

How to use your RICO Descaling Pump

The following instructions are produced for guidance when using the RICO descaling pump in association with Rydlyme or Rydlyme Marine Descalers. If other products are used please refer to the manufacturer for instructions.

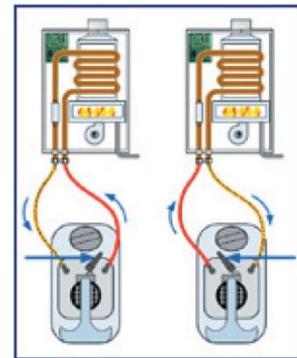
Fill the tank with sufficient descaling solution (according to manufacturer's instructions) to ensure that the pump rotor housing is submerged during use. The minimum liquid level is shown on the "CAUTION" label on the tank.

Screw the outer ends of the flow and return hoses securely to the plant or equipment to be descaled, using BSP threaded adaptors & PTFE tape if necessary. Connect the power cable to a suitable earthed power supply (220 or 110 volt [50 cps], according to model). As the pump will be used in a damp location, we recommend that a residual current circuit breaker plug to be used.

Switch on the pump, and check to ensure that the liquid level does not fall below the level of the rotor housing as the contents of the tank enter the equipment being descaled. This is particularly important when the overall capacity of the system being descaled is greater than the tank capacity of the pump. If necessary, add more descaling solution, or water. Check all connections for leaks.

During use, the tank cap should rest on top of the screwed stem, but should not be screwed on by more than a quarter turn, to allow for the passage and elimination of the gas evolved during descaling. Check that the foam level does not exceed the maximum filling level.

The built-in flow reverser makes it possible to attack scale from both directions. During descaling periodically move the flow reverser handle from one stop to the other. This reduces descaling time considerably, and is more effective in flushing out any solid matter, which will accumulate on the circumference of the base of the tank. By attacking scale from both sides it is possible to clean piping which is almost totally obstructed.



Scale removal can be considered complete when bubbles no longer form in the return pipe, and the solution is still acidic. Rydlyme biodegradable environmentally friendly descaling chemicals are available from RICO.

Always wash out the pump after use by circulating clean water through it, to remove any residues of the descaling solution.

IMPORTANT: When working with acidic descaling chemicals always wear suitable protective clothing and goggles, and check and observe instructions supplied with the descaling chemicals.

Please observe these precautions:

1. Temperature of the descaling / flushing solution should not exceed 60°C. Higher temperatures may warp the rotor cover. Monitor the temperature closely when descaling plant or equipment which may already have a high temperature, such as the domestic water coil in storage water heaters, or large plastic injection moulding tools.
2. Do not dissolve solid or crystalline descaling chemicals directly into the tank, as this may choke the pump inlet and cause abrasion damage. Dissolve such chemicals in a bucket first.
3. Always keep pump upright, particularly in transit, to avoid any liquid penetrating lower electric motor bearing, as this may cause premature wear of the bearing.

