

Serenity Houseboat



Standard Operating Procedures for:

Marine Heads

I. Overview

The Serenity is equipped with Raritan Engineering Atlantes Freedom Model A8 marine heads. These are electric macerator heads that are equipped with remote intake pumps that draw water from the lake. The powerful centrifugal macerating pump breaks down waste and pumps it to the holding tanks for later pump out.

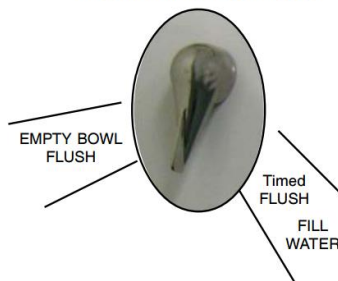
II. Warnings

- a. NEVER Flush Anything other than human waste and single-ply biodegradable toilet paper. Anything else flushed down the toilet will clog the macerating pump and render the head inoperative.
- b. Only utilize approved bio-enzymatic marine head cleaning solutions; ammonia, ethyl acetate, phosphoric acid, or high concentration of chlorine bleach can damage the head.

III. Operation

- a. The marine heads have a two function flush lever.
 - i. Pushing the lever towards the back of the bowl will run the macerator pump and empty the bowl.
 - ii. Pulling the lever towards the front of the bowl momentarily will initiate a timed flush cycle, emptying and filling the bowl. Holding the lever in the forward position will run the intake pump and fill the bowl.

FLUSH LEVER POSITIONS



- b. Prior to depositing solid waste, always ensure that water has been added to the bowl.
- c. After completing use of the head, make sure that the bowl is partially filled with water.
- d. Add marine Head Treatment (12-oz of Camco TST, or similar) after pump out by flushing it down either head (see Water and Wastewater SOP for details).