

Coded Note Number: **C1010**

Revision Level: **C001**

Date: **March 10, 2017**

Title: **HEATING/COOLING COILS CLEANING**

**This revision history is provided for convenience and does not alleviate the supplier's responsibility with understanding and complying with the full coded note.**

**Change from Revision A – Editorial change to reformat to current standard.**

**Bolded font indicates changed/added content.**

**[Text deleted] inserted in the document indicates the removal of content.**

Cleaning:

Coils on this order shall be furnished free of all oxides, oils, chips, solder beads, Flux or dirt. It is recommended that the cleaning process to accomplish this be as delineated below:

Cleaning recommendations:

Cleaning solution - (make up based on 50 gallon mix)

1. Fill a clean, dry empty 55 gal. Drum 1/2 full of water.
2. Slowly add 75 lbs. Penesolve #814 (Penetone Co. Tenafly, New Jersey) and stir until thoroughly dissolved.
3. Complete filling with water to the 50 gallon level in the drum. Stir thoroughly.
4. Solution is now ready for application.

Cleaning method:

1. Heat cleaning solution to 200 F + or -10 F, and fill coil completely.
2. Circulate for two to three hours, maintaining the recommended temperature. Note--if possible, insert a filter in the system to remove contaminants and prevent them being recirculated.
3. Empty cleaning solution and rinse with a forced hot water flush. Continue to flush until flush water is clean.
4. Dry unit using clean dry air (100 psi) until all evidence of moisture is removed.

5. Blank off inlet and outlet after drying.

Remarks:

1. If heating facilities are not available, oxide removal can be accomplished with an overnight soak (24 hours).
2. Penesolve is a strong alkali, therefore, rubber gloves, face shields, and protective clothing should be worn when mixing or handling.