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

GB 6932-2015

Replacing GB 6932-1986

Domestic gas instantaneous water heater

家用燃气快速热水器

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Foreword

This standard Chapter 5

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9.1.1 in Chapter 9 of b),

9.1.2 of Item a), item b), item c), 9.4.1, Appendix A A.2.2.2 of item

a) item, b), the term A.2.2.3 b), A.2.3.1, A.2.3.2.3 of

a) Xiang, boldface Table A.1, Appendix B Table B.1 boldface, Appendix C C.2.1, C.2.2, C.7.4 to the bold C.7.1 Portion, boldface bold portion of C.9.1 to C.9.3, C.13.1 to C.13.11 of the bold portion C.14.1 to C.14.5, Appendix F boldface items F.4.1.1, F.4.1.2, F.4.1.4 and first paragraph

a) are mandatory, others are recommended. This standard was drafted in accordance with rules GB/T 1.1-2009 given. The standard reference JISS2109.2008 "Gas Water Heater", EN26.1998 "Installation atmospheric household gas burner fast Fast food "(Amendments comprising 2 and 3). This standard replaces GB 6932-2001 "Domestic gas instantaneous water heaters." Compared with this standard GB 6932-2001, except for editorial changes Technical changes are as follows:

- modified natural structure and the exhaust gas water heater installation requirements (see 5.1.6.1, 5.1.6.2, 5.2.2.8.1, F.4.1.1);
- Natural increased water heater exhaust safety device to prevent incomplete combustion (see 5.2.3.3);
- on the part concerning the structure and use of safe water heaters were perfect (see 5.1.1, 5.1.2, 5.1.5, 5.2.3);
- increase the gas/air ratio control apparatus according (see 5.2.2.11);
- standard performance requirements, test methods were perfect (see Chapter 6, Section 7);
- for domestic heating gas instantaneous water heaters, household gas instantaneous water heater dual-use part of the contents have been revised and improved (see Appendix A);
- special requirements for increased condensing water heater (see Appendix B);
- improve the safe use of alternating current electric water heater (see Appendix C);

1 Scope

GB 6932-2015 is the Chinese national standard on domestic gas instantaneous water heater, in the field of domestic and commercial equipment, entertainment, sport. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 18 September 2015 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 January 2017. Classification: ICS 97.120, CCS Y69. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in

the document itself, which is delivered complete in English translation.

This standard specifies a domestic gas water heater terms and definitions, and the classification models, materials and structural requirements, performance requirements, Standard Test Method, inspection rules and signs, installation, packaging, transportation and storage. This standard applies to domestic gas water heater hot-water supply load is not greater than the nominal heat of 70kW (hereinafter referred to as hot water heaters); Nominal heat is not greater than 70kW, working pressure is not greater than the maximum heating 0.3MPa, heating temperature not greater than 95 deg.] C to room Forced Vent type, home heating outdoor gas instantaneous water heater (hereinafter referred to as heating water heater) and a dual-type household gas instantaneous water heater (hereinafter Said dual heater), heating comprising condensing water heaters, water heaters, and heating heaters dual specific requirements. This standard does not apply to gas storage water heater.

Note 1. This standard gas referred to is GB/T 13611 "town gas classification and basic characteristics", a predetermined gas GB 13612 "artificial gas", using the GB/T 13611 When outside a predetermined gas, a gas test was carried out with gas provided by the product design, the relevant pressure range with reference to a predetermined GB/T 13611's.

Note 2. domestic gas water heater hot-water supply, heating domestic gas water heater, dual-type gas water heater household collectively domestic gas heat Water (hereinafter referred to as heater).

2 Normative references

The following documents for the application of this document is essential. For dated references, only applies to the version dated paper Pieces. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 191 Packaging Pictorial signs

GB/T 2828.1 Sampling procedures - Part 1. press-batch inspection sampling plan reception quality limit (the AQL) search

GB/T 2828.2 Sampling procedures - Part 2. Test batch sampling plan isolated by limiting quality (LQ) search

GB/T 3280 cold rolled steel and stainless steel

GB 4208 shell protection (IP code) Part 1

GB 4706.1-2005 Safety of household and similar electrical appliances. General requirements

GB/T 5013.1 rated voltage of 450/750V and Rubber insulated cables - Part 1. General

Requirements

GB/T 5023.1 rated voltage of 450/750V and below PVC insulated cables - Part 1. General Requirements

GB/T 5465.2 electrical equipment Graphical symbols Part 2. Graphical symbols

GB/T 7306.1 55 ° pipe thread seal Part 1. the inner cylinder and the taper thread external thread

GB/T 7306.2 55 ° pipe thread seal Part 2. Taper internal and the external threads

GB/T 730755 ° non-sealing pipe thread

GB/T 12113-2003 touch current and protective conductor current measurement

3 Terms and Definitions

GB 4706.1-2005, GB/T 13611, GB 14536.1, GB 14536.6, GB/T 16411-2008, GB/T 17624.1 defined The following terms and definitions apply to this document.

3.1 Switch having a control linkage moisture gas combustion, utilizing the heat of combustion of the rapid heating device by the water flowing inside the heat exchanger.

3.2 Low calorific value net calorific value Q

1 Under the standard condition 1m³ (or 1kg) complete combustion gas heat released, latent heat of the water vapor does not include the heat released.

3.3 Water temperature fluctuations temperature fluctuation In the case where the water and the set water temperature remains constant, the difference between the maximum and minimum temperature of hot water.

3.4 Apply pressure applied water pressure Water relative maximum and minimum values of the static pressure of the water heater can withstand normal operating manufacturer nameplate.

3.5 Heat load (heat flux) heat input The fuel combustion heat released per unit time in the burner, i.e., the product gas of low heating value and the volume flow in the same state.

3.6 Nominal heat load (heat flux nominal) rated heat input Heat load under a predetermined reference atmospheric conditions. This value is the nominal value of the product nameplate, unit of kW (1kW = 3.6MJ/h).

3.7 Minimum heat load (minimum heat flux) minimum heat input At a nominal gas pressure, thermal load is minimal when operating gas flow conditions.

3.8 Gas supply pressure gas supply pressure In the gas inlet of the water heater, measured relative static pressure at runtime.