



Plug & Play Solutions

Lab Gas Control Sticks

Swagelok® Lab Gas Control (LGC) Sticks supply gas to your lab instruments, reactors, incubators, and mobile workstations

LGC Features and Benefits

- Ensures steady, accurate flow and pressure of laboratory gas
- Compact and durable design
- Ceiling panel mounting option available
- Tube Fitting and Quick-Connect outlets (standard)
- Colored Keyed Quick-Connects available to prevent intermixing
- Built with high-quality 316 SS Swagelok components
- SC11 cleaning per ASTM G93 available

Materials of Construction

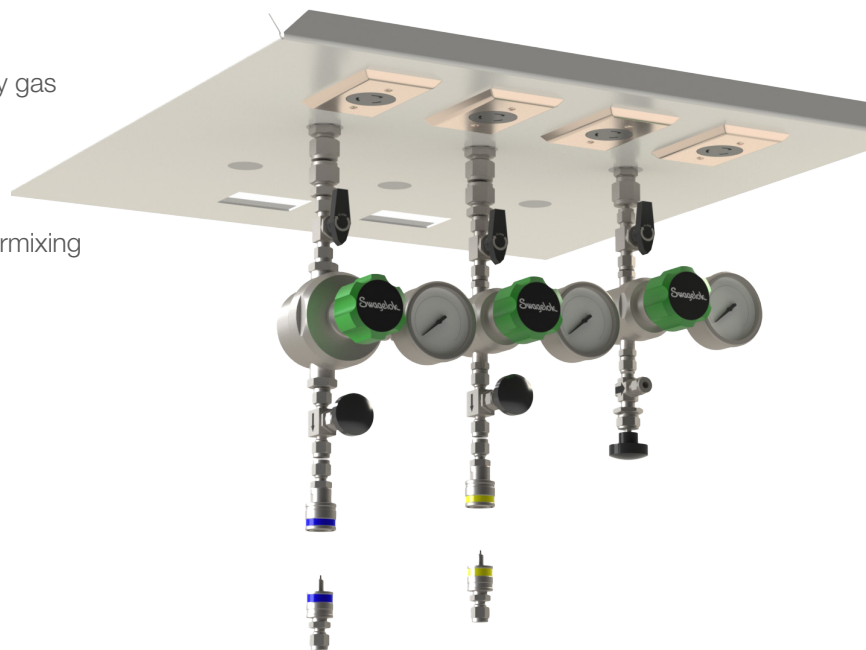
- [Swagelok 40 Series Ball Valve](#)
- [Swagelok K Series Regulator](#)
- [Swagelok PGI Series Pressure Gauge](#)
- [Swagelok 1 Series Needle Valve](#)
- [Swagelok Tube Fittings](#)
- [Swagelok QC Series Quick-Connect](#)

Technical Information

- Maximum inlet pressure 3,600 psig (244 bar)
- Maximum temperature 300°F (150°C)
- Outlet pressure control range: 0-10 psig to 0-250 psig
- 1/4", 3/8", 1/2" inlet and outlet connections

Testing, Cleaning, and Packaging

- Suitable for any media, including oxygen
- Leak testing with Swagelok Snoop® Leak Detector
- Outboard helium leak tested to 1×10^{-5} std cm³/s (optional)



Single part number allows for laboratory standardization and ease of sourcing — minimizing the time your engineers spend on specification and procurement of new systems.



Ordering Information

Build Swagelok Lab Gas Control Stick ordering number by combining the designators in the sequence shown below.
Example part number for inert gas application shown below.

1
2
3
4
5
6
7
8
9

LGC - A - T6 B4 - K 2 D - S - QC4 K1

- 1 Gas Type**
 A = Inert
 B = Inert with SC11
 C = Oxygen with SC11*

*Note: Inlet pressure must be <150 psig.

- 2 Inlet Size**
 M4 = 1/4" MNPT
 F4 = 1/4" FNPT
 T4 = 1/4" Tube
 T6 = 3/8" Tube
 T8 = 1/2" Tube

- 3 Isolation Valve**
 B4 = 1/4" Ball Valve
 N4 = 1/4" Needle Valve*

*Note: Required with oxygen option.

- 4 Flow**
 L = Low flow, high sensitivity
 (KLF series)
 H = High flow, high sensitivity
 (KHF series, $C_v = 1.0$)*
 K = Standard flow
 (KPR series)

- 5 C_v Flow Coefficient**
 1 = 0.02
 2 = 0.06
 5 = 0.2
 7 = 0.5
 8 = 1.0*

*Note: Required with KHF series.

- 6 Regulator Outlet Control Range**
 C = 0-10 psig
 D = 0-25 psig
 E = 0-50 psig
 F = 0-100 psig
 G = 0-250 psig

- 7 Flow Control**
 A = Angled Needle Valve
 S = Straight Needle Valve
 X = No flow control

- 8 Outlet Size**
 QC4 = QC4 Body, Deso Stem Outlet
 QC6 = QC6, Body, Deso Stem Outlet
 T4 = 1/4" Tube
 T6 = 3/8" Tube
 T8 = 1/2" Tube
 HC4 = 1/4" ID Hose Barb

- 9 Options**
 K1 through K8 = [QC Keys](#)
 D = Dual Outlets
 H = Helium Leak Test

Note: Multiple options can be added to the end of an ordering number.

Plug & Play Solutions: Ask about our complete Gas Distribution offering

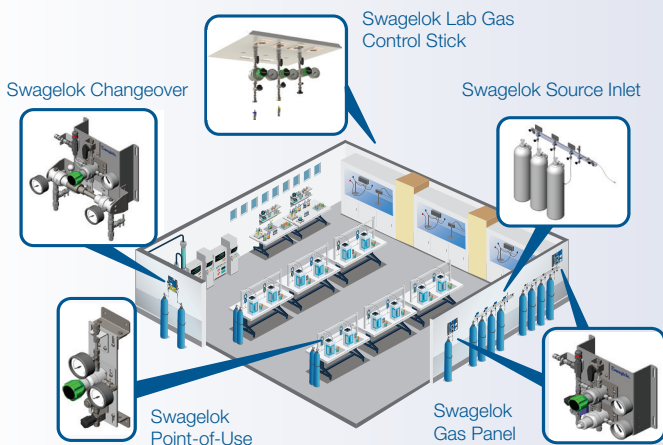


Fig. 1 Example Lab

Warranty Information

Swagelok® products are backed by [The Swagelok Limited Lifetime Warranty](#).

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.

Caution: Do not mix or interchange parts with those of other manufacturers.

Contact Us

Please contact your dedicated Swagelok Technical Advisor or connect with our team at 908.232.4444, info@njfs.swagelok.com, or visit njfs.swagelok.com.

Swagelok®