The Swagelok® Tube Fitting Advantage for the Chemical Industry...

Today, everyone is being called upon to "do more with less" and to recognize value. You want to concentrate on what is important, be proactive versus reactive, and install components that you can forget about—without wasting time on unnecessary maintenance and rework.

If you are an instrumentation and control professional in a chemical facility, you understand the value of high-quality, reliable connections to avoid critical and costly issues from:

- Leakage
- Corrosion
- Improper Installation
- Vibration

The Swagelok tube fitting was patented and brought to market in 1947, resolving problems the chemical industries were experiencing in making repeatable, reliable leak-tight connections on process instrumentation systems. Today, Swagelok continues to improve the leak-tight design of the tube fitting for use in thousands of diverse applications. The patented case-hardening process and back-ferrule geometry produce an excellent colleting grip of the tube, to minimize the effects of vibration. Because this design uses consistent geometry instead of torque for gaugeable make-up, the Swagelok tube fitting can be used on a range of thick- or thin-walled, hard or soft tubing, while resisting the effects of pressure and thermal cycling. Contact your authorized Swagelok sales and service representative to see Swagelok's exceptional results in an energy-emission survey.

Swagelok®

The Swagelok Tube Fitting Solutions for the Chemical Industry...

Industry Concerns	Swagelok's Solutions:
1. Leakage	**Excellent gas-tight sealing and consistent reassembly** help ensure your chemical plant systems—batch and continuous processing, fluid flow, heat and mass transfer, mixing, separation, and utilities—operate efficiently and enable you to produce chemicals economically in commercial quantities. Moreover, Swagelok tube fittings minimize fugitive emissions, as well as reduce process fluid leakage and operation costs.
2. Corrosion	**Swagelok tube fittings are available in a variety of materials,** including controlled 316 stainless steel, alloy C-276, alloy 400, and alloy 600 for enhanced corrosion resistance. The unique back-ferrule design and fitting geometry help eliminate dead spots and entrapment of corrosive fluids better than other connection methods.
3. Installation	**Simple installation,** combined with consistent gaugeability upon initial installation, minimizes installation error.
4. Vibration	**The patented case-hardening process and back-ferrule geometry** provide excellent vibration fatigue resistance—even in harsh or stressful environments.

Swagelok tube fittings are available in sizes from 1/16 to 2 in. and 2 to 50 mm in a variety of materials. All Swagelok products are backed by the Swagelok limited lifetime warranty.

For more information, such as laboratory leak-test data, contact your authorized

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