

Chiller plant chill loop cleaning instructions

What product do I use?

- For ALL fresh water or glycol loop applications, TRAC'S DESCALER® Concentrate is the only choice for safe, fast, and consistent results.

Why should I use TRAC'S DESCALER® Concentrate?

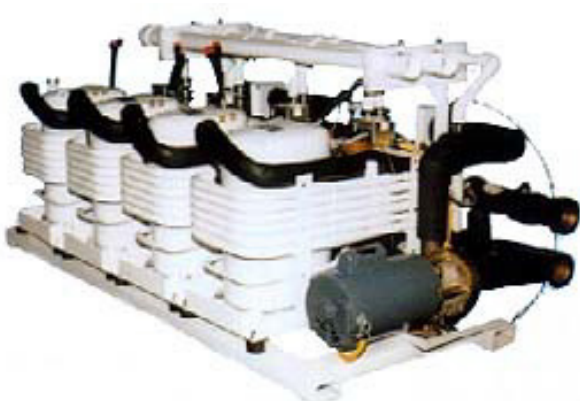
- Scale deposits in closed water cooled system can dramatically reduce heat transfer. As little as 1/64" of scale build-up can reduce system efficiency by as much as 15%. Although there are many descalers on the market today, most are Hydrochloric acid based and can easily damage the equipment. Only 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 and safe to both user and equipment.

How much TRAC'S DESCALER® Concentrate do I need?

- First, make sure that the system is in good condition and that no corrosion or weak point can be found throughout the system.
- Next, determine that volume of the system and use 2.5% as a multiplier to determine the amount for TRAC'S DESCALER® Concentrate needed.

Warning

When descaling a closed water cooling system, it is sometimes 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 can cause leaks during the descaling process. It is therefore important to determine the system integrity prior to starting the application.

Cleaning Instructions:

- Turn off the systems make up water and set 3-way valves to the open position on all the air handlers.
- Locate an injection point on the chilled loop and if glycol is in use, evacuate all the glycol making sure to fresh water flush until all traces of said glycol is remove. It is recommended to use a refractometer to make sure all the glycol is removed.
- Use a pump to SLOWLY add the predetermined amount of TRAC'S DESCALER® Concentrate into the system, making sure to monitor system pressure and bleeding excess water as you are injecting the solution.
- Bleed each air handler and check pH making sure it's not below 1.5 and let the system circulate for 8 up to 12 hours bleeding each air handler regularly.
- After circulation time is completed, turn make up water back on and fresh water flush the system thoroughly.
- If glycol is to be added, make sure that all traces of the TRAC'S DESCALER® Concentrate are gone from the system by checking the pH at each air handler.