

## Cooling Tower cleaning instructions

### Why should I use Trac's Descaler Concentrate™ ?

- Scale deposits in closed water cooled system can dramatically reduce heat transfer. As little as 1/64" of scale build-up can reduce system efficiency by as much as 15%. Although there are many descalers on the market today, most are Hydrochloric acid based and can easily damage the equipment. Only **TRAC's Descaler Concentrate™** can safely remove scale, rust and lime build-ups from deep within the system, **TRAC's Descaler Concentrate™** is 100% biodegradable, safe to both user and equipment, and is completely non-toxic.

### How much Trac's Descaler™ do I need?

- To determine how much **TRAC's Descaler Concentrate™** you need, simply multiply the appropriate percentage (from the table below) by the systems water capacity.

Build Up	Description	%
Light Scale	Deposits are light in color and spaced out.	2.5%
Heavy Scale	Mineral deposit is thick and found throughout the system.	5%



### When to use TRAC's Descaler Concentrate™ ?

- When doing your yearly inspection of your chiller and you notice a scale built up on your tubes.
- When your delta T has a differential of more than 7.
- If your cooling tower fill has scale built up or algae.
- If you notice built up at the bottom of your cooling tower pan.

### Cleaning Instructions:

- Determine the systems total water capacity by adding up the length of the different size piping, capacity of the cooling tower and any chillers. Refer to our Pipe Gallonage Chart to determine the capacity of different size of piping.
- Turn off the systems make up water and bleed.
- Drain cooling tower pan to where water level is at a minimum, making sure not to drain to much, or the pump might cavitate.
- Using the chart above and the systems capacity, slowly add the proper amount of **Trac's Descaler Concentrate** in the cooling tower. Let the system recirculate for a minimum of 10 hours.
- After 10 hours of circulation, turn make up water and bleed back on. This will help remove the dissolved residue.
- To remove all residue from the system, it is recommended that the cooling towers drain valve is opened and the make up water added.

### Warning

- When descaling a closed water cooling system, sometimes it is hard to determine the amount of scale that has accumulated over the years. In some cases the scale build up might be such that the scale might be hiding pin holes in the piping and if this is the case, it can sometimes cause leaks during the descaling process. It is therefore important to determine the system integrity prior to starting the application.
- Also note that in systems with inline condensers units located on each floors might need to be independently flushed. When convenient, it is recommended that the sump tank be drained and flushed and that the strainer screen be removed and inspected for any insoluble material.

Dealer/Distributor Label

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