

COMMON PROBLEMS. EXTRAORDINARY SOLUTIONS.



How to Know if Your Gas Distribution System is Operating Safely and Efficiently

Often, Refineries, Research Labs, and other industrial sites aren't fully aware of – or attuned to – how a gas-delivery system, whether engineered and installed in-house or assembled and activated by a gas supplier, could negatively impact the facility's overall Bottom Line.

For example...

are you certain that your system can maintain flow and pressure from the source to the actual point of use so that the gas is obtained at the required pressure, safely and consistency?

High-pressure gases, of course, can be extremely dangerous if not properly contained and handled; gases delivered at too-low pressures indicate inefficiency and pressure losses within a system.

In addition...

leakage can be a major problem, placing personnel and the environment at severe risk, especially if the involved gas is toxic or noxious. But even benign gas leaks are costly and a nuisance for a plant, necessitating too frequent replenishment of on-hand supply.



So, if gas distribution expertise is not available internally, what can you do to achieve optimized performance and profitability?

- First, develop a “big-picture” understanding of your system: How it’s designed, what components are used, and what’s your intended gas usage.
- Once your audit is completed, you’ll be in a superior position to make truly meaningful improvements (reworking your design, upgrading/swapping products...like employing an appropriate regulator, for instance).
- Next, make sure that consistent Gas Distribution best practices are followed and replicated by everyone interacting with your system throughout your facility.

A Swagelok Evaluation process...

is an ideal method to get maximum distribution effectiveness. We’ll start by mapping out your system from the source to point of use – anything from a single gas bottle to a lab bench to a dedicated gas storage room to a bulk depository. We’ll look for leaks, check componentry to ensure what’s being used is a proper fit for your system, and issue you a comprehensive report that will not only depict and prioritize your problem areas...but will provide proven and trusted recommendations to substantially improve your safety, productivity, and profitability as well.

All to help ease some of the maintenance pressure on your inside team – so that you can focus their efforts elsewhere...on more critical matters...knowing that your gas-delivery process simply works.



Support:

Visit www.swagelok.com/en/blog/gas-distribution-evaluations

For more information, contact:


Gary Osman, Swagelok Field Engineer


gary.osman@swagelok.com • 412.761.3212



P: 412.761.3212 **W:** pittsburgh.swagelok.com

 @SwagelokPGH

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