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INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO GUIDE CRITERIA FOR

TUB/WHIRLPOOL BATHTUB WITH PRESSURE SEALED DOOR AND DRAINAGE TANK

IAPMO IGC 274-2010a

1. PURPOSE

- 1.1** The purpose of this standard is to establish a generally acceptable standard for tub/whirlpool bathtub with pressure sealed door and drainage tank. Its purpose is to serve as a guide for producers, distributors, architects, engineers, contractors, installers, inspectors and users; to promote understanding regarding materials, manufacture and installation; and to provide for identifying tub/whirlpool bathtub with pressure sealed door and drainage tank that conform to this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate materials or method of construction, provided any such alternate meets the intent and requirements of this document and changes are amended to this standard.

2. SCOPE

- 2.1** This standard covers minimum requirements for materials in the construction of tub/whirlpool bathtub with pressure sealed doors and drainage tank, and to prescribe minimum test requirements for the performance of these devices, general requirements and methods of marking and identification.

3. REFERENCED STANDARDS

- 3.1** All standards referenced herein shall be the current edition of that standard.

ASME A112.18.1/CSA B125.1	Plumbing Fixture Fittings
ASME A112.18.2/CSA B125.2	Plumbing Waste Fittings
ASME A112.19.7	Hydromassage Bathtub Appliances
ASME A112.19.15	Bathtub/Whirlpool Bathtubs with Pressure Sealed Doors
ASTM F 446	Grab Bars and Accessories Installed in the Bathing Area
CSA B45.0	Plumbing Fixtures
CSA B45.10	Hydromassage Bathtubs
UL 1795	Hydromassage Bathtubs

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UL 1951
UL 60335-1

UL 60601

Electric Plumbing Accessories
Safety of Household and Similar Electrical
Appliances, Part 1: General Requirements
Medical Electrical Equipment, Part 1: General
Requirements for Safety

4. GENERAL REQUIREMENTS

- 4.1 Tub/Whirlpool Bathtubs.** Plastic bathtubs or soaker tubs shall comply with the applicable requirements in IAPMO/ANSI Z124.1.2 or CSA B45.0. Whirlpool Bathtubs shall comply with ASME A112.19.7 or CSA B45.10.

Note: When the pocket door is made of a dissimilar material from that of the tub, the door shall also be tested in accordance with Section 14.5 of CSA B45.0

- 4.2 Supply Fittings.** Supply fittings shall comply with the applicable requirements of ASME A112.18.1/CSA B125.1.
- 4.3 Pressure Seal Door.** Pressure seal doors shall comply with ASME A112.19.15.
- 4.4 Waste Fittings.** Waste fittings shall comply with ASME A112.18.2/CSA B125.2 and shall have a minimum 1-1/2" O.D.
- 4.5 Electrical Components.** Electrical components including pumps shall comply with either UL 1795, UL 1951, UL 60601 or UL 60335-1. Pumps shall comply with Section 2.1.4 of ASME A112.19.7.
- 4.6 Drainage Tank.** The tank shall be made of polyethylene and shall comply with the requirements of Section 5.2 and 5.3 of this standard. Tank shall have a method to prevent waste gases from enter back into tub and a cleanout for cleaning access.

5. TESTING REQUIREMENTS

- 5.1** Install device into wall hydrant in accordance with manufacturer's installation instructions. Sample shall be tested in accordance with the Test Requirements in ASME A112.19.7.
- 5.1.1 Performance Requirements.** The test sample shall meet all the requirements within in ASME A112.19.7.
- 5.2 Hydrostatic Pressure Test for Reservoir Tank.** Connect unit in accordance with the manufacturer's installation instruction and hydrostatically pressure tested the reservoir tank at a pressure of 5 psi at $122 \pm 3^{\circ}\text{F}$ for 5 minutes. After 5 minutes, inspect test tank for any visible cracks or leaks. The tank shall show no signs of leakage or cracks.
- 5.2.1** When system cannot be pressurized due to unblockable venting openings, the outlet to drainline shall be sealed and then the tub and drain tank shall be filled so that a pressure

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