

SENTRY GUARD™ COILS

GENERAL

The new Sentry Guard™ coil series was developed to prevent coil damage when a "freeze cycle" develops, and without protection, the freeze causes severe damage to principal parts of coil.

There are no movable parts to a coil furnished with the Sentry Guard™ option. As a result, there is no difference in installation procedures. The "freeze relief plugs" (patent pending) extend out on the perimeter of the coil and proper care must be taken so that they are not damaged during installation.

A user can now elect not to use antifreeze solutions for non-operating (format) fluid coils in winter applications and instead just drain the coil(s). Try to drain as much fluid out of the coil as possible, and then make sure water or steam is not being supplied to coil(s) and is fully shutdown. The special "freeze relief plugs" in a Sentry Guard™ coil will protect the coil if any moisture is still present in the coil and if it should form ice during winter. At the end of winter when the system is being put back into operation, check if any inserts have ruptured. Follow the procedure shown for "insert" replacement prior to start-up.

SENTRY GUARD™ OPERATION

During a freeze cycle, the pressure inside a coil builds and finally distorts and/or ruptures the coil tubes, headers/bends.

With Sentry Guard™, there is a removable insert inside all types of freeze relief plugs furnished. This insert will rupture (burst open) and will stay open until maintenance personnel arrive at the coil and change or replace it.

SENTRY GUARD™ COIL INSERT REPLACEMENT

It is fairly simple to put a Sentry Guard™ coil back in operation. Here is a specific step-by-step list:

- A - Check to see if coil is defrosted inside. Remember, coil may still be filled with ice. Also remember that water during the defrost cycle must be removed (drained).
- B - Check every "freeze relief plug" on coil return bends, headers, steam coil stubs and look directly at the insert in the center of plug. If it is burst or even distorted, unscrew the plug from threaded stud. Replace with new threaded plug. Extra plug shipped with coils (attached to headers).
- C - If you require new plugs, please call USA Coil & Air, Inc., Attn: Sentry Guard Maintenance, at 1-800-872-2645. Messages can be left at USA 24 hours a day. (Fax at 1-610-296-9763.) USA will charge a minimum of \$25.00, which includes standard U.S. Mail or UPS charges. If customer requests Overnight or Special Delivery, this will be considered an extra cost and will be invoiced. We require billing address, purchase number and shipping address for all orders. USA is not responsible for downtime or expenses incurred from placing a coil back into operation after a "freeze condition".

A Bag of Five (5) Plugs
\$28.00

A Bag of Ten (10) Plugs
\$45.00