



Regulator Assemblies

Controlling and reducing line pressure is critical to safe operating conditions and efficient process and instrument functions.

We supply around 35 different regulators for a variety of process, tank blanketing and instrument applications. However, we often supply many customers with common assemblies and panels that incorporate many other Swagelok components that support these applications. Patrons find added value from ordering this as one part that plugs right into their system. Here are a few standard assemblies that show how our capabilities can integrate with your applications saving you time and money. Additionally, they are all customizable to fit your needs.



Safe delivery of gas bottle pressure is achieved with this regulator. A filter upstream protects the diaphragm and ensures a long service life. The attached relief valve guards against over pressurizing the line when adjustments are made to the regulator knob. The downstream block valves allow for depressurizing and purging of the delivery system from the source through the regulator.



This electrically heated vaporizing regulator is a critical part of this sample conditioning panel. Being coupled with an outlet gauge and relief valve, this panel provides protection for the expensive instrument it feeds. Providing reliable and repeatable samples has positively affected this customer's processes. This assembly is the same at many points in this facility, saving maintenance and inventory costs along the way.

MORE

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These regulator assemblies with specific CGA fittings attached have become the design specification at a local chemical plant for gas bottle delivery stations. One other option they now stock is to have the hoses assembled with armor guard protection along the length of the hose. In the event the TFE hose is pinched between two bottles when changing them out, the integrity of the hose is not compromised.



This high sensitivity regulator is used in a toxic service. The regulator has a captured vent and the customer was very interested in having product vented to a safe location. Having the fitting assembled by Swagelok certified installers to ensure no leakage, along with no extra potential leak paths from a 50 foot coil of tubing was important for a safe installation. Having this packaged as one piece ensured that all parts were in place for safest installation.

Armor Guard (Option A)

- Interlocking, flexible 302 stainless steel.
- Highly flexible, protects against kinking and abrasion.
- Covers entire length of hose.
- Operating temperature: -325 to 750°F (-200 to 398°C).



Constant delivery of carrier and purge gases is crucial to the nature of the instruments at this analyzer shelter. By incorporating this custom regulator changeover manifold system, our customer has bought himself some time before changing bottles. This system automatically switches from a primary bottle to a backup once pressure falls below a set point or when the cylinder begins to run out. Once the backup cylinder begins to run low this regulator will draw off both cylinders, further buying time before replacing the cylinder. This analyzer group has standardized on this and it quickly saved the hassles of after-hours trips to the plant to change a cylinder. Now they can be more flexible with the timing of this procedure.

These are just a few of the regulator options we provide. We welcome the opportunity to customize a solution for your application.

Call today to discuss your regulator assembly 314.880.8900