

How to Clean a Marine Heat Exchanger

Things you'll need:

- ECO-SAFEWAY DESCALER
- Diaphragm pump
- Two hoses, 5 feet in length
- A large (5 gallon or greater) plastic bucket (catchment bucket)
- Disposal drums suitable for glycol-based coolants (can be obtained at a marine disposal facility)
- Fresh water
- Adjustable wrench
- Combination wrench set

Instructions:

1. Purge the heat exchanger of glycol-based coolants with fresh water. Dispose of the coolant in the drums you acquired from the marine disposal facility.
2. Clean the outside of the heat exchanger first. Spray the outside of the heat exchanger with SAFEWAY DESCALER and allow it to stand for 10 minutes. Rinse with fresh water and repeat this process four times. Use the final fresh water rinse to remove any loose trash or waste.
3. Clean the inside of the heat exchanger next. Attach the hoses to the diaphragm pump and mix fresh water and SAFEWAY DESCALER in a 50/50 mix. Attach a hose to the suction side of the diaphragm pump, and put this hose into the catchment bucket. Attach the other hose to the outlet side of the pump and to the hot engine (#) jacket water inlet.

4. Fill the catchment bucket with the 50/50 mixture of SAFEWAY DESCALER and water. Turn the pump on and allow the SAFEWAY DESCALER to circulate through the heat exchanger for 2 to 4 hours, and then turn off the pump.
Dispose of the descaling solution.

5. Fill the catchment bucket with fresh water, and turn the pump back on to flush the system for 15 minutes with the fresh water.
Dispose of the water in the catchment bucket properly and refill the catchment bucket with fresh water. Repeat the flush procedure for 15 more minutes, and then properly dispose of the water in the catchment bucket.
Reinstall the heat exchange on your boat and recharge.