



Gas



Liquid & Slurry



Solid & Powder



Steam & Water

SENTRY MCL SAMPLER

Low Emission Samplers

MANUAL SAMPLING

The Sentry® MCL sampler is ideal for sampling liquid material. Closed-loop cylinder sampling is the safest and most effective way to obtain and transport representative samples without danger to the operator or environment. With the sample source and the sampler purged as part of every sampling cycle, a new representative sample is obtained during each and every sampling event.

MODELS

MCL

BENEFITS

The Sentry MCL sampler provides representative samples while protecting the safety of operators and the environment. The sampler features a tandem switching valve so multiple functions easily are integrated into one device.

All operations are controlled with a simple four-position sample selection valve for ease of operation. Modes of operation include:

Off (insert or remove cylinder): Turn handle to OFF position, blocking both side ports on both three-way valves on the switching valve. No flow through the sampler.

Sample: Turn handle to SAMPLE position. Sample flows through sampler and connected sample cylinder, essentially a purging/filling process.

Isolate: Close cylinder valves to isolate sample in the cylinder. Outlet valve must be closed first if sample needs to be maintained at system pressure.

Vent: Turn handle to VENT position to vent all sample gases in the lines on either side of the sample cylinder to a low pressure flare/vent header or vapor recovery device.

FEATURES

- Tandem switching valve integrates multiple functions into one device
- Ergonomic design reduces turning torque and eliminates repetitive wrist action
- Self-sealing quick disconnects and fittings allow for easy removal and transportation of the sample cylinder and prevent leakage when the cylinder is removed
- Available sample cylinders include shutoff valves and quick disconnects
- Connection sizes range from 1/4 to 1/2 inch (8 to 15 mm) and are NPT, compression, socket weld or flanged
- Variety of configurations to meet any gas sampling need
- Options include sample cooler, in-line filter, carbon canister, check valves, nitrogen purge, flow indicator, cylinder relief valve, rupture disc, pipe stand, heater, and enclosures



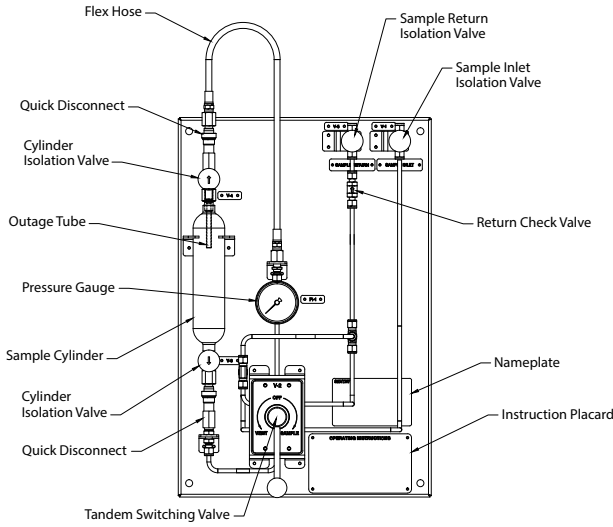
Sample. Monitor. Measure.



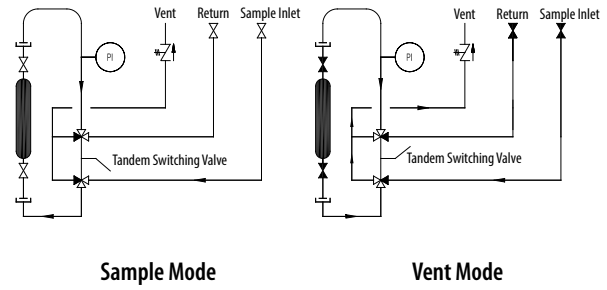
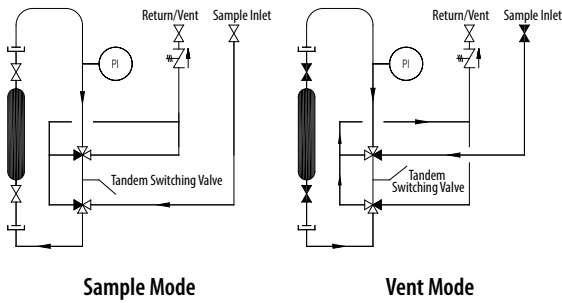
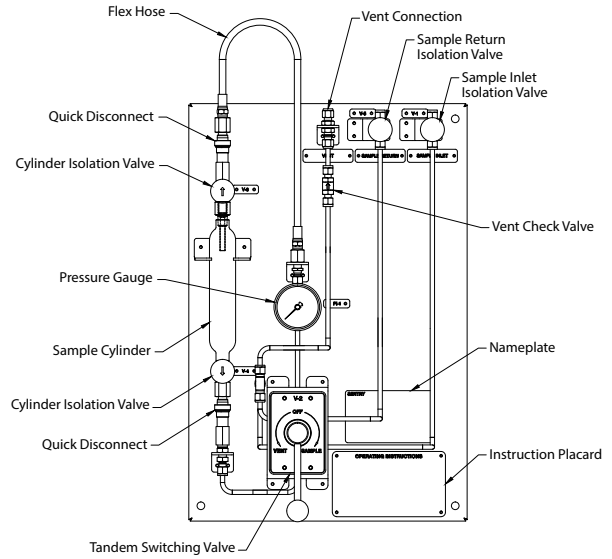
SENTRY

Any Application. Anywhere.

MCL with Sample Inlet and Return/Vent



MCL with Sample Inlet, Sample Return and Dedicated Vent



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	up to 300°F at 1230 psi (149°C at 85 bar); higher temperatures available



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