

INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO GUIDE CRITERIA FOR AIR JETTED LAUNDRY TUB

IAPMO IGC 171-2007 (R2013)

1. PURPOSE

- 1.1** This standard establishes general requirements for air jetted laundry tubs. This is intended to serve as a guide for manufacturers, distributors, architects, contractors, installers and engineers to promote understanding regarding materials, fabrication, performance, and installation of air jetted laundry tubs. It will also provide a means for identifying devices complying with this standard.
- 1.2** The provisions of this standard are not intended to prevent the use of any alternate material 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 includes requirements for general requirements, dimensions, detail requirements, and identification and marking.

3. DEFINITION

- 3.1** An air jetted laundry tub consists of a basin, an air blower, an electronic control, and a piping system, and is intended to gently soak delicate clothing in water. This product is not to be compared or confused with type washing machines which are used to wash or clean the clothes.

4. REFERENCED STANDARDS

- 4.1** All standards referenced herein shall be the current edition of the standards.

ANSI Z124.6	Plastic Sinks
ASME A112.19.7M	Whirlpool Bathtub Appliances
CSA B45.0	General Requirements for Plumbing Fixtures
UL 1795	Hydromassage Bathtubs
UL 1951	Electric Plumbing Accessories

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5. GENERAL REQUIREMENTS

- 5.1 Installation of air jetted laundry tubs shall be in accordance with the manufacturer's instructions and the latest edition of the Uniform Plumbing Code.
- 5.2 Air jetted laundry tub components such as piping, fittings, controls and blowers shall be listed by a nationally recognized listing agency.

6. DIMENSIONS

- 6.1 An air jetted laundry tub shall have no mandatory dimensions as long as it does not conflict with the referenced standards.

7. DETAIL REQUIREMENTS

- 7.1 Laundry tub shell shall comply with applicable sections of ANSI Z124.6.
- 7.2 **Water Retention Test.** Conduct the following test procedure within a period of 1-hour time.
 - 7.2.1 Place the air jetted laundry tub in a level and connected position as it would be installed in the field. Position directional jets, which are not self-adjusting, horizontally.
 - 7.2.2 Fill the air jetted laundry tub with water at a temperature of $75 \pm 5^{\circ}\text{F}$ ($24 \pm 3^{\circ}\text{C}$) until the jets are completely covered. Record the chlorine level of the test water.
 - 7.2.3 Operate the air pump for 2 min to 3 min.
 - 7.2.4 Drain the air jetted laundry tub completely.
 - 7.2.5 Using a graduated container, refill the laundry tub with enough water to cover the jets, measuring the water in quantities as given below.
 - 7.2.6 Record the quantity of water added to the nearest 1/2 gal (1.9 L). Remove 1 gal per 50 gal (3.8 L per 189.3 L) quantity and 2 gal per 100 gal (7.6 L per 379 L) quantity to dissolve the chlorine in accordance with Table 2 of ASME A112.19.7. Select the appropriate column in Table 2 based upon the chlorine concentration to determine the amount of chlorine solution to be added.
 - 7.2.7 Dissolve the measured quantity of chlorine solution in the removed sample and pour this solution into the air jetted laundry tub.
 - 7.2.8 Run the air jetted laundry tub air pump for 2 min. Shut off the air pump and allow the water with chlorine solution to sit in the tub for 10 minutes to allow back drainage of water into the air channels. After the 10 minutes have elapsed, with the blower still shut off, drain the air jetted bath completely. Five minutes after draining, wipe all excess water from the air jetted bath's surface.

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