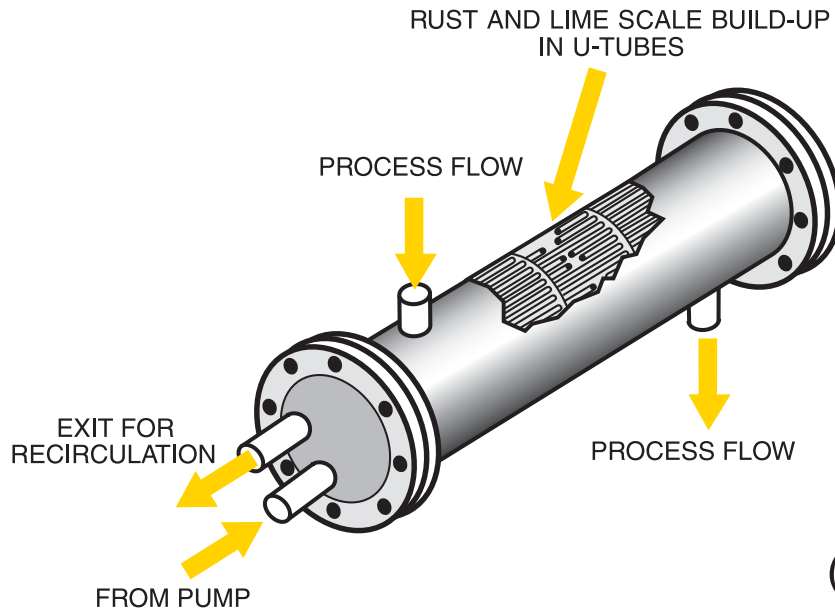


# SUBLIME®

EXCHANGER ( INTERCOOLER ) CLEANING

## EXCHANGER (INTERCOOLER) CLEANING WITH SUBLIME®

### SUBLIME® CLEANING OF TUBE SIDE WATER EXCHANGER



(FIGURE 3.)

*This diagram shows the correct hook-up for SUBLIME® cleaning of tube side water exchanger.*

### SUBLIME® CLEANING INSTRUCTIONS:

1. Shut down the equipment and lock out power source. When the temperature has reached ambient condition, turn off the water supply and drain all water from the exchanger.
2. Flush the exchanger, flow top to bottom, to remove loose dirt and scale.
3. Attach SUBLIME® pump, hose and circulating tank making sure circulation is bottom to top in exchanger. (See Figure 3.)
4. Add SUBLIME® to the circulation tank and begin pumping the solution through the exchanger. It will normally take two (2) to six (6) hours of circulation to clean, depending on the size of the exchanger and the quantity of scale and rust to be removed.
5. When the cleaning is complete, drain the SUBLIME® solution back into the circulation tank.
6. Disconnect pump and hoses and flush the exchanger with water to remove any remaining insoluble material.
7. The exchanger is now ready to be put back into service.
8. Check SUBLIME® solution to see if it is spent. If it is still active, retain for future use. If it is spent, discard it.



The information contained in this document is the result of careful testing in our laboratories, complemented by selected literature. It does not in any way constitute a guarantee, nor does it serve as a license to operate any patient. Due to widely varying conditions of product use, which are beyond our control. It is strongly recommended that the product be tested for suitability.

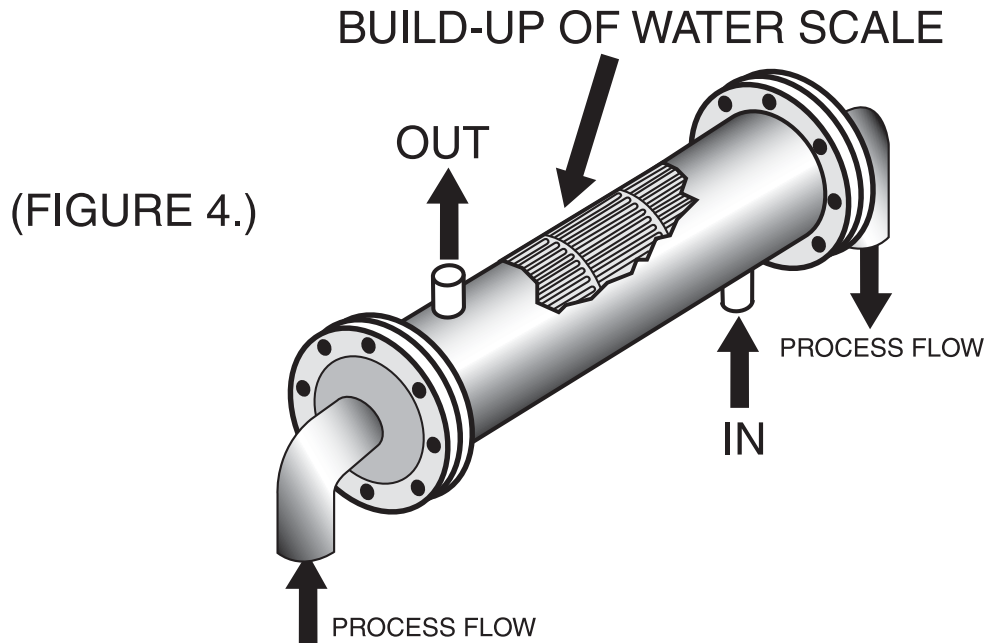
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# EXCHANGER (INTERCOOLER) CLEANING WITH SUBLIME®

## SUBLIME® CLEANING OF SHELL SIDE WATER EXCHANGER



This diagram shows the correct hook-up for SUBLIME® cleaning of shell side water exchanger. SUBLIME® cleaning of shell and tube exchangers with water on the tube side can be accomplished without disassembling or removing the tube bundle from the shell. These instructions should be followed to insure proper removal of scale, rust and dirt from the exchanger or cooler.

### SUBLIME® CLEANING INSTRUCTIONS:

1. Shut down the equipment and lock out power source. When the temperature has reached ambient condition, turn off the water supply and drain all water from the exchanger.
2. Flush the exchanger, flow top to bottom, to remove loose dirt and scale.
3. Attach SUBLIME® pump, hose and circulating tank making sure circulation is bottom to top in exchanger. (See Figure 3.)
4. Add SUBLIME® to the circulation tank and begin pumping the solution through the exchanger. It will normally take two (2) to six (6) hours of circulation to clean, depending on the size of the exchanger and the quantity of scale and rust to be removed.
5. When the cleaning is complete, drain the SUBLIME® solution back into the circulation tank.
6. Disconnect pump and hoses and flush the exchanger with water to remove any remaining insoluble material.
7. The exchanger is now ready to be put back into service.
8. Check SUBLIME® solution to see if it is spent. If it is still active, retain for future use. If it is spent, discard it.