



# **WINTERIZING PROCEDURES FOR BOATS PRIOR TO SHIPPING (1 OCTOBER TO 1 APRIL)**

**OBJECTIVE: REMOVE FRESH AND SALT WATER FROM ALL COMPONENTS, AND IF REQUIRED FLUSH LINES, STRAINERS AND PUMPS WITH PROPYLENE GLYCOL (RV NON-TOXIC) ANTIFREEZE.**

## **DOMESTIC WATER**

1. Drain tanks, including the hot water tank, either by opening connection at base of tank or by opening all faucets and operating the pump until the tanks are empty. If Vacuflush system is installed, flush out holding tank before fresh water tank is emptied. (See below.)
2. Open all the faucets (including the lowest valve or drain in the plumbing) and allow the pump to purge the water from the plumbing; then turn the pump OFF.
3. Loosen the hoses at the pump's inlet and outlet ports. Turn the pump ON until all water is expelled. Turn OFF power to the pump after the hoses are empty.
4. Blow compressed air from the pump through the lines.
5. Reconnect hoses.
6. Leave all faucets open.

If VACUFLUSH System is installed

1. Thoroughly flush VACUFLUSH System with fresh water.
2. While blowing compressed air through the system from the fresh water system pump, press flush lever until all water is drained from toilet.
3. Pump out holding tank.
4. Flush one gallon RV antifreeze into holding tank.
5. Turn off electrical power to toilet.

## **ENGINE AND GEN SET**

1. If requested by dealer, fill fuel tank(s). Add biocide.
2. Check fresh water coolant to be sure it is protected to -40 F.
3. If the boat is out of the water, open the seacocks to drain hose from sea strainer, close seacock.
4. Drain sea strainer sight glass through the drain plug or wing nut under the sight glass. Replace plug after draining is complete.
5. Drain water lift muffler. Leave plug out.
6. Open cover of sea strainer.
7. Have 4 gallons of RV antifreeze on hand.
8. Pour RV antifreeze into open sea strainer while turning engine over. Continue adding fluid until antifreeze is observed exiting the muffler.
9. Stop engine.
10. Replace drain plug in water lift muffler.

## **AIR CONDITIONER**

1. If the boat is out of the water, drain the seawater system and the sea strainer by blowing compressed air from the sea water supply seacock until no water exits from overboard fitting. Be sure sea strainer is drained.

## SALT WATER WASH DOWN

1. If boat is out of water, open sea cock; if not, close.
2. Open all the faucets and allow the pump to purge the water from the plumbing; then turn the pump OFF.
3. Loosen the hose at the pump's inlet and outlet ports. Turn the pump ON until all water is expelled. Turn OFF power to the pump after the hoses are empty.
4. Purge the lines with compressed air; reconnect hoses.

## HEADS OTHER THAN VACUFLUSH (DRY LAND WINTERIZATION)

1. Open the inlet seacock and pump the head until as much water as possible has been pumped out.
2. Pump out holding tank.
3. Flush one gallon RV antifreeze into holding tank.
4. Drain remaining water from the unit by opening drain plug in the base of the stool.

## VILLAGE MARINE WATER MAKER MOD 450

1. Remove filter base and remove element from base. Leave the element out of the base, and fill base with RV antifreeze solution. Set selector valve to "clean" and run pump for two to three minutes.

## GRAY WATER TANKS

1. Pump out gray water tank(s).
2. Disable gray water pump by turning off circuit breaker or removing fuze.
3. Pour ½ gallon RV antifreeze into shower drain.

## RULE BILGE PUMPS

1. Bilge pumps are not harmed if imbedded in ice. Do not attempt to run while pump is in ice.

