

## PORTABLE FLUSHING KIT

# CLEANING PROCEDURE

### Prepare the seawater side of the heat exchanger:

1. Turn off and let cool the engine.
2. Begin isolating the system to be cleaned by disconnecting the hose from the seawater pump outlet.
3. It is also possible to clean the strainer and water pump, be sure to close seacock valve before disconnecting hose and remove impeller prior to circulating.
4. Then disconnect the hose from the exhaust mixing elbow.
5. Remove zinc anodes in the system and plug/cap holes. If replacing with new anodes, then do so after cleaning the system as **RYDLYME Marine** will slowly dissolve the zinc.

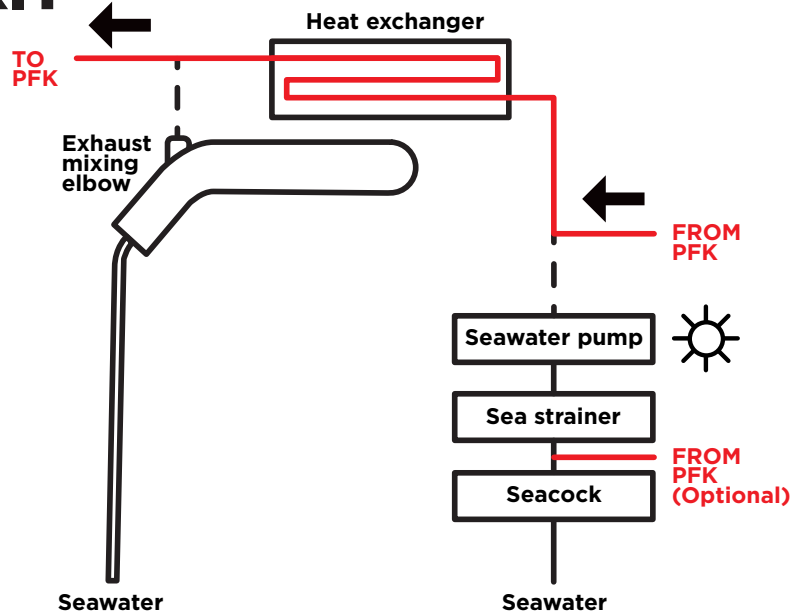
### Set up circulating pump system:

1. Connect one hose barb fitting to each of the supplied rubber hoses and hose clamp.
2. Connect one 3/4" NPT threaded end of a hose to the submersible pump and place inside the 5 gallon bucket.
3. Connect the other end of the hose's barb fitting to the disconnected hose of the seawater pump/seacock valve.
4. Connect the second hose to the disconnected mixing elbow hose.
5. Finally, using the supplied clamp, secure the end of that hose to the 5 gallon bucket.
6. The circulation loop should now be complete and mimic the below diagram.

### Flush the heat exchanger:

1. Add one gallon of **RYDLYME Marine** to the bucket. This should submerge the pump inlet.
2. Add one gallon of water to the bucket to create a 1:1 solution.
3. This amount should be enough liquid to circulate through the loop without running the pump dry. If it is necessary to add more water, add the same amount of **RYDLYME Marine** to maintain a 1:1 solution.

### Example Flushing Loop



4. Plug in the pump to turn it on.
5. Check for any leaks or loose connections in the loop. Immediately unplug the pump if a problem is detected.
6. Allow solution to circulate for 2-4 hours depending on the amount of scale that has accumulated in the loop.

### Rinse and disassemble:

1. Turn off pump and dispose of solution down sanitary drain/sewer.
2. Refill bucket with 2 gallons of clean water and reconnect return hose with clamp.
3. Turn pump on to rinse for 5 minutes.
4. Upon completion, discard rinse water and begin disassembly of flushing kit.
5. Reconnect hoses to seawater pump outlet and to exhaust mixing elbow.
6. Check that hoses are secure and return to service.
7. Alternatively, reconnecting OEM hoses and starting the engine to flush with seawater is acceptable.

REV0822

# MULTI-PURPOSE CLEANER

SAFE, SIMPLE & EFFECTIVE

## DIRECTIONS FOR USE:

Just spray it on, let it penetrate the deposit for 20-30 seconds and rinse off and/or wipe clean with a damp cloth. For larger or tougher jobs that may require brushes, pressure washer or other equipment, please contact the manufacturer for dilution and cleaning recommendations. Please shake bottle before use.

Our proprietary water-based formula is a complex blend of penetrates and emulsifiers that vigorously lift stains from all marine surfaces. **RYDLYME Marine Boat Cleaner** is packaged in a 24oz spray bottle, which delivers the highest available output of 1.6cc per pull for an even application coverage. It is even suitable for those wearing gloves or those with large hands. Case of (6) 24 oz. spray bottles, 1-gallon or 4-gallon Case (1 gal. container x 4), 5-gallon Jug, 30-gallon, 55-gallon Drum and 330-gallon Tote available!



A perfect companion to **RYDLYME Marine Descaler**, the biodegradable **RYDLYME Marine Boat Cleaner** safely removes oil, grease, grime, dirt and many other pollutants from all types of surfaces on your boat.

**RYDLYME Marine Boat Cleaner** is non-acidic and one of the strongest and safest non-solvent based marine degreaser available. It rinses off easily with water and does not leave behind a greasy film.

Whether you are a marine professional or a recreational boater, you will be amazed at the great results of this revolutionary cleaner!

## When we say Multi-Purpose we mean it!

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*"We have been servicing boats for over 40 years and **RYDLYME Marine Boat Cleaner** is, by far, the best boat cleaner we have ever tried!"*

Marty Count, Parts Manager  
Lauderdale Lakes Marina, Elkhorn, WI

