—of a bulk distribution regulator with the high sensitivity and accuracy of a point-of-use regulator.

Stainless Steel

Inlet Pressure up to 3,600 psig. Pressure Control Range of 0 to 10psig through 0 to 250 psig. Cv: 1.0

Ports: ¼" FNPT, ½" FNPT

Pressure Regulators

Swagelok Western New York

Pressure-Reducing

High– Flow Regulator

KPF Series

The KPF series provides minimum droop across the flow range with high accuracy of outlet pressure.

Stainless Steel

Inlet Pressure up to 6,000 psig. Pressure Control Range of 0 to 1000psig through 0 to 4000 psig. Cv: 1.0

High Pressure Regulator

KHP Series

The KHP series provides control of supply pressures up to 10,000 psig (689 bar). The self-venting capability enables downstream pressure reduction in closed-loop systems.

Stainless Steel

Inlet Pressure up to 10,000 psig. Pressure Control Range of 0 to 500 psig through 100 to 10,000psig. Cv: 0.06, 0.25

Ports: ¼” FNPT

High Pressure Hydraulic

KHR Series

The KHR series provides control of pressures up to 10,000 psig (689 bar) for both liquid and gas applications. Metal or polymer seats are available.

Stainless Steel

Inlet Pressure up to 10,000 psig. Pressure Control Range of 0 to 500psig to 100 to 10,000 psig. Cv: 0.06, 0.25

Back Pressure

General Purpose Regulator

KBP Series

The KBP series is a high-sensitivity, general-purpose regulator designed to control back-pressure levels in analytical or process systems upstream of the regulator.

Stainless Steel

Inlet Pressure equals the Pressure Control Range: 0 to 10 psig through 0 to 500psig. Cv: 0.2

Compact Regulator

KCB Series

The KCB series provides high sensitivity back-pressure control of sampling conditioning systems. It is ideally suited for use in portable or laboratory analytical systems as well as being embedded in the instrument bays of OEM equipment or sampling cabinets.

Stainless Steel

Inlet Pressure equals the Pressure Control Range: 0 to 10psig through 0 to 375 psig. Cv: 0.1, 0.2

Medium-to-High Pressure Regulator

KPB Series

The KPB series provides back-pressure control in gas or liquid applications. This compact and lightweight regulator provides an ideal pressure-control solution within high-density compact OEM equipment, as well as other applications.

Stainless Steel

Inlet Pressure equals Pressure Control Range: 0 to 1000 psig through 0 to 4000psig. Cv: 0.06, 0.2

Ports: ¼” FNPT

Pressure Regulators

Swagelok Western New York

Back Pressure

High- Pressure Regulator

KHB Series

The KHB series provides control of back pressures up to 10,000 psig (689 bar) with high sensitivity across the control range.

Stainless Steel

Inlet Pressure equals the Pressure Control Range: 0 to 500 psig through 100 to 10,000psig. Cv: 0.06, 0.2

High-Flow/ High Sensitivity Regulator

KFB Series

The KFB series regulator is designed to maintain back-pressure control in high-flow applications.

Stainless Steel

Inlet Pressure is equal to Pressure Control Range: 0 to 10 psig through 0 to 250psig. Cv: 1.0

Wide range of applications include:

- Gas and Fluid Transmission
- Sampling Systems
- Laboratory Applications
- Test Stands
- Analytical and Process Control Systems
- Paint Delivery Systems
- Research and Development

Specialty Pressure Reducing

Gas Cylinder Changeover Manifold

KCM Series

The KCM series is a two-stage gas delivery system that ensures continuous flow of gases in critical applications. The automatic operation of the KCM series eliminates costly system downtime and maintenance expense of continuously monitoring the gas supply.

Stainless Steel

Inlet Pressure up to 3600 psig. Pressure Control Range of 0 to 10psig through 0 to 500 psig. Cv: 0.06

Steam- Heated Vaporizing Pressure-Reducing Regulator

KSV Series

The KSV series is a steam-heated vaporizing regulator with a low internal volume. It can be used to vaporize liquid samples or to preheat gas samples to prevent them from condensing.

Stainless Steel

Inlet Pressure up to 3600psig. Outlet Pressure Ranges: 0to 10psig through 0 to 500psig.Cv: 0.06, 0.2

Electronically Heated Vaporizing Regulator

KEV Series

The KEV series is an electrically heated vaporizing regulator with a low internal volume. It can be used to vaporize liquid samples or to preheat gas samples to prevent them from condensing.

Stainless Steel Inlet Pressure up to 3600psig. Pressure Control Ranges: 0 to 10 psig through 0 to 3600 psig Cv: 0.06, 0.2

Regulator Assemblies

Swagelok Western New York

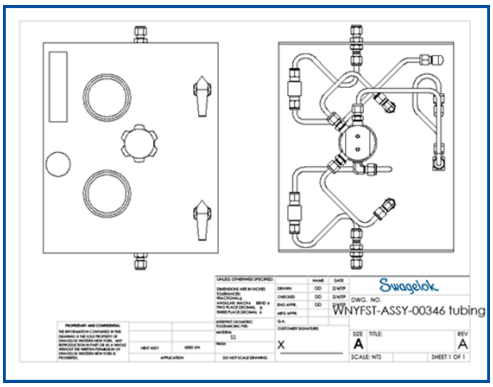
Our Custom Solutions team is a great resource to help increase production without ramping up the costs of internal staff. We have the skills, tools and products to build Regulator assemblies or subassemblies using Swagelok components, as well as other system components, to meet your design specifications.

Resources

- Expert Regulator Engineering Support
- Regulator Component Selection Assistance
- SOLIDWORKS 2016, 2D and 3D CAD Drawings
- On-site Regulator Technical Assistance, Training and Support
- Quality Assurance & Testing Before Delivery

One Part Number,
One Purchase Order.

All Assemblies Receive the Same **Swagelok Limited Lifetime Warranty** as our Components.



Need a Gauge Too?

At Swagelok Western NY, we offer high quality stainless steel gauges pre-assembled to your Regulator. These gauges can be provided in a wide range of pressure options and can even be custom labeled for your application uses.

Swagelok

Swagelok Western New York

At Swagelok Western NY, we work collaboratively to provide a differentiated customer experience for you! Our three local offices work with our contacts from the corporate factory in Cleveland. Ohio to provide you with products and services quickly and efficiently.

To uphold to our high quality standards, we can tag products with the date and who manufactured the product. Our customer's trust is our top priority.

If you have any questions or concerns, do not hesitate to contact us by phone, email or fax.

Buffalo Office

171 Cooper Ave, Suite 104

Tonawanda, NY 14150

Phone: 716-875-9365

Fax: 716-877-6903

Rochester Office

10 Thruway Park Drive

West Henrietta, NY 14586

Phone: 585-359-8470

Fax: 585-359-8475

Syracuse Office

6511A Basile Rowe

East Syracuse, NY 13057

Phone: 315-437-1287

Fax: 315-437-3825

Email: info@wnyfst.swagelok.com

Westny.swagelok.com

We offer **training classes** about a variety of products we sell including Regulator Best Practices, Tube Fitting Safety and Installation, Orbital Welding, Valve Selection and more!

Contact our Marketing Coordinator, Rachel Kahen at Rachel.Kahen@swagelok.com for more information.