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**Electronic gas/air ratio adjustment devices for household gas
appliances**

(English Translation)

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References

Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009.

This standard uses the redrafted law to amend the use of ISO 23552-1.:2007 "gas and/or fuel burners and gas and/or fuel appliances Particular requirements for safety and control devices - Part 1. Electronic gas/air ratio control.

This standard compared with ISO 23552-1.:2007 in the structure there are more adjustments listed in Appendix A of this standard and ISO 23552-1.

2007 chapter number control list.

This standard compared with ISO 23552-1.:2007 there are technical differences, the provisions of these differences have been passed in the outer margin of the page margin Set the vertical single (I) were marked in Appendix B is given a list of the corresponding technical differences and their causes.

This standard is consistent with GB 16914-2003 "gas burning appliances safety conditions"

is given in Appendix H of this standard Hold GB 16914-2003 the basic requirements of the corresponding table.

This standard and normative references to the consistency of the international documents corresponding to our country's documents are as follows.

GB/T 2423.10-2008 Environmental testing for electric and electronic products Part 2. Test methods Test FC. Vibration (sinusoidal) (IEC 60068-2-6.:1995, IDT) GB/T 4208 enclosure protection (IP code) (GB/T 4208-2008, IEC 60529.:2001, IDT) GB 14536.1-2008 Household and similar electrical automatic controllers - Part 1. General requirements (IEC 60730-1.:2003 (Ed3.1), IDT) GB 14536.6-2008 Household and similar electrical automatic burner control system for electrical special requirements (IEC 60730-2-5.:2004, IDT) this standard also made the following editorial changes.

--- The name of this standard was changed to "household gas appliance electronic gas and air ratio adjustment device";

--- ISO 23552-1.:2007 provides with the use of ISO 23550.:2004 standard, taking into account China's current and no ISO 23550.:2004 standard consistent correspondence between the series of products in China's basic standards, in the preparation of this standard where involved and the relevant provisions of the ISO 23550.:2004 standard directly into the text;

--- Remove ISO 23552-1.:2007 standard cover, directory, preface and introduction;

--- Remove the normative Annex C of ISO 23552-1.:2007, "Japan's Special Regional Requirements";

--- Remove the ISO 23552-1.:2007 standard Chapter 4 "classification";

--- Added "test method" (see Chapter 6);

--- Added "test rules" (see Chapter 7);

--- Increased information Appendix A "This standard and ISO 23552-1.:2007 compared to the structural changes";

--- Added information Appendix B "This standard and ISO 23552-1.:2007 technical differences and causes";

--- Added information Appendix H "This standard supports the basic requirements of the provisions of GB 16914-2003 corresponding table.

This standard proposed by the Ministry of Housing and Urban Standard and Design Institute.

This standard by the Ministry of Housing and Urban-township gas standard technical focal points centralized.

This standard was drafted. Zhejiang Siguo Precision Machinery Co., Ltd., Guangzhou Jing Ding Electric Technology Co., Ltd., West (Shanghai) Trading Limited, Qingdao Economic and Technological Development Zone Haier Water Heater Co., Ltd., North China Municipal Engineering Design and Research Institute, Zhanjiang CITIC solenoid valve Limited, Honeywell (China) Limited.

1 Scope

This standard specifies the terms and definitions, abbreviations, structures and materials for household gas appliances electronic gas and air ratio control device, Requirements, test methods, inspection rules, marking, installation and operating instructions as well as packaging, shipping and storage.

This standard applies to the maximum working pressure below 10kPa, the nominal diameter of not more than DN50, the use of GB/T 13611 provisions of the town Gas appliances, closed-loop control Household gas appliances that can be tested individually or as part of gas appliances (or burners) Electronics Gas and air ratio adjustment device.

2 Normative references

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

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780.:1997, MOD) GB/T 1019-2008 Household and similar electrical appliances packaging General GB/T 2423.10 Environmental testing for electric and electronic products Part 2. Test methods Test FC. Vibration (sinusoidal) (GB/T 2423.10-2008, IEC 60068-2-6.:1995, IDT) GB/T 4208 enclosure protection (IP code) (GB/T 4208-2008, IEC 60529.:2001, IDT) GB/T 4857.3 Packaging - Transport packages - Basic test - Part 3. Static load stacking test method (GB/T 4857.3-2008, ISO 2234.:2000, IDT) GB/T 4857.5 package transport package drop test method (GB/T 4857.5-1992, eqvISO 2248. 1985) GB/T 7306.1 55 ° sealing pipe threads - Part 1. Cylindrical and tapered male thread (GB/T 7306.1-2000, eqv ISO 7-1.:1994) GB/T 7306.2 55 ° sealed pipe thread Part 2. Cone and conical male thread (GB/T 7306.2-2000, eqv ISO 7-1.:1994) GB/T 7307 55 ° non-sealed pipe thread (GB/T 7307-2001, eqvISO 228-1..1994) GB/T 9144 ordinary thread preferred series (GB/T 9144-2003, ISO 262.:1998, MOD) GB/T 12716 60 ° sealing pipe thread GB/T 13611 urban gas classification and basic characteristics GB 14536.1-2008 Household and similar electrical automatic controllers - Part 1. General requirements (IEC 60730-1.:2003 (Ed3.1), IDT) GB 14536.6-2008 Household and similar electrical automatic burner control system for electrical special requirements (IEC 60730-2-5.:2004, IDT) Household gas appliances GB/T 16411-2008 General test methods GB/T 17626.2 Electromagnetic compatibility test and measurement techniques Electrostatic discharge immunity test (GB/T 17626.2-2006, IEC