



Swagelok® Sampling System Evaluation and Advisory Services

Improve Your Reliability With Swagelok Sampling System Evaluation and Advisory Services.

Understand the Adjustments Needed for Representative Sampling

Inaccurate samples can result in sampling system inefficiency, affecting overall quality of your process outputs. Improve your sampling system accuracy by having experts visit your facilities to conduct in-depth analysis of your sampling systems, from process tap to analyzer.

Swagelok sampling system specialists ensure your samples are representative of process fluids, are delivered to the analyzer in a timely manner, and are compatible with the analyzer. As they evaluate your systems, they will document their findings using Swagelok's proprietary onsite inspection mobile application and offer recommendations. The results can include increased productivity, reduced operating expenses and maintenance costs, and identification of unseen opportunities for overall system improvement.

We Document Your Existing Systems and Provide a Detailed Report, Helping You:

- Eliminate causes of poor sample quality, such as blockage or moisture carryover
- Reduce required maintenance and analyzer downtime by optimizing system design, including proper probe design and tap location
- Resolve issues caused by high particulate loads by implementing filter and separator best practices and calculating sample transport times

Learn More

Our [sampling system training courses](#) combine our product and sample systems knowledge with insight from recognized leaders in the field, including Tony Waters, industry expert and author of the technical reference book, *Industrial Sampling Systems*. Gain valuable knowledge from seasoned instructors, each with over 30 years' experience, no matter your industry or level of experience.



Get Started Today

Learn more about our [sampling system evaluation and advisory services](#) as part of our comprehensive onsite services. Contact your [Swagelok Southern California account manager](#) 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: PH-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: 73 F Part Number:
Issue: Incorrect Part Equip Swagelok Part: PGM3C-PG100-LA0X
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 ID: n/a
Ultrasound ID: n/a

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, trouble 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 "XXX", it should be confirmed before placing an order.

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Issue tag IDs sorted numerically

Concerns categorized by severity

Locations called out within plant

Issues quickly identified

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

Issue Tag ID	Part Type	Issue	Plant Area	Issue Tag ID	Description	Fixed
0001	Weld	Small Leak	Air Supply	PH12	Leakage apparent by strong feeling of wind connection. Hose cover is worn and damaged.	<input type="checkbox"/>
0002	Fittings	Undertighten	Air Supply	PH	Tube fitting measured with gap gauge to be severely under-tightened. Fittings are insulated with an insulator for maintenance.	<input type="checkbox"/>
0003	Fittings	Leakage	Air Supply	PH12	Leakage apparent by strong feeling of wind connection. Hose cover is worn and damaged.	<input type="checkbox"/>

Information also sorted by category and plant area

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

Issue Tag ID	Part Type	Issue	Category	Issue Tag ID	Description	Fixed
0001	Fittings	Small Leak	2	PH12	Leak of fitting and connection detected by strong feeling of wind connection. Hose cover is worn and damaged.	<input type="checkbox"/>
0002	Valves	Corrosion	2	PH12	Valve displaying corrosion which may impact serviceability.	<input type="checkbox"/>
0003	Piping	Small Leak	2	PH12	Leakage detected at pipe fitting connections using肥皂.	<input type="checkbox"/>
0004	Weld	Small Leak	1	PH12	Leakage apparent by strong feeling of wind connection. Hose cover is worn and damaged.	<input type="checkbox"/>
0005	Fittings	Corrosion	2	PH12	Leakage apparent by strong feeling of wind connection. Hose cover is worn and damaged.	<input type="checkbox"/>
0006	Fittings	Support	2	PH12	Leakage apparent by strong feeling of wind connection. Hose cover is worn and damaged.	<input type="checkbox"/>

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