Gas
Liquid & Slurry
Solid & Powder
Steam & Water

SENTRY MLG SAMPLER

Low Emission Samplers

MANUAL SAMPLING

The Sentry® MLG manual low emission sampler is ideal for sampling liquified petroleum gas (LPG) and other two-phase liquids—gases that are pressurized, stored and transported in their liquid phase—with high vapor pressures.

MODEL

MLG

BENEFITS

The Sentry MLG sampler incorporates a number of features to provide for safe, simple and represenatative sampling. The six-port tandem valve simplifies sampling by replacing multiple valve operations with just one ergonomically-designed valve. The sampler action is repeatable, so the sample is always as representative as possible.

By using an expansion vessel to reduce sample cylinder volume after the sample is captured, both safety (outage space for transport of the cylinder assembly) and representative sampling are assured for the most accurate data analysis results.

Modes of operation include:

Off *(insert cylinder)*: Switching valve handle is in off position, blocking both side ports on both three-way valves on switching valve. There is no flow through the sampler.

Sample: Switching valve handle is turned to sample position; sample flows through sampler and connected sample cylinder, essentially a purging/filling process.

Isolate: Sample is isolated in cylinder by closing cylinder valves. Outlet cylinder valve (bottom) must be closed first if sample needs to be maintained at system pressure.

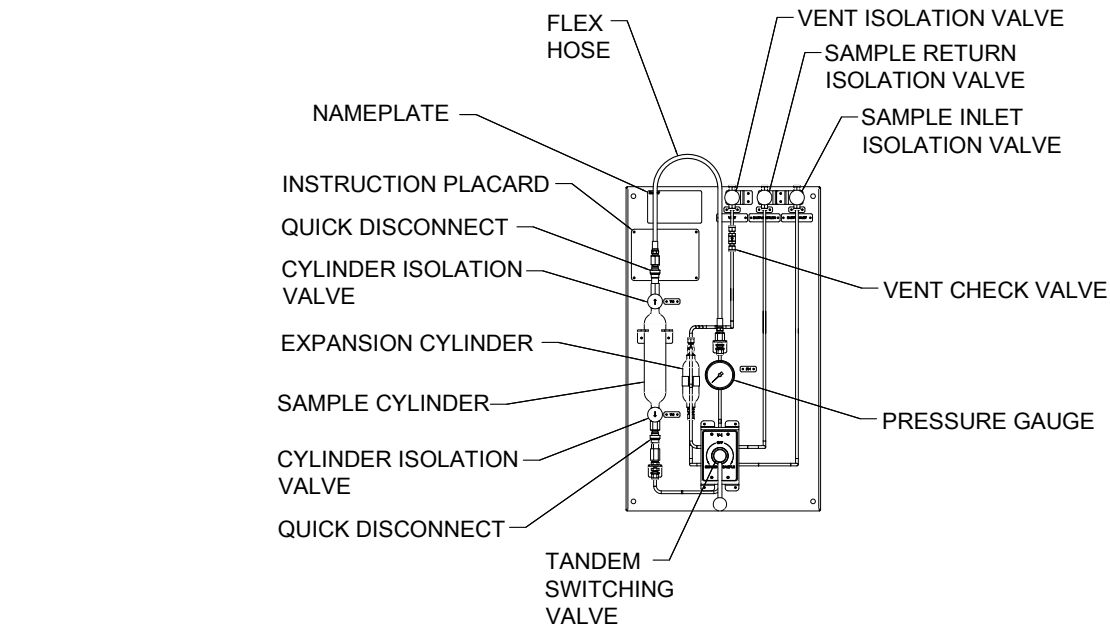
Vent: Switching valve handle is turned to vent/depressurize position and all sample gases in the lines on either side of the sample cylinder are vented to a low pressure flare/vent header or local vapor recovery device.

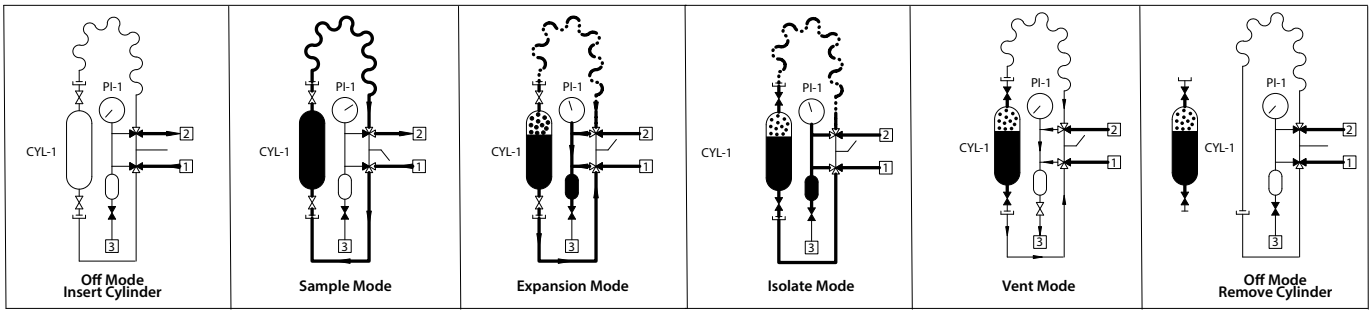
Off *(remove cylinder)*: Switching valve handle is turned to off position, blocking both side ports on both three-way valves on switching valve. As sampler lines are vented, disconnecting the cylinder can be done safely.

FEATURES

- Allows for flushing of sample panel and cylinder to increase sample accuracy without discharge to the atmosphere or wasting product
- Ergonomic design reduces turning torque and eliminates repetitive wrist action
- Six-port/multi-function tandem valve simplifies operation and reduces valve maintenance
- Variety of configurations to meet any gas sampling need
- Connection sizes from 1/4 to 1/2-inch (8 to 15 mm), including compression, socket weld, flanged or NPT
- Options include sample cooler, in-line filter, cooling water valves, check valves, carbon canister, nitrogen purge, flow indicator, cylinder relief valve, rupture disc, pipe stand, heater and enclosures; valve package for applications without process return

Sample. Monitor. Measure.
SENTRY
Any Application. Anywhere.





SPECIFICATIONS

materials	304 stainless steel backplate; 316 or 304 stainless steel cylinders
wetted materials	316 stainless steel, PTFE, Viton®, Kalrez®
standard pressure rating	1800 psi at 100°F (125 bar at 38°C)
standard temperature rating	300°F at 1230 psi (149°C at 85 bar); higher temperatures available

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