

Manual Sampling

High Viscosity | Liquid | LPG | Gas



Chemical | Hydrocarbon Processing





A Better Sampling Solution

A Safe

High-Temperature + High Viscosity

Sentry® Cobra HTHV Sampler

- For high-temperature, high-viscosity applications such as hot oil, residual oil, vacuum tower bottoms, slurries, asphaltenes
- Flow-through valve assures immediate, representative sampling
- Multi-turn valve allows throttling of sample flow
- Replaceable steam-jacketed stinger
- Enclosure with viewing window protects personnel during sampling operation



Liquified Gas/Gas

Sentry MLG Sampler

- Ideal for sampling liquified petroleum gas (LPG) and other two-phase liquids with high vapor pressures
- Six-port multi-function tandem valve simplifies operation and reduces valve maintenance
- Expansion vessel reduces sample cylinder volume after the sample is captured, assuring safety, accuracy, and a representative sample



Sentry Cobra C Sampler

- For gas and light liquid hydrocarbon applications
- Uses a multi-ported valve to simplify extraction while maintaining integrity of the sample
- Complies with LDAR and MACT requirements
- Ideal for use in petrochemical, refinery and natural gas industries



Sentry Cobra DT Sampler

- For gas applications, including toxic gases measured with detector tube
- Perform detector tube measurements safely, quickly and efficiently
- High-pressure regulator and pressure gauge allow operator to regulate pressure prior to sampling
- Ideally suited for petrochemical, natural gas, and specialty gas industries.



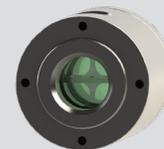
Accessories



The **Sentry Carbon Canister** with telltale assembly is designed to absorb hydrocarbon gases vented from Sentry manual low-emission samplers.



The **Sentry Flo-Lenz** sight flow indicator's two viewing windows allow the application of additional light to confirm that a sample stream is flowing as specified.



The **Sentry Cobra SFI** flush-mounted sight flow indicator allows operators to visually confirm flow without disrupting the process.

ion. er Sampling Experience.

Liquids



Sentry Cobra SS Sampler

- For low vapor pressure liquids
- Emission-free design is safe for the operator and the environment
- Flow-through valve for a representative sample without the wait
- Multi-turn handle permits precise flow control
- Simple to install and easy to operate
- Complies with all EPA and LDAR requirements



Sentry MIL Sampler

- For sampling liquids in-line in refining, chemical, petrochemical and nuclear applications
- Close-coupled ball valve for high-pressure, low dead volume in-line sampling
- Patented side-discharge dual needle assembly ensures septum integrity and full venting of process vapors
- Spring-loaded shut-off handle provides proper sample control and quick closure upon release of the sampling valve



Sentry MVD Sampler

- For closed-loop sampling in refining, chemical, petrochemical and nuclear applications
- Double-block valve minimizes dead volume and provides an extra degree of safety for operators
- Patented side-discharge dual needle assembly ensures septum integrity and full venting of process vapors
- Adjustable throttle stop and spring-loaded throttling valve provide proper sample control and quick closure upon release of the sampling valve

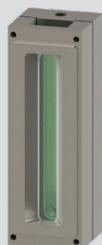


Sentry Cobra FV Sampler

- Safely and efficiently collect a fixed volume of high-pressure liquids
- Flow-through valve ensures constant representative process flow and allow immediate sampling
- Sample extraction with simultaneous nitrogen purge ensures the cleanest possible sample
- Complies with all EPA and LDAR requirements



The **Sentry Level-Lenz** sight level indicator's two viewing windows allow the application of additional light to monitor the level of a liquid within a closed loop sampling process.



The **Sentry Cobra SFLI-3** flush-mounted level indicator allows operators to visually monitor the level of liquid within a closed-loop sampling process.



Sentry Cobra cap and septa protect operators from harmful exposure, are cost effective and available in a variety of sizes.

SENTRY PROSHIELD LIFECYCLE SERVICES

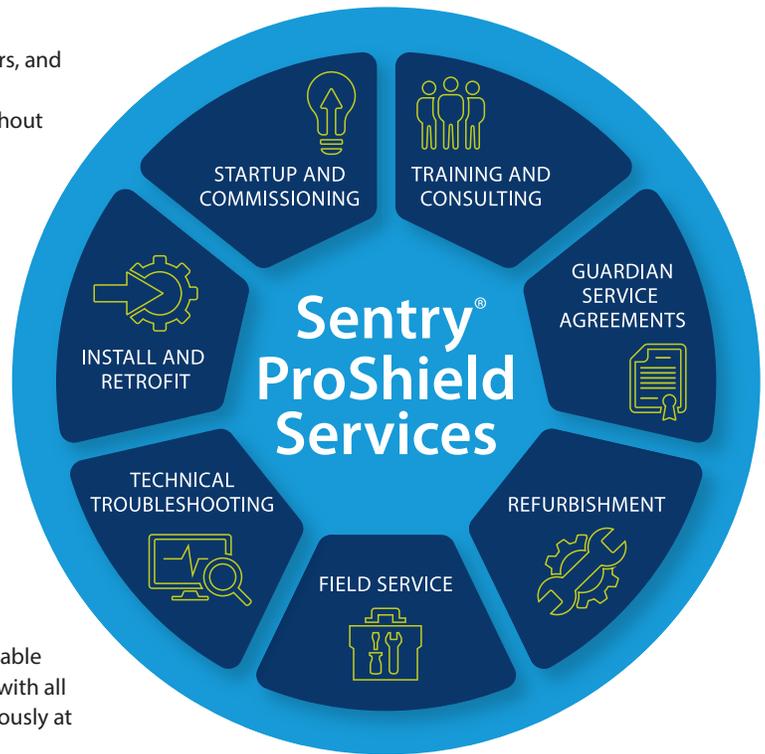
Sentry ProShield Lifecycle Services provides chemists, engineers, and operation managers the technical support needed to ensure maximum uptime of sampling and analysis equipment throughout its life.

Highly-trained, factory authorized service technicians apply over 90 years of technical expertise to help maintain safe, reliable and efficient performance from installation to equipment shutdown in refining and petrochemical process environments.

ProShield Lifecycle Services include:

- Install and Retrofit
- Startup and Commissioning
- Training and Consulting
- Refurbishment
- Call-out Service
- Technical Troubleshooting
- Maintenance Plans

For Sentry ProShield Services, safety is a top priority. Our field service technicians have never had a lost-time or even a reportable incident. We are a proud member of ISNetworld scoring an "A" with all of our regular clients. Sentry employee-owners take safety seriously at our facility and yours.



SENTRY PROSHIELD TECHNICAL TROUBLESHOOTING

Our experienced technical staff of expert technicians is available to help you troubleshoot performance of all Sentry products. We also have a full range of installation, operation, and maintenance manuals to fix any issues that may arise. Whenever a system isn't performing as expected, our Technical Troubleshooting experts are merely a phone call away to help solve minor problems without needing to wait for a technician to arrive.

Sentry ProShield Technical Troubleshooting has the answers to get your sampler equipment running efficiently again as soon as possible.

sentry-equip.com/services



sentry-equip.com

966 Blue Ribbon Circle North, Oconomowoc, WI 53066 U.S.A. | +1-262-567-7256 | sales@sentry-equip.com

© 2018 Sentry Equipment Corp. All rights reserved. Sentry and Safe-T-Vise are registered trademarks of Sentry Equipment Corp. All product and company names are property of their respective owners.

S-MS-BRO-00529-0 03-18