

"Sample Cooling Water Isolation Skids"



Do you have problems with your sample coolers fouling? If you do, you're not alone! Many power plants have problems with silt, scale, Asiatic Clams and our newest pest - the Zebra Mussel. Sentry has been beating all of these problems since 1986, when we supplied the first cooling water isolation skid (CWIS) specifically designed for use with sampling equipment.

The Sentry CWIS is designed to keep sample coolers cooling water from heat exchanger(s) which isolates closed loop sample cooler cooling water from the service water. Pump(s), temperature controller pressurizing tank and accumulator, and appropriate electrical controls are also included on the skid. The unit is easy to operate and includes the necessary pressure and temperature gauges to let the user know when the dirty side of the heat exchanger needs cleaning. The special plate and frame heat exchanger(s) can be easily taken apart and cleaned in a short period of time. If dual heat exchangers are used, it will not interrupt operation. Comparing this to the problem of cleaning individual sample coolers shows the value of the CWIS vividly. In addition to reducing cooler fouling, the life of primary sample coolers can also be extended with these systems.

Another feature of the CWIS is the inclusion of a temperature regulating valve on the closed loop side feeding the sample coolers. This assures a constant temperature supply to the sample coolers, helping to maintain a constant outlet temperature from the primary sample coolers, assuming constant sample flow rates. In some cases, the CWIS can be used in place of mechanical refrigeration secondary cooling when service water supply temperature are 70°F or less. The closed loop temperature control also eliminates sample subcooling in winter months when service water temperatures drop below normal sample temperature requirements.

For more information on sample cooling water skids, ask for Bulletin 8.1.2.

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

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