

Internal Use Only

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

STANDARD

FOR

ODOR REMOVING MECHANICAL SEAL TOILETS FOR USE IN RECREATIONAL VEHICLES

IAPMO TS 34-97e1

1. PURPOSE

- 1.1** The purpose of this Standard is to establish a generally acceptable guidelines for odor removing mechanical seal toilets for use in recreational vehicles. Such products are equipped with fan ventilated valve controlled units and ducting system to remove bowl odors to th approved location in the holding tank of the recreational vehicle. Its purpose is to serve as a guide for producers, distributors, designers, engineers, installers, inspectors, enforcement agencies and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying odor removing mechanical seal toilets complying with this Standard.
- 1.2** The provisions of this Standard are not intended to prevent the use of any alternate material, method of construction, or performance, provided any such alternate meets the intent of this Standard.

2. SCOPE

- 2.1** This Standard covers requirements for the odor removing mechanical seal toilets. This standard covers physical requirements and other significant properties, in addition to methods of marking and identification.

3. WORKMANSHIP AND FINISH

- 3.1** Workmanship and finish shall be in compliance with ANSI/ASME A112.19.2-90, Vitreous China Plumbing Fixtures and ANSI Z124.4-86, Plastic Water Closet Bowls and Tanks.

4. TESTING REQUIREMENTS

- 4.1** The odor removing water closets shall comply with the requirements of IAPMO TS 1-89, Mechanical Seal Toilets For Use In Recreational Vehicles and ANSI Z124.4, Plastic Water Closet Bowls and Tanks.

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- 4.2** The odor air valve assembly back up gas seal shall be tested as follows: The system shall be operated for a minimum of 550 cycles, and the unit will then be removed and the ventilation ducting shall be completely sealed. The unit shall be completely filled with water, and at normal room temperature of $73.4^{\circ}\text{F} \pm 3^{\circ}\text{F}$ ($23^{\circ}\text{C} \pm 1.67^{\circ}\text{C}$) there shall be no more than ten (10) percent loss of water after twenty-four (24) hours.
- 4.3** The electric fan assembly shall be UL listed and capable of generating a minimum of eight (8) CMF (free air).

5. MARKINGS AND IDENTIFICATIONS

- 5.1** Marking on the toilet shall be permanently and legibly marked with the following:
- (a) Manufacturer's name or trademark; and
 - (b) Model number.

Adopted: 1994

Revised: 1997