

SENTRY GUARD

USA COIL & AIR

ATR
APPLIED THERMAL RESOURCES, INC.
Energy-Efficient Solutions - Industry Leading Expertise



SENTRY GUARD

Eliminate the stress of system down time and unnecessary replacement costs with the innovative Sentry Guard™ freeze protection system. Remove the possibility of complete system failure due to freeze damage with the most effective solution available on the market today.

Innovative Solutions That Protect Your Systems

SENTRY GUARD BURST PROOF RELIEF CAPS

APPLICATIONS:

Preheat Coils

Steam/Hot Water- 100% outside air, where air is 40 degrees Fahrenheit or lower. The system may have built-in controls, freezstats, etc. to prevent freezing. Often, systems stop working due to the failure of these controls. The Sentry Guard™ becomes the "Last Line of Defense" against freeze damage.

Chilled Water Coils

Coils that operate during the winter may experience freezing air temperatures. The coil may see 60-degree Fahrenheit air one day and 25-degree Fahrenheit air the next day. Chilled water coils can be 5 to 10 times as expensive to replace as heating coils due to the increased number of rows.

Make-up Air Systems

Many applications such as kitchens, health facilities, and industrial applications require 100% exhaust. These systems work 365 days a year and any mechanical malfunction can cause heating or cooling coils to freeze.

Idle Chilled Water Coils

During the winter, chilled water coils that are not in operation need to be completely drained and/or filled with a mixture of glycol/water. This process is costly and corrosive. Sentry Guard™ coils reduce the need for glycol additives. During a freeze event, the Sentry Guard™ caps will rupture to release pressure and prevent tube bursting. Upon startup in the spring, easy replacement of the caps is all that is needed to get the coils back in service.

USA Coil & Air developed this patented product over a period of four years. Extensive testing was conducted in International Falls, Minnesota with ambient temperatures as low as -30 degrees Fahrenheit. Based on this testing, USA offers a 30-month burst protection warranty because we believe in our product.

Benefits

- ✓ Avoid whole coil replacement
- ✓ Works well with steam coil systems
- ✓ No changing row or circuitry arrangement
- ✓ Decreases downtime from freeze damage
- ✓ Eliminates or lowers cost of repairs
- ✓ Guaranteed burst resistant



For sizing, selection and pricing please contact us today at 770-674-9100 we are here to help!

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