



Swagelok®

Swagelok Sub-Saharan Africa

Swagelok® Grab Sample Systems

Locally built and supported for increased uptime and efficiency

Swagelok® grab sample systems are custom engineered to provide safe, efficient, and reliable sample collection tailored to your specific process application. Available in a range of configurations with advanced features, each system is designed to meet your operational requirements while helping improve safety and performance. Backed by local support and technical expertise, you can count on fast, dependable service whenever you need it.

- Designed and built with the reliable components you trust from Swagelok
- Local, certified fabrication and support experts
- Versatile mounting options for easier installation
- Standard and customised sample systems can be configured using a part number table for simplified ordering
- Additional instrumentation is available, including gauges, meters, and flow indicators
- All Swagelok products are backed by the Swagelok Limited Lifetime Warranty





Swagelok Provides:

- Standard designs built according to best practices
- Panel configuration to meet system requirements
- Assembly and testing by local certified technicians
- Sampling recommendations from subject matter experts
- Simple, effective sample capture and containment
- The ability to keep samples in their representative state
- Ease of installation, operation, and maintenance
- One supplier for all components and one part number for panels
- The backing of the Swagelok Limited Lifetime Warranty

Swagelok can help you



ASSESS

Our team of highly trained and certified technicians and engineers will evaluate your current sampling system and assess your needs to help you receive repeatable, representative samples quickly and cost-effectively.



RECOMMEND

Our team will take you through a checklist of details to ensure you receive a sampling panel that meets your needs. Based on the established parameters, a certified Swagelok professional will review your information and recommend the right panel for you.



CONFIGURE

Using our standard panel designs as a platform, we can work with your team to customise your solution.



ASSEMBLE

We take the work of sampling system assembly off your team, fabricating the system and testing for reliability. Every local Swagelok technician undergoes comprehensive training and certification to ensure your sample panel adheres to strict guidelines and to your specifications, and our certified engineers will monitor each step of the process.

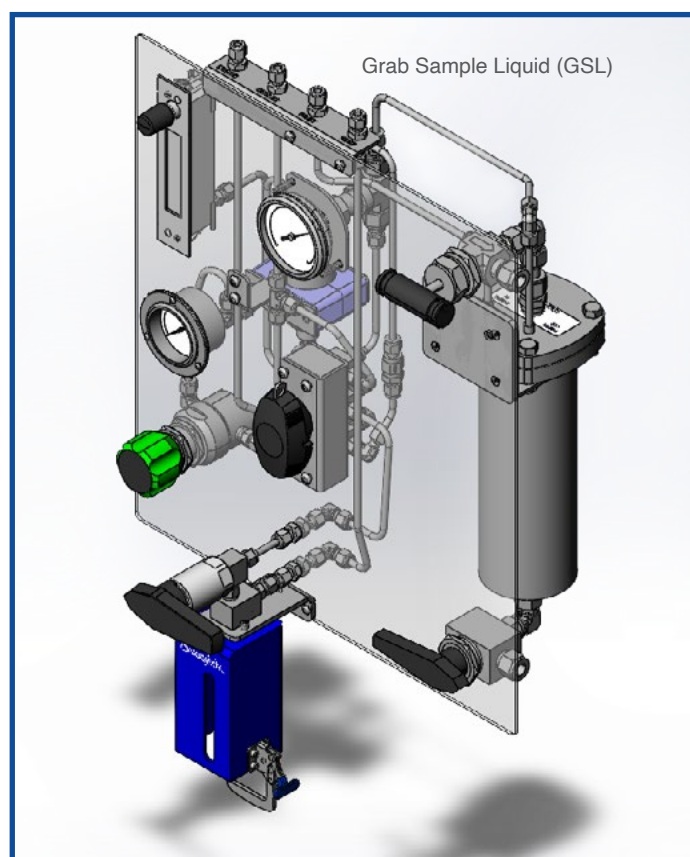


Swagelok offers two categories of grab sample systems

The Swagelok® grab sample liquid (GSL)

is a liquid-only sampling system for drawing fluid into a non-pressure containing bottle with a self-sealing septum cap in applications where the process fluid is not at risk of fractionating when stored at atmospheric pressure.

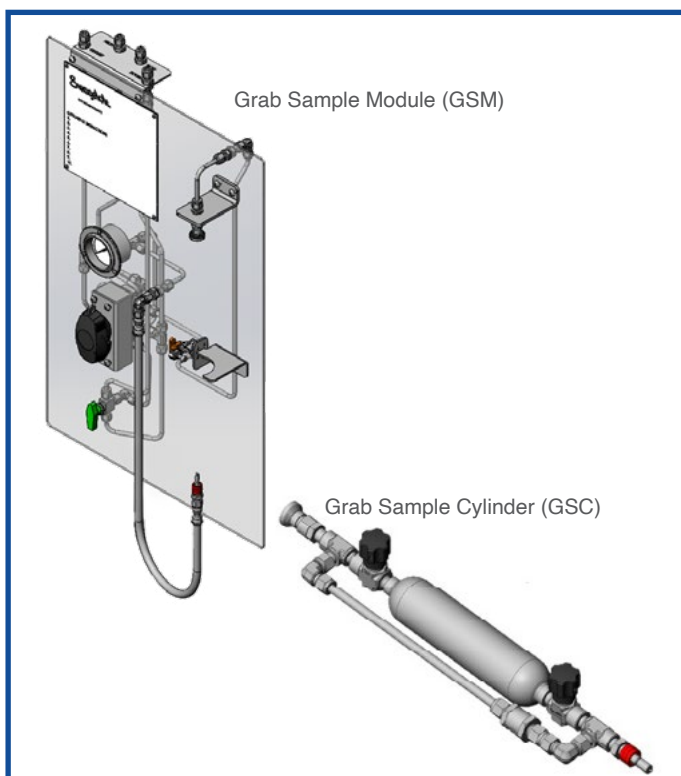
- The GSL can use lower-cost glass or polyethylene laboratory bottles to draw and store samples. Using bottles provides immediate feedback on the visual quality of the sample stream.
- Samples can be drawn and transported without the risk of spillage or evaporation. A spring-return handle on the sample-drawing mechanism prevents unintentional dispensing.
- Fixed-volume Swagelok GSL systems use the same switching valve as a GSM system to provide simplified operation for complex tasks



The Swagelok® grab sample module (GSM)

is a sampling panel that uses sealed, metal, pressure-containing cylinders to capture either liquid or gas.

- This closed-loop system uses differential pressure to drive fluid from the sampler to the process or flare. The GSM can be left in the bypass or sample position indefinitely, keeping transport lines fresh and ready for sample capture.
- A grab sampling cylinder (GSC) is docked, and process fluid is continuously circulated within to maintain process conditions. A GSC—available in various configurations—is required for every GSM system and should be ordered separately when purchasing a new GSM.
- GSM panels feature a switching valve configuration with two or three Swagelok® 40G series ball valves allowing for simultaneous control of fluid routing. These configurations reduce the number of sequencing steps required and give a clear indication of sequencing, reducing the likelihood of errors.



Typical products used in standardised grab sample systems include:

GSL Components	GSM Components
Sample Valve Swagelok 40T/40G series and 60 series	Switching valve Swagelok 40G series
Check valve Swagelok CH series	Check valve Swagelok CH series
Regulator Swagelok KPR series	Hose Swagelok FL and FM series
Pressure indicator Swagelok S model Pressure gauge	Pressure indicator Swagelok S model gauge
Flowmeter Swagelok G2 model	Relief valve, Proportional Swagelok 3A series
GSV grab sampling valve	Cylinder

Swagelok® grab sampling systems can also be customised with a variety of accessories to suit your operations, including:

- Additional instrumentation (gauges, flowmeters, and transducers)
- Sample coolers
- Process connections (threaded and flanged)
- Enclosures and stands
- Automation
- Outage tubes
- Nonrotating stem needle valves
- Rupture disc units
- Relief valves
- Carrying handles

These components are integrated into grab sample systems to provide safe, reliable, and representative process sampling while minimising operator exposure and maintaining sample integrity. The exact configuration depends on the application, process fluid, pressure, temperature, and whether the system is designed for liquid or gas sampling.





Contact Us to Learn More

Whether you need reliable grab sampling assemblies, supporting services to optimise your sampling processes, or training to help you cost-effectively manage your sampling processes, we can help.

Swagelok is prepared to provide you with accurate, safe grab sample systems customised to your exact specifications and completed with a turnaround to fit your schedule. For more information or a quote, or to see the various configurations available with a Swagelok® grab sample system, contact Swagelok Sub-Saharan Africa.

SWAGELOK SUB-SAHARAN AFRICA

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