



Swagelok® Steam Trap Testing

Optimize Steam System Performance. Reduce Energy Loss.

Rely on Swagelok to Improve Your Steam System

Find out where your plant is losing energy with a thorough steam trap test conducted by Swagelok specialists. By implementing a testing and maintenance program your facility can recapture hundreds of thousands of dollars in lost energy. Leaks cost money and produce unnecessary emissions. A single 1/8-inch steam leak on a 150 psig steam line could cost \$4,945 per year, and the same steam leak will produce 69,000 pounds of CO².

What's Included in the Steam Trap Test

Steam trap installation: We will review your system installation to include proper trap location, orientation, isolation and protection.

Steam trap operation: We will identify trap type, proper operation and common failure mechanisms.

Condensate recovery: We will review integration of trap discharge into condensate system to include proper installation and isolation.

Emissions reductions: You will receive a final report that includes emission generation results due to failed traps and a reduction plan once traps are repaired.

Our Testing Methods

As part of our Swagelok® Onsite Services program, your trap test will be conducted by one of our field engineers who will visit your facility for a thorough evaluation. An audit may include:

Ultrasound: This allows our auditor to listen to what is happening inside your traps.

Thermal: Using a non-contact temperature gun, our auditor can tell if the trap is plugged and get an approximation of the steam pressure.

Visual: As one of the most reliable methods, visual testing can be used when test valves are installed or when the trap drains to atmosphere.

How We Can Help You

Tagging: If your traps are not already tagged, our auditor can help locate and number them for easy identification.

Reports: Once testing is complete, a complete list of all traps tested will be provided to include model, condition, temperature, location, operation design and system.

Training: Ask us about steam system training. We can conduct a specialized training tailored to your specific requirements.

Get Started Today

Work with Swagelok field engineers to improve your steam system and save money in the process. Contact [Swagelok Minnesota](#) | [North Dakota](#) | [Appleton](#) 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

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	Intermix	Air Supply	T 0026	Parker tee with	<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

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"/>

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 " * ", it should be confirmed before placing an order.

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