



## Swagelok® Fluid System Evaluation and Advisory Services

# Improve Performance and Safety. Reduce Costs and Labor Time.

### Find Your Opportunities to Receive More From Your Fluid Systems

Let us help you solve your biggest fluid system challenges—quickly and efficiently. Our fluid system evaluation and advisory services bring our technical expertise, application experience, and industry knowledge to your facilities to help optimize the safety, productivity, and profitability of your fluid systems. Our certified, locally based associates help you diagnose and resolve fluid system issues to improve operational performance, reduce cost and labor time, and help mitigate safety, quality, and environmental risks.

### Here's What to Expect When Our Fluid System Specialists Visit

When Swagelok field engineers arrive at your facility, they will start by conducting a site evaluation, taking an in-depth look at your fluid systems. They will evaluate:

- Specific components such as fittings, tubing, hoses, valves, and gauges for best practices to ensure optimal fluid system operation
- Compressed gas systems for opportunities to reduce leaks
- Overall fluid system health to identify opportunities to maximize uptime

### Get the Insights Needed to Make Smart Investment Decisions

Throughout the process, our fluid system experts will capture details of their observations in Swagelok's proprietary onsite inspection mobile application, cataloging notes and photos as well as key fluid system operating statistics. You will then receive a comprehensive report created to identify key issues and recommended solutions, including:

- Estimated costs of existing, unrepaired leaks
- Areas of concern categorized by severity
- Photos that clearly identify locations of problems
- Steps that can be taken to remedy issues

### Get Started Today

Learn more about our [fluid system evaluation and advisory services](#) as part of our comprehensive onsite services. Contact [Swagelok Western New York](#) to schedule an appointment.





# Quickly Assess the Situation With Our Easy-to-Follow Report.

The report example below is a representation of the type of information you would receive from a Swagelok evaluation. Your actual report would reflect information more specific to the service being performed.

Fluid System Evaluation and Advisory Service  
Customer Name : Site Name  
Appendix C - Issues by Issue Tag ID

Issue Tag ID : 0001 Category : 2

Plant Area: Air Supply Part Material: Stainless Steel  
Customer Tag ID: PI-120C Connection Type:  
Location: North Side of Plant Connection Size: 1/2 in  
GPS Location:  
Part Description: 0-100 PSIG Pressure Gauge  
Process Fluid: Air Type of Part: Measurement Devices  
Pressure: 100 psig Manufacturer: Unknown  
Temperature: 70 F Part Number:  
Issue: Incorrect Part Equiv Swagelok Part: PGI-63C-PG100-LAOX  
Description: Gauge is being used near max range which may cause damage and over pressurization.  
Other Findings:  
Possible Solution: Replace component(s) according to manufacturer's instructions  
Ultrasound dB: n/a  
Ultrasound ID: n/a

Issue tag IDs sorted numerically

Concerns categorized by severity

Locations called out within plant

Issues quickly identified

Information also sorted by category and plant area

IMPORTANT: Always depressurize the system before working on, disassembling or assembling a fluid system. Product Selection: When selecting a product, the total system design must be considered to ensure safe, free performance. Function, material compatibility, adequate ratings, proper installation, operation, and maintenance are the responsibilities of the system designer and user.  
NOTE: Where the Part Number is followed by " \*\* ", it should be confirmed before placing an order.

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Fluid System Evaluation and Advisory Service  
Customer Name : Site Name  
Appendix A - Issues by Category

Issue Category : 1 (Number of Issues in this Category : 3)

Issue Tag ID	Part Type	Issue	Plant Area	Cust Tag ID	Description	Fixed
0003	Hose	Small Leak	Air Supply	F0012	Leakage apparent by snoop testing at end connection. Hose cover is worn and damaged.	<input type="checkbox"/>
0009	Fittings	Undertightened	Air Supply	NA	Tube fitting measured with gap gauge to be severely under-tightened. Fittings are installed with no clearance for maintenance.	<input type="checkbox"/>
0004	Fittings	Intermittent	Air Supply	T-0026	Backer test with	<input type="checkbox"/>

Issue Category : 2

Fluid System Evaluation and Advisory Service  
Customer Name : Site Name  
Appendix B - Issues by Plant Area

Plant Area : Air Supply (Number of Issues in this Plant Area : 9)

Issue Tag ID	Part Type	Issue	Category	Cust Tag ID	Description	Fixed
0008	Fittings	Small Leak	2	CV 0045	Leak at fitting end connection detected by Snoop, appears to be missing PTFE tape	<input type="checkbox"/>
0006	Valves	Corrosion	2	CV 0087	Valve displaying corrosion which may impact serviceability	<input type="checkbox"/>
0007	Piping	Small Leak	2	F 0001	Leakage detected at pipe fitting connections using Snoop	<input type="checkbox"/>
0003	Hose	Small Leak	1	F0012	Leakage apparent by snoop testing at end connection. Hose cover is worn and damaged.	<input type="checkbox"/>
0005	Fittings	Corrosion	2	G 0265	Severe corrosion	<input type="checkbox"/>
0002	Tubing	Support				<input type="checkbox"/>

