

TUBE CLEANING

It is important that the fins and exposed tube surfaces be cleaned periodically to remove accumulated dirt, grease, oil, and other foreign matter. This can be removed by directing compressed air, or a greaseless solvent through the fins in a direction opposite the normal airflow. The inside of the tubes should be inspected periodically and cleaned as necessary. Removal of access plugs allows visual inspection, and, if necessary, the use of mechanical tube cleaners. Tapered plugs that are removed for tube inspection or cleaning should be replaced in the same hole.

PLUG LEAKS

Should tapered plugs develop leaks, additional tightening is normally all that is required. Thread dope may be used if tightening alone is not sufficient. If shoulder type plugs develop leaks, the gaskets should be replaced.

TUBE LEAKS

The repair of tube leaks depends upon the location of the leak. If the leak occurs in the tube-wall (normally caused by corrosion), it is usually most practical to use tapered tube sealing pins to plug both ends of the tube. When so many tubes have been plugged that the performance is affected, retubing will be necessary. If leaks develop in the tube to tube-sheet joints, the tubes may either be plugged or re-rolled. If re-rolling is attempted, care must be used in selection of the proper tube expander for the size and gauge of the tube being rolled. As with all rolled tube joints, over-rolling must be avoided.

GENERAL

If it is ever necessary to contact our plant for service or replacement parts, it is essential that our serial number or other identifying data be obtained from the metal nameplate attached to the cooler. This is the only way to positively identify the correct parts that may be required.