

Translated English of Chinese Standard: QB2585-2007

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LIGHT INDUSTRY STANDARD OF
THE PEOPLE'S REPUBLIC OF CHINA

ICS 91.140.70

Classification number: Y71

Registration number: 21415-2007

QB 2585-2007

Replacing QB 2585-2002

Hydromassage bathtub

喷水按摩浴缸

Issued on: May 29, 2007

Implemented on: December 01, 2007

Issued by: National Development and Reform Commission of PRC

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Foreword

Clause 4.1.2, 4.4.3, 4.5, and 4.6 of this standard are mandatory, and the rest are recommended.

This standard is an amendment to QB 2585-2003 “Hydromassage bathtub”.

In order to better meet the needs of domestic and foreign markets and to align product quality with international standards, in the revision process of this standard, combined with the development status of China's sanitary hardware industry, it mainly refers to the United States UL1795 “Whirlpool bathtub”, the European standard EN 60335-2-60-2003 “Household and similar purpose appliance safety - Special requirements for vortex bathtub”, EN 12764 “Vortex bathtub” and other advanced foreign standards.

As compared with QB 2585-2003, the main changes of this standard are as follows:

- MODIFY the product's water jet distance requirements;
- MODIFY the requirements for product retention water;
- MODIFY the provisions for product noise values;
- ADD the requirements that the product shall be equipped with a backflow device that isolates the sewer odor.

This standard was proposed by China Light Industry Federation.

This standard shall be under the jurisdiction of the National Hardware Products Standardization Technical Committee Construction Hardware Subcommittee.

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Hydromassage bathtub

1 Scope

This standard specifies the definition, requirements, test methods, inspection rules and signs, instruction manuals, packaging, transportation and storage of hydromassage bathtubs (hereinafter referred to as “hydromassage bathtubs”).

This standard applies to hydromassage bathtub used by no more than three persons assembled from bathtubs, water pumps, air pumps, nozzles, drains and other accessories.

2 Normative references

The provisions in following documents become the provisions of this standard through reference in this standard. For the dated references, the subsequent amendments (excluding corrections) or revisions do not apply to this standard; however, parties who reach an agreement based on this standard are encouraged to study if the latest versions of these documents are applicable. For undated references, the latest edition of the referenced document applies.

GB/T 191-2000 Packaging - Pictorial marking for handling of goods

GB 4706.73-2004 Household and similar electrical appliances safety - Particular requirements for whirlpool baths

GB 18145-2003 Ceramic cartridge faucets

JC/T 932-2003 Drainage fittings for sanitary wares

JC/T 779-2000 Glass fiber reinforced plastics baths

QB 1334-2004 Universal technical terms for faucets

QB/T 2664-2004 Enameled bathtub

3 Definitions

The hydromassage bathtub is a bathtub with a jet of air-containing water that is injected into the body to produce a massage effect.

5 Test methods

5.1 Appearance

Appearance is tested by the visual inspection method, visual inspection shall be carried out under diffuse light, the illumination shall not be less than 300 lx, and 500 mm from the object under test.

5.2 Bathtub block

5.2.1 The enameled bathtub is tested in accordance with QB/T 2664-2004.

5.2.2 Glass fiber reinforced plastic bathtubs are tested in accordance with JC/T 779-2000.

5.2.3 The bathtubs of other surface materials are tested in accordance with the corresponding standards.

5.3 Determination of surface treatment of metal fittings

5.3.1 Electroplating and spraying surface are measured in accordance with 6.4 in QB 1334-2004.

5.3.2 The corrosion resistance of electroplating and coating shall be measured in accordance with 6.7 of QB 1334-2004.

5.4 Use performance

5.4.1 Determination of water jet distance

PLACE the bathtub on a platform, LEVEL the bathtub, INJECT water 50 mm above the center of the highest nozzle of the bathtub, START the pump, USE the steel ruler to measure the water jet horizontal distance.

5.4.2 Determination of tightness

5.4.2.1 INJECT the room temperature water into the hydromassage bathtub to the overflow level, START the pump to make the running time of the circulation system not less than 10 min. Visually CHECK each sealing surfaces of the hydromassage bathtub and the joints of the pipes.

5.4.2.2 INJECT the room temperature water into the hydromassage bathtub to the overflow level, BLOCK all nozzle outlets in the bathtub, START the water pump, visually CHECK the pipe connections of bathtub.

5.4.2.3 INJECT water at 60°C into the hydromassage bathtub to the overflow level, START the pump to make the running time of the circulation system not

5.7 Detection of backflow device for insolation of sewer odor

REMOVE the drain cover from the product, visually CHECK the water seal in the drain.

6 Inspection rules

Product inspection is divided into exit-factory inspection and type inspection.

6.1 Exit-factory inspection

6.1.1 Each product shall be subject to exit-factory inspection, and can only be delivered after passing the inspection.

6.1.2 Exit-factory inspection items are as shown in Table 4.

6.2 Type inspection

In one of the following situations, a type inspection shall be carried out:

- a) The trial production finalization identification of new product or trans-plant production of old product;
- b) When the product being produced has significant changes in design, process, production equipment, management, etc. that may affect product performance;
- c) In normal production, one inspection shall be performed regularly after a certain period of time or accumulation of a certain quantity;
- d) When production resumes after production suspension;
- e) When there is a big difference between the exit-factory inspection result and the last type inspection;
- f) When the national quality supervision institute proposes the requirements for type inspection

6.2.2 The type inspection shall be carried out in accordance with all the items required by this standard.

6.2.3 Type inspections shall be performed for the qualified product after exit-factory inspection, one set is taken from each batch for inspection. If the inspection fails to meet this standard, the number of samples may be doubled. If it still does not meet this standard, the batch of products shall be judged as disqualified.

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