

### Heat Exchangers

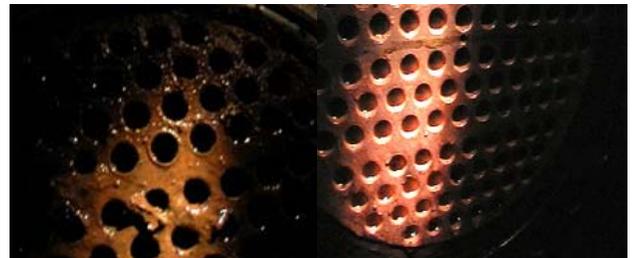
Heat exchangers in many manufacturing facilities are very crucial in everyday operations. Heat exchangers are designed to transfer heat in the form of kinetic energy from one liquid to another. And while transferring heat, the heat exchanger, over a period of time will collect lime, scale and rust on the waterside of the exchanger.

With **Dynamic Descaler**, you do not have to dismantle or remove the unit from your operations. You may want to install a system, which will inject **Dynamic Descaler** into your water supply on a regular basis for your cooling tower, chiller, or your closed loop water system. This procedure will eliminate downtime in your everyday operations while cleaning out your exchanger.

If you just intend to clean out the heat exchanger, you still do not have to dismantle or remove the exchanger from your operations.

### Instructions for Dynamic Descaler Cleaning

1. By-pass heat exchanger from operation.
2. Remove the existing water in the exchanger. This **MUST** be done, to insure proper results.
3. Disconnect the water in/out connections from the exchanger.
4. Attach the necessary hoses to in/out connections on the exchanger to a circulating pump. Refer to chart below for necessary circulation of time and the amount of **Dynamic Descaler** to be used.
5. Once the circulation has been completed, flush the exchanger with water to remove any insoluble material.



Before

After

**Please refer to the Charts on the following pages for proper amount of Dynamic Descaler to be used, and the circulation times.**

**Please Note: Calculations on amount and Circulation Times may vary for each system.**

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