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

CJ/T 450-2014

**Pneumatic gas/air ratio adjustment devices for gas-burning
appliances**

(English Translation)

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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 23551-3.:2005 "gas burners and gas appliances with safety and control equipment Set --- special requirements --- Part 3. Pneumatic gas/air ratio controller. " this standard and ISO 23551-3.:2005 compared to the structure in more adjustment, Appendix A lists the standards and ISO 23551-3.

2005 reg number control list.

This standard compared with ISO 23551-3.:2005 there are technical differences. The terms of these differences have been passed on the outside of their pages empty the vertical single line (|) at white is marked, and a list of the corresponding technical differences and

their causes is given in Appendix B.

This standard is consistent with GB 16914-2012 "gas burning appliances safety conditions", given in Appendix F of this standard branch GB 16914-2012 with the basic requirements of the provisions of the corresponding table.

This standard also made the following editorial changes.

--- Deleted ISO 23551-3.:2005 Foreword and Introduction.

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

This standard by the Ministry of Housing and Urban Gas Standardization Technical Committee centralized.

This standard was drafted. Guangzhou Jing Ding Electric Technology Co., Ltd., China Municipal Engineering North China Design and Research Institute, Guangdong MACRO Gas Co., Ltd., AO Smith (China) Water Heater Co., Ltd., Guangzhou Dissen Domestic Boiler Manufacturing Co., Ltd., West Gas Control Systems Manufacturing (Suzhou) Co., Ltd., Honeywell (China) Co., Ltd., Zhanjiang CITIC Solenoid Valve Co., Ltd., Guangdong Wanhe New Electric Co., Ltd.

Limited, Guangdong, the United States kitchen appliances Electric Manufacturing Co., Ltd., Zhejiang Overseas Chinese Industrial Co., Ltd., Qingdao Economic and Technological Development Zone Haier water heater Limited, Shaoxing Eco Electric Co., Ltd., the national gas appliances Quality Supervision and Inspection Center.

1 Scope

This standard specifies the gas burner and gas burner with pneumatic gas/air ratio adjustment device (hereinafter referred to as "proportional adjustment Devices"), terms and definitions, classification and grouping, structure and materials, requirements, test methods, inspection rules, marking, installation and operating instructions and packaging, transportation and storage.

This standard applies to indicate the maximum working pressure is not greater than 50kPa, nominal size is not greater than DN250, the use of GB/T 13611 provisions of town gas, gas pressure from the air pressure change and can be individually tested ratio adjustment device.

The gas pressure to change the air pressure ratio adjustment device can refer to the implementation of this standard.

This standard does not apply to the proportion of mechanical linkage adjustment device and the electronic control of the 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 1690-2010 vulcanized rubber or thermoplastic rubber liquid test methods (ISO 1817.:2005, MOD) GB/T 3091 welded steel pipe for delivery of low-pressure fluid (GB/T 3091-2008, ISO 559.:1991, NEQ) GB 4208 enclosure protection (IP code) (GB 4208-2008, IEC 60529.:2001, IDT) GB/T 5013.1 Rated voltage 450/750V and below rubber insulated cables - Part 1. General requirements (GB/T 5013.1-2008, IEC 60245-1.:2003, IDT) GB/T 5023.1 Rated voltage 450/750V and below PVC insulated cables - Part 1. General requirements (GB/T 5023.1-2008, IEC 60227-1.:2007, IDT) GB/T 7306 (all parts) 55 ° sealing pipe thread (eqvISO 7-1..1994) GB/T 7307 55 ° non-sealed pipe thread (GB/T 7307-2001, eqvISO 228-1..1994) GB/T 9144 necked steel pipe flanges GB/T 9144 ordinary thread priority 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 15092.1 appliance switches - Part 1. General requirements (GB 15092.1-2010, IEC 61058-1.:2008, IDT) GB/T 15530 (all parts) copper alloy flange Household gas appliances GB/T 16411-2008 General test methods GB/T 17241 (all parts) cast iron pipe flange Domestic gas burning appliances conformity assessment procedures and inspection rules

3 Terms and definitions

The following terms and definitions apply to this document.