

FIELD PROVEN

Since 1947, Swagelok® products have helped optimize customer fluid-system safety and performance in the Oil-and-Gas, Chemical, Petrochemical, Refining, Power, Steel, Semiconductor, Applied Research, and other industries. Now, **our Field Engineering teams, working in tandem with your local Swagelok Pittsburgh | Tri-State Area technical application specialists**, are delivering unparalleled consultative onsite services to, for starters, assist your efforts to identify risks, reduce operating costs, maintain asset integrity, and significantly lower harmful emissions.

HERE ARE A FEW RECENT EXAMPLES WHERE SWAGELOK MADE A GENUINE BOTTOM LINE DIFFERENCE:



Major compressed air distribution leaks were severely impacting the overall production process for a Chemical plant. The company's product routinely failed to meet quality standards and, thus, often had to be scrapped. **Swagelok Field Engineers**, working in collaboration with this customer, identified leak points, determined root causes, and detailed system design issues that contributed to the problem. End result: **\$65,000** worth of air loss and poor air quality was found, enabling numerous subsystems to be quickly brought back into specification – with the company's product once again meeting quality requirements and shipping on time.



A Power firm wanted to decrease its generation costs to increase the site's profitability. Its kilowatt-hour price to produce electricity was rising, but the amount of energy produced stayed constant. **Swagelok Fluid System Specialists** conducted comprehensive leak-detection evaluations of the company's compressed air and hydrogen systems. A subsequent report showed the root causes for the more than **\$60,000** worth of total leakage...and provided trusted recommendations that yielded improved plant safety and process reliability, plus a much healthier Bottom Line.



Lastly, a Utilities provider sought a dependable way to verify that a hired contractor's work was sufficiently leak-tight prior to critical transfer of ownership. **Swagelok Field Engineers** performed in-depth audits of the onsite power and water plants and detected over **\$200,000** of leakage-related losses. Even more critically, some leaks were on a hazardous gas system that would have resulted in a major – and very costly – facility shutdown.

For the complete story on how Swagelok Field Engineering Services can positively impact your operations, contact Gary Osman at gary.osman@swagelok.com or visit: swagelok.com/en/services/onsite-services/leak-detection/case-studies

THE ONGOING COVID-19 Crisis

Our sincere **Thank You** to our valued customers as you've continued to work with and support us during this global pandemic. We've deeply appreciated your patience when requesting quotes and entering orders while we transitioned many of our associates to remote work environments. Such a move has kept our people safe and healthy – and fully able to serve you. In addition, we salute the Swagelok Pittsburgh | Tri-State Area employees who have remained onsite to ensure that our Warehouse, Custom Fabrication, and Customer Service functions delivered at the high levels you've come to expect from us.

We've also recently begun to safely and effectively restart our Customer Training, Energy Evaluation, and Hose Advisory capabilities. If you have an urgent need to make sure your new or existing maintenance techs know how to properly install tube fittings and bend tubing – or if you want us to assess your site leakage or hose applications, call Rudy Frank at 412.439.1706.

Should you have any additional questions or concerns as we extend our current operating plan, please contact Jim Kasperik at james.kasperik@swagelok.com or call 412.761.3212.



VIRTUAL SUCCESSES

We are grateful to those who tuned in to our two recent hour-long Swagelok® Technical Webinars: *Hose Selection* and *Regulator Selection and Optimization*. Each online event was hosted by our Field Engineer, Gary Osman, and conducted by Swagelok Company Product Managers Doug Nordstrom and Jon Kestner, respectively, who shared their design and application expertise to help you achieve optimum performance in even your most challenging working conditions.

If you missed either of these presentations, please visit: pittsburgh.swagelok.com/en/Resources/Webinars



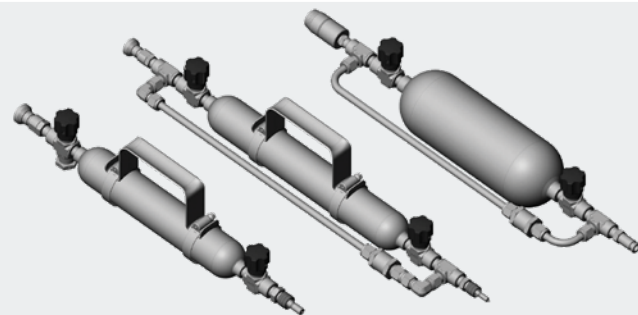
And stay tuned for future Swagelok titles: *Valve Selection*, *Tube Fitting Advantage*, and more!

GRAB THIS MUST-HAVE ACCESSORY

Last issue, we highlighted our two categories of available Grab Sampling Systems: **GSM** (Grab Sample Module) which employ pressure-containing metal cylinders and **GSL** (Liquid-Only Sampling Module) that use economical, non-pressure-containing glass or polyethylene bottles with a self-sealing septum cap.

Our **GSM** panels require a sample cylinder (**GSC**) that can be purchased separately, is DOT or TPED approved, and offered...

- ...in 150cm³, 300cm³, 400cm³, 500cm³, and 1000cm³ sizes
- ...with multiple cylinder and valve material options
- ...with or without a purge bypass tube
- ...with your choice of Swagelok® quick connect fittings
- ...with optional outage tubes, rupture discs, and handles
- ...with stem and body protectors
- ...with a PTFE-coated inner wall, SilcoNert® coating, or electropolished inner diameter



Every Swagelok GSC is shell tested at the selected gauge pressure of the grab sample assembly, up to a maximum of 1000 psig, and is cleaned in accordance with Swagelok Standard Cleaning and Packaging practice SC-10.

For more information, visit: pittsburgh.swagelok.com/en/Products/Grab-Sampling-Systems

PREMIUM PROTECTION FOR YOUR VALUABLE ROTATING EQUIPMENT

(PART 1)

Swagelok® Mechanical Seal Support Systems are simply better by design. Our API 682 Seal Plan Kits (bent tubing and various 2" and under Swagelok components) and Seal Plan Assemblies (panels, seal pots, or skids) prevent fluid system leakage and harmful emissions, while also containing pressure.

Our Seal Support Systems are easy to configure, locally built by Swagelok Pittsburgh | Tri-State Area, ultra-reliable, simple to install, and require minimal maintenance.

We offer Kits for Process Side Plans 11, 12, 13, 14, 21, 22, 23, 31, and 41 – and for Atmospheric Side Plans 51, 62, 65A, and 65B. Each kit includes a collection of Swagelok products that are used in conjunction with bent tubing to complete the plan – and to provide far superior leak protection versus typical threaded and/or welded pipe connections.

Here's an example: Replace traditional threaded and/or welded pipe connections with **bent tubing and 2" and under Swagelok components**.



In our Fall issue, we'll discuss Swagelok Seal Plan Assemblies available for Process Side Plan 32 and for Between Seal Plans 52, 53A, 53B, 54, 55, 72, 74, 75, 76, and 72/76. In the meantime, visit the complete Swagelok Seal Support Systems story: pittsburgh.swagelok.com/en/Products/Mechanical-Seal-Support-Systems



Relief for Your Safety Pressures

FACT: Up to 42% of safety incidents are due to **preventable** errors.

Swagelok® fluid system products are designed and made with only premium materials, built to exacting manufacturing tolerances, and routinely and rigorously tested to keep your workers, equipment, and site safe. That's always been – and always will be – our job #1. But we also offer a suite of Strategic Services to help ensure the health and well-being of your operators and operations.

Our all-day, hands-on *Swagelok Fitting Installation & Tube Bending Safety Essentials* course is the ideal starter OR refresher class for your maintenance technicians. We supply all training materials; your employees simply need to show up to our Training Center in Pittsburgh...or we'll come to your site! Graduates are awarded an official Swagelok Certificate of Completion, plus Continuing Education credits.

A Swagelok Energy Evaluation will find and report your major (and costly) air or gas line leakage. We'll even issue you a comprehensive report loaded with expert recommendations to boost your fluid-system performance and efficiency. Our

Swagelok Hose Advisors will come to your site to observe your current hose applications and selecting/sizing/storing practices. We'll then provide you our expert advice for improving your overall hose safety, productivity, and health, including a maintenance schedule.

SWAGELOK PITTSBURGH | TRI-STATE AREA ASSOCIATE PROFILE



JIM KASPERIK,

DIRECTOR OF OPERATIONS

In his multi-level Senior Management role, Jim is responsible for our critical Warehouse, Fabrication, Customer Service, Quality, and Associate Development functions. Now in his ninth year with us, this Derry native and current Sewickley resident, comes from a notable Corporate background – serving several years as Director of Services for Tooling U, a subsidiary of the Society of Manufacturing Engineers, and, prior to that, as Global Manager of the Kennametal Knowledge Center in Latrobe.

Jim's other positions at Kennametal Inc., a \$3-billion maker of cutting tools and systems for the worldwide Automotive, Aerospace, and Earthworks industries, included stints in Engineering, Marketing, Sales, and Manufacturing.

He holds an MBA from Penn State University and a BS degree in Mechanical Engineering from Carnegie Mellon University. Jim is an avid distance runner (53 marathons/half-marathons and counting!), an active member of Tedy's Team for Stroke Awareness – raising more than \$100,000 to honor his late father, and a dedicated follower of the Steelers, Penguins, Pirates, and, of course, Nittany Lions.

CONTACT US

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