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HEAT EXCHANGER DESCALING INSTRUCTIONS

The following instructions are for the safe removal of average deposits of water scale, lime and rust accumulations using unique formulations from **Delta Products Group**.

Ratios: **PS8000 Pre-Soak** 3% Solution/ **Delta Descaler** 25% of total cylinder volume

1. Add water to the recirculating bucket.
2. Using the **Delta Pumping System**, attach pump and hoses into bottom and out the top then circulate water only to check for leaks and proper connections.
3. Drain allotted water so **PS8000** and descaler percentages are correct.
4. Add all **PS8000** and MINIMAL descaler to control excess foaming and to judge scale composition. Watch for reactions coming back to recirculation bucket.
5. Scale will neutralize descaler so you must slowly add descaler to system. NOTE: Wait if you encounter excess descaler foaming. (Add a little **Foam-EX Defoamer** if necessary.) Do this until all descaler is in system.
6. Allow 3% **PS8000**, 25% descaler, and 72% water solution to circulate for two (2) to four (4) hours. NOTE: Circulation time has many variables which include scale composition, age, condition, water treatment and scale thickness.
7. When foaming action stops, the **Delta Descaler** will have either lost its strength or the equipment will be free of deposits. Visually determine cleanliness of equipment if possible. To determine the strength of solution, remove one ounce from the recirculation bucket and pour onto cement. If it foams and bubbles, it is still active. If it does not dissolve the cement, the chemical is spent. The unit will either be clean, or on heavily fouled units more descaler may be needed to completely clean. Drain some spent solution to make room for fresh descaler.
8. Once the heat exchanger has been sufficiently cleaned, flush spent descaler to drain and rinse with fresh water.
9. Be sure to clean and rinse the **Delta Pumping System** and hoses with fresh water to maximize the life of this equipment too.
10. Periodic descaler cleanings will maintain peak operation efficiency of these units and allow maximum rated output by eliminating most insulating scale deposits.

