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INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

STANDARD FOR

WATER FILL CAPS OR ASSEMBLIES FOR USE IN PRESSURIZED & NON-PRESSURIZED SYSTEMS IN RECREATIONAL VEHICLES

IAPMO TS 13-2006

1. PURPOSE

- 1.1** The purpose of this standard is to establish an acceptable quality standard for potable water caps or assemblies for use in recreational vehicles. Its purpose is also to serve as a guide for producers, distributors, designers, engineers, installers, inspectors and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying caps that conform to this standard.

The provisions of this standard are not intended to prevent the use of any alternate material or method of construction, provided any such alternate is at least the equivalent of this standard and has been approved.

2. SCOPE

- 2.1** This standard covers the physical requirements and tests for toxicity, durability, design, together with methods of marking and identification.
- 2.2** The caps or assemblies covered by this standard are intended for use in recreational vehicles when installed in accordance with all applicable code requirements.

3. GENERAL REQUIREMENTS

- 3.1** All materials that come in contact with potable water shall be non-toxic and shall show compliance with IAPMO TS 31.
- 3.2** **Construction.** Pressure caps shall be designed to withstand a minimum of 200 psi.
- 3.2.1** Auxiliary hose connection, when provided shall have a three-quarter (3/4) in. female hose connection and a back-flow preventer complying with IAPMO TS 8.

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- 3.2.2 Outlet Connection.** The minimum allowable ID shall be one and one-quarter (1-1/4) in. with threads conforming to ASME B1.20.1.
- 3.2.2.3 Removable Caps.** Caps shall be positive sealing by hand tightening without the use of any tool.
- 3.2.2.4** If the pressure cap is provided with a pressure relief valve, such valve shall comply with IAPMO TS 8.

4. TESTING REQUIREMENTS

- 4.1** Pressure caps shall be hydraulically tested to a minimum pressure of 200 psi without leakage. The backflow preventer and relief valve shall be tested to comply with IAPMO TS 8.

5. MARKING AND IDENTIFICATION

- 5.1** All caps shall be legibly and permanently identified with the following:
- (a) Manufacturer's name or trademark; and
 - (b) Part number or name.

Adopted: 1966

Revised: 1985, 1990, 1991, 1997, 2004, 2005, 2006

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