SAMPLING COMPONENTS AND SYSTEMS

WATER • STEAM • PROCESS

www.sentry-equip.com

BACKED BY OVER 75 YEARS OF SAMPLING EXPERIENCE
The essential elements of representative sampling are precise temperature, pressure and flow control. This is the heart of any good sampling system and is the core of Sentry Equipment's sampling expertise for over 75 years. We manufacture the largest variety of sampling components available for water, steam and process sampling and also integrate these components into cataloged and custom sampling and analysis systems. If you need a sampling problem solved, then you have come to the right place.

**SAMPLE COOLER**
Heavy duty stainless steel construction, other materials available. Over 20 models to handle any application. ASME stamp available.
Ask for Bulletin 4.10

**VREL®**
U.S. Pat. No. 5,333,648
Reduce high pressures without valve wear. Cleanable in place. Adjustable while in service.
Ask for Bulletin 1.10.1

**THERMAL SHUT-OFF VALVE**
U.S. Pat. No. 5,826,790
Shuts down high temperature sample in less than 5 seconds. Protects analyzers and operators.
Ask for Bulletin 13.1.1

**TEMPERATURE CONTROL UNIT**
Maintain sample temperature at 77°F (25°C). Water or air cooled. Rugged design for power plant environment.
Ask for Bulletin 8.5.1

**BACK PRESSURE REGULATOR/RELIEF VALVE**
Maintain precise sample pressure to assure proper flow control. Factory set to eliminate unnecessary adjustment of setting. Built-in relief valve to protect analyzers.
Ask for Bulletin 9.1.1

**CATION CONDUCTIVITY ACCESSORIES**
Cation resin columns designed specifically for power plants. Complete panels to measure specific, cation, and degassed conductivity or any individual measurement. Custom analysis panels including degassed conductivity, DO, and corrosion product sampling.
Ask for Bulletin 6.1.1 (resin column)
Ask for Bulletin 1.43.1 (degassed panel)

Components For Precise Sample Conditioning

To learn more about Sentry Equipment and download referenced bulletins visit us at: www.sentry-equip.com
SAMPLE SEQUENCER™
Time share several streams with one analyzer. Operates with either batch type or continuous reading analyzers. Ask for Bulletin 5.5.10

MANIFOLD VALVE
U.S. Pat. No. 5,469,751
No cross contamination. Continuous sample flow in all lines. Ask for Bulletin 5.5.10

CORROSION PRODUCTS SAMPLER
Identify and quantify corrosion throughout the thermal cycle. Portable or panel mount versions available. Ask for Bulletin 11.1

PARTS & SERVICE
Replacement parts and field service are available for Sentry or any brand of sampling and analysis systems worldwide.
CUSTOM SAMPLING SYSTEMS FOR DEMANDING SAMPLING REQUIREMENTS

In the power generation area, increased emphasis on water chemistry control requires that a well designed and high-quality sample conditioning and analysis system be used to assure both representative and accurate analysis. Sentry leads the way in meeting these requirements by combining significant experience in sample conditioning with state of the art analysis instrumentation.

Sentry maintains a fully trained staff of expert engineers available to provide on-site service, start-up and training for any sample conditioning and analysis system. Preventative or contract maintenance can also be supplied.

• Sample Conditioning and Analysis Panels
• Primary and Secondary Sampling Systems – Nuclear
• Post Accident Sampling Systems – Nuclear
• Process Sampling Systems
• Chemical Feed Systems
Process Sampling – Sentry provides an extensive line of process samplers and custom panels for liquids and gasses.
Ask for Bulletin 1.5.2

Specialty Heat Exchangers - Compact spiral tube, helical coil and plate heat exchangers are provided by Sentry for a variety of specialty process and OEM applications.
Ask for Bulletin 12.1.1 (Spiral)
Ask for Bulletin 7.1.1 (PHE)

Every Employee an Owner, Every Customer a Commitment

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