



# **SINGLE LINE SAMPLE PANELS**

**OPTIMIZE PLANT PERFORMANCE**

**WATER • STEAM • PROCESS LIQUID**

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

Backed by  
Over 80 Years of  
Sampling Experience

# 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).

All models come with a variety of standard features and options to meet your sampling needs.

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-style samples*

#### SL-100 Includes:

- TLF-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
- FLF-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
- Sample Sentry II\*

*\*Sample Sentry II is a fully automated sample conditioning module; ask for bulletin 1.39.2*

### SL-200

*for grab samples & on-line analysis*

#### SL-200 Includes:

- TLF-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
- FLF-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



# LINE SAMPLE PANELS

# 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)



# WATER/STEAM SAMPLING COMPONENTS

Ask for bulletin 1.41.2



**Every Employee an Owner,  
Every Customer a Commitment**



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