

- (1) Free of unslightly solids.
- (2) Having a Most Probable Number (MPN) of coliform organisms no greater than 240 per one hundred milliliters (ml).

4. *Disinfecting agent*

The disinfecting agent, if used, shall meet the following conditions:

- a. Be easily obtainable.
- b. Constitute minimum hazard when handled or stored according to manufacturers recommendations and form no dangerous gases.

5. *Materials*

- a. Materials shall be such as to withstand the corrosive effects of the sewage, the disinfecting agent, the flush water and the environment.
- b. Materials shall have chemical and/or galvanic compatibility.

6. *Design and construction*

- a. The device shall—
 - (1) Be of ample strength for safe operation.
 - (2) Be of a type that does not depend on septic action as part of its treatment.
 - (3) Prevent the escape of dangerous gases, obnoxious odors and liquids to boat interior.
 - (4) Provide for ease of maintenance, and ease of replenishment of the disinfecting agent.
 - (5) Function automatically with the operation of the marine toilet(s).
 - (6) Be of such design and construction that the danger of ignition of flammable vapor within or external to the unit will be prevented.
 - (7) Use electrical components and connections complying with applicable standards of the American Boat and Yacht Council.
 - (8) Be of such design and construction that, when properly installed functioning or malfunctioning of its components will not endanger the boat in which it is installed.
 - (9) The manufacturer shall specify the maximum angle of heel at which no spillage will occur from his device.
- b. The manufacturer shall provide adequate means for preventing abnormal pressure build-up.

7. *Installation*

- a. Installation of the device and its piping should allow ease of both servicing and replenishment of the disinfecting agent.
- b. The device shall be adequately secured independently of any connecting piping.
- c. All piping shall be sufficiently strong and durable to withstand any pressure and temperature that might be imposed on it by normal operation of the device.
 - (1) The interior of the piping or hose shall be as smooth as practicable so as to permit the free flow of sewage.
- d. Materials of the connecting piping shall meet the requirements of section 5.
- e. Subject to the foregoing, it is recommended that:
 - 1. Boat designers and manufacturers, in planning toilet installations, provide a space adequate for the installation of an approved device.
 - 2. The piping or hose connecting toilet to intake of device should be as short and direct as possible.
 - 3. The device should be placed as low as practicable.

PART B-IV

RECOMMENDED PRACTICES AND STANDARDS FOR INCINERATING DEVICES

(Subcommittee: Donald F. Frankel and Henry W. Albing, Jr.)

PART C—MAJOR REASONS FOR PROPOSALS MADE IN PART B

I. Manufacturers of retention devices should arrive at a standard coupling device for both boat and dock-side facilities. The coupling device should permit quick and easy attachment without tools and should also be of such design and construction to minimize the possibility of spillage. The A-8 Committee added