

***Heat Exchanger cleaning instructions.***

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

Heat exchangers are a very crucial to any systems operations. Over a time, they can accumulate mineral deposit that can reduce heat transfer and flow, and therefore resulting in down time. With **Trac's Descaler Concentrate™** and minimal dismantling, you can safely clean a heat exchanger in place.

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.

***When to use Trac's Descaler Concentrate™ ?***

- When doing a physical inspection and you notice a scale built up on your tubes.
- When your delta T has a differential of more than 7.
- If your system is overheating.

***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.

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

***Cleaning Instructions:***

- Determine the heat exchanger total water capacity. Refer to our Pipe Gallonage Chart.
- Isolate the heat exchanger from the rest of the system and disconnect the water inlet and outlet of the side to be cleaned.
- Remove all excess water from the heat exchanger. This is important so as not to over dilute the solution.
- Connect flushing adapters to the heat exchanger and the recirculation hoses to the flushing equipment
- Water test by filling the flushing equipment tank with water and pumping until a closed loop is established.
- To make sure that no leaks are present in the system, mark the tank's level, which should be sustained for at least 10 min.
- Slowly add the proper amount of **Trac's Descaler Concentrate™** into the flushing equipment's tank. Refer to our Time Chart for the required flushing times.
- After the circulation, thoroughly drain the solution and fresh water flush the heat exchanger and reconnect.

***Warning***

- It is important to determine the system integrity prior to starting the application. When descaling a water cooled system, it can be hard to determine the amount of scale accumulated over the years. In some cases, the scale build up might be such that scale might be hiding pin holes in the piping and this can sometimes cause leaks during the descaling process.



**Distributed by:**  
**ProActive Marine**  
**0434 496 600**  
**www.proactivemarine.com.au**

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**www.proactivemarine.com.au**  
**ph: 0434 496 600**