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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB 18145-2003

Replace GB 18145-2000

Ceramic Cartridge Faucets

陶瓷片密封水嘴

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and Quarantine of the People's Republic of China**

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Foreword

The Clause 6.1.8, 6.3.1, 6.3.2, 6.3.3.2, 6.3.4 of this Standard is mandatory, others are recommended.

This Standard is not equivalent to EN 817-1997 *Sanitary tapware - Mechanical mixers (PN 10) General technical specifications*. In addition to noise requirements, other main technical requirement is equivalent to EN 817. And added the stipulation on upper limit value of faucet flow, cold-hot fatigue requirements of faucet, hardness requirements of ceramic disk, in water-saving and improve faucet applying reliability becomes more reasonable.

This Standard is replaced GB/T 18145-2000 *Ceramic Cartridge Faucets*.

Comparing with GB/T 18145-2000, main changes of this Standard as follows:

- Modified the stipulation on twisting moment of faucet. (6.2.3 in original standard; 6.1.6 in this standard)
- Changed the external surface salt-spray test of faucet into acetate salt spray test so as to shorten test time and improve efficiency. (6.2.3 in original standard; 6.2.2 in this standard)
- Added the upper limit value of faucet flow, so as to live up to national water-saving policy. (see 6.3.3.3)
- Modified annex D (normative), carried out specific provision of lift test methods for faucet. (see annex D)

The noise grade and test methods for faucet is given in annex E, for reference

The annex B, annex C and annex D of this Standard is normative.

The annex A and annex E of this Standard is informative.

Since implementation date, partial “ceramic cartridge faucets” in QB/T 1334-98 Universal technical terms for faucets

This Standard is proposed by China Building Materials Federation.

This Standard is under the jurisdiction of National Building Material Industry Hardware and Plumbing Equipment Quality Supervision and Test Center and State Bureau of Light Industry and Center of Supervision & Inspection on Building Material and Hardware Quality.

Main draft unit of this Standard is Beijing Plumbing Hardware Products Quality Supervision and Inspection Station.

Participated draft units of this Standard are Zhuhai Mingshi Ceramics Valve Co. Ltd, Guangdong Chaoyang Sanitary Ware Co., Ltd, Beijing Building Hardware Research Experiment Factory, Fujian Building Materials Group Co., Ltd. Yu, Fujian Quanzhou Shenluda Group Co., Ltd, Fujian Huihuang Plumbing Group Co., Ltd, Guangdong Shunde Oasa Sanitary Company, Shenzhen Globe Union Industrial Corp and ToTo (Dalian) Co., Ltd.

Main drafters of this Standard are Wang Wei, Xiao Ruifeng, Shi Hongwei, Xie Qingjun, Ye Guorong, Li Qiaoying, Cai Jianshe, Hong Guangming, Wang Jianye, Su Lihua, Xu Daorun and Zheng Yan.

This standard replaces the following historical editions issued:

GB/T 18145-2000

Ceramic Cartridge Faucets

1 Scope

This Standard specifies the product classification, technical requirements, test methods, inspection rules as well marking, packaging and storage of ceramic cartridge faucets (faucet for short).

This Standard is applicable to all classes of faucets which installed in water supply pipe of cold and hot water in building with nominal pressure not more than 1.0 MPa and medium temperature not more than 90℃.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 1176 *Specification for cast copper alloys* (GB/T 1176-1987, neq ISO 1338: 1997)

GB/T 2828 *Sampling procedures and tables for lot-by-lot inspection by attributes (Apply to inspection of successive lots or batches)*

GB/T 2829 *Sampling procedures and tables for periodic inspection by attributes (Apply to inspection of stability for productive process)*

GB/T 5593 *Structure ceramic materials used in electronic components*

GB/T 6461-1986 *Metallic coatings--Coatings cathodic to the substrate--Rating of electro-plated test specimens subjected to corrosion tests*

GB/T 7306.1-2000 *Pipe threads with 55 degree thread angle where pressure-tight joints are made on the threads--Part 1: Parallel internal and taper external threads* (eqv ISO 7-1: 1994)

GB/T 7306.2-2000 *Pipe threads with 55 degree thread angle where pressure-tight joints are made on the threads--Part 2: Taper internal and external threads* (eqv ISO 7-1: 1994)

GB/T 7307-2001 *Pipe threads with 55 degree thread angle where pressure-tight joints are not made on the threads* (eqv ISO 288-1: 1994)

GB/T 10125 *Corrosion tests in artificial atmospheres--Salt spray tests* (GB/T 10125-1997, eqv ISO 9227: 1990)

GB/T 17219 *Standard for safety evaluation of equipment and protective materials in drinking water system*

HG/T 3091-2000 *Rubber seals -- Joint rings for water supply drainage and sewerage pipelines -- Specification for materials*

HG/T 3097-2000 *Rubber seals-Joint rings for pipelines for hot-water supply up to 110 ℃-Specification for the materials*

JC 886 *Hose for sanitary fittings*

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