



A division of Huron Tech Corp
6860 Phillips Industrial Boulevard • Jacksonville, FL 32256

Technical Bulletin

Subject: COM25 Cell Cleaning

Date: 4-13-99

The DC Cord attached to the COM25 cell is factory installed and tightened to certain specifications.

Do not remove the DC Cord from the COM25 cell before cleaning it. Test plugs available from TMI at \$7.00(excluding shipping and handling). Instead, remove the DC Cord from the terminal block inside the COM25 Power Supply, this will allow you to move the cell to a well ventilated site for cleaning. After the cell is properly removed from the cell line, use the following steps to clean it.

1. Insert a 3" Test plug into one end of the cell and tighten. Stand cell up in a large plastic bucket then use the following procedure to acid wash.
 - a. To acid clean the cell, mix one quart of muriatic acid with one gallon of tap water in a plastic bucket. **Always add acid to the water, never add water to the acid. Always wear eye protection and use rubber gloves. Always work in a well ventilated area.**
 - b. Pour the solution into the cell. A foaming action will begin, which is caused by scale (calcium carbonate) being dissolved from the plates. If bubbling overflows the cell and comes in contact with DC Cord connections, rinse with fresh water and dry thoroughly before putting cell back into operation. If rigorous foaming action does not begin, the cell does not need to be cleaned (STOP THE CLEANING PROCESS- go on to next step "c"). Otherwise allow the cell to remain in the solution until the foaming has stopped. However, do not leave in acid for more than 1/2 hour. **(Excessive Acid Washing will damage Electrolytic Cell).**
 - c. Pour acid solution out of the cell, rinse the cell thoroughly with clean tap water and inspect. If deposits are still visible, pour the acid solution into the cell again for further cleaning. Additional acid may need to be added to the solution.
 - d. Rinse the cell again with clean tap water and inspect.
2. If the cell is clean, Remove the freeze plug, reinstall cell and resume normal operation.
3. Pour cleaning solution in a suitable closed container for re-use.
4. Store in an area that complies with HazMat.