

# Single Line Sample Panels

Optimize Plant Performance

FOR STEAM & WATER



MORE THAN 85 YEARS OF  
SAMPLING EXPERIENCE

[www.sentry-equip.com](http://www.sentry-equip.com)



# PRE-ENGINEERED ASSEMBLIES FOR CONDITIONING WATER, STEAM, OR PROCESS LIQUIDS

**S**ingle line sample panels are pre-piped assemblies used to simplify the conditioning of steam, water or non-hazardous process samples. The major application is for individual samples that are remotely located throughout the plant or for a small number of samples in a central location. Any sample can be easily conditioned to give a safe and representative sample with just the addition of cooling water.

There are two versions of Sentry® single line sample panels — one for grab samples only (SL-100) and the other for both grab and on-line analysis (SL-200).

Model selection is based on pressure and temperature limits. For samples up to 500 psig/450°F (34 barg/232°C) low pressure models (SL-100L & SL-200L) are appropriate. High pressure models (SL-100H & SL-200H) handle sample pressures and temperatures up to 3030 psig/1000°F (209 barg/538°C).

Note: High pressure panels rated up to 5000 psig (345 barg) are available upon request.

Whether you purchase an individual single line sample panel or an integrated rack, you get a completely engineered sample conditioning system from one reliable source – Sentry Equipment – the world leader in sampling components and systems.

## Select from a Variety of Standard and Optional Features to Meet Your Specific Sampling Needs

### SL-100

*for grab samples*

#### SL-100 Includes:

- TLR-4225 Sample Cooler
- Cooling Water Valves
- Sample Isolation Valve
- Thermometer
- Sink
- Pressure Reducer Needle Valve for SL-100L, or VREL® Valve for SL-100H

#### SL-100 Options:

- Cooling Water Sight Glass
- FLR-6225 Sample Cooler
- Secondary Sample Cooler
- High Pressure Blowdown Valve
- Sample Side Relief Valve
- Shell Side Relief Valve
- Thermal Shut-Off Valve
- Total Flow Indicator
- Floor/Wall Mounted Rack

### SL-200

*for grab samples & on-line analysis*

#### SL-200 Includes:

- TLR-4225 Sample Cooler
- Cooling Water Valves
- Sample Isolation Valve
- Sink
- Pressure Reducer Needle Valve for SL-200L, or VREL® Valve for SL-200H
- Back-Pressure Regulator/Relief Valve
- Thermometer
- Total Flow Indicator
- Analyzer Connection

#### SL-200 Options:

- Cooling Water Sight Glass
- FLR-6225 Sample Cooler
- Secondary Sample Cooler
- High Pressure Blowdown Valve
- Sample Side Relief Valve
- Shell Side Relief Valve
- Thermal Shut-Off Valve
- Low Pressure Blowdown Valve
- Sample Filter
- Pressure Gauge
- Floor/Wall Mounted Rack
- Sample Sentry II

**OPTIMIZE PLANT PERFORMANCE WITH SENTRY SINGLE LINE SAMPLE PANELS**

To learn more about Sentry Equipment and to download referenced bulletins visit us at:

[www.sentry-equip.com](http://www.sentry-equip.com)

# INTEGRATED RACK SYSTEM CONFIGURATIONS

## Floor and Wall Racks Simplify Installation

Sentry® single line racks can be mounted in a variety of configurations to create custom sample systems.

Both the freestanding and wall mountable racks come with full-width worktable sinks and pre-piped cooling water headers to reduce installation time and cost.

## You Choose the Options

Individual single line panels or multi-panel racks can be customized to meet your special requirements. Complete mechanical and electrical systems with full documentation are available.

- Add an analyzer or other analysis product.
- Create a complete sample system with analyzers and conditioning on the same rack.
- Use the back side of a freestanding floor rack to mount analysis equipment.
- Combine critical conditioning and analysis on a portable skid.

As the world leader in sample conditioning and analysis products and systems, Sentry has the skills and experience to design and build a sample system that will meet your needs.

# CUSTOM APPLICATIONS

**5-Line Freestanding Floor Rack**  
with a common sink and worktable; instruments mounted on rear side



**3-Line Wall Mount Rack**  
with cation conductivity columns and cells mounted side-by-side (analyzers mounted in sample room)



**2-Line Wall Mount Rack**  
with conductivity and pH cells and analyzers mounted side-by-side



# AUTOMATED SAMPLE CONDITIONING MODULE

Ask for bulletin 1.39.2



The Sample Sentry® II is a fully automated sample conditioning system providing:

- Automatic startup (including blowdown)
- Flow control
- Shut down
- Automatic blowdown operation reduces crud build up and improves sample representativity
- Meets sampling guidelines recommended by EPRI (Report #CS-5164, Project 2712-2)



**WARNING**

It is solely the responsibility of the end-user, through its own analysis and testing, to select products and materials suitable for their specific application requirements, ensure they are properly installed, safely applied, properly maintained, and limit their use to their intended purpose. Improper selection, installation, or use may result in personal injury or property damage.



## SENTRY® EQUIPMENT CORP

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QUALITY MANAGEMENT SYSTEM  
CERTIFIED BY DNV  
== ISO 9001:2008 ==

For further information, contact: