

ICS 91.140
CCS P 45



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

GB/T 30597-2014

**General requirements of safety and control devices for gas
burners and gas-burning appliances**

燃气燃烧器和燃烧器具用安全和控制装置通用要求

(English Translation)

Issued on: June 9, 2014

Implemented on: December 1, 2014

Issued by: Standardization Administration of China

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References

Foreword

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

This standard uses redrafted Law Amendment uses ISO 23550:2011 "gas burner and the burner with a safety and control devices General requirements. " this standard and ISO 23550:2011, compared with more adjustment in the structure, listed in Appendix A of this standard and ISO 23550:2011 the reg number control list.

This standard and ISO 23550:2011 as compared to the presence of technical differences. The terms of these differences have been involved in the outside by a blank page Vertical single-line position (I) were marked. Appendix B gives a list of corresponding technical differences and their causes.

This standard is consistent with GB 16914-2012 "gas burning appliances safety and technical conditions", is given in Appendix C of the standard support Terms of holding the basic requirements GB 16914-2012 correspondence table.

This standard also made the following editorial changes.

--- Remove the ISO 23550:2011 Foreword and Introduction;

--- Remove the ISO 23550:2011 reference.

The standard proposed by the Ministry of Housing and Urban-Rural Development of the People's Republic of China.

This standard is under the jurisdiction of the Ministry of Housing and Urban Gas Standardization Technical Committee.

This standard was drafted. North China Municipal Engineering Design Institute, Taiyuan Coal Gasification (Group) Co., Ltd., Guangzhou Devotion Household Boiler Manufacturing

Co., Ltd., Guangdong Midea Electric Manufacturing Co., Ltd. kitchen, Ningbo, too kitchenware Ltd., Qingdao Economic and Technological Development Zone Haier Water Heater Co., Ltd., Guangzhou fine tripod Electric Technology Co., Ltd., Belfast (Shanghai) Co., Ltd., Zhejiang Jiangxin Tao Electronic Machinery Co., Ltd. Zhanjiang CITIC solenoid valves, Zhuji Keim thermal Equipment Co., Ltd., Guangdong Macro Gas Appliance Co., Ltd., Guangzhou East Million and the new Electric Co., Ltd., AO Smith (China) Water Heater Co., BSH Electrical Appliances (Jiangsu) Co., Ltd., Zhejiang Overseas Hang Industrial Co., Ltd., Guangdong Evergreen (Group) Co., Ltd., the rate of energy (China) Investment Co., Ltd., Vantage Co., Honeywell Seoul (China) Co., Ltd., Shaoxing City, Viagra can Electric Co., national gas appliances Quality Supervision and Inspection Center.

Introduction

Gas appliances and gas equipment, safety control device as a core component of the whole machine functions to ensure the safety and other aspects of play A crucial role. With the large number of popular applications gas burning appliance, the present standards of product quality to ensure the safety control device, mention Machine, high security, to protect the personal safety has a very important significance.

The standard for general requirements and criteria for each gas appliance parts, modify the header using ISO 23550 standard system with dedicated control unit Standards used in conjunction.

The standards for the future to carry out the ISO product standards lay the foundation for the work of the same series, but also conducive to promoting China's gas Important parts with industry standard product series work to achieve technology further with international standards.

Gas burners and burning equipment Safety and control devices - General requirements

1 Scope

This standard specifies the use of GB/T 13611 stipulated city gas burners and gas burning appliances with safety and control devices and Component (hereinafter referred to as "control device") terms and definitions, classification and grouping, structures and materials, requirements, test methods, marking, installation and operation Brochures, packaging, transport and storage.

This standard applies to the following controls.

- Automatic and semi-automatic valve;
- Combustion control means;
- Flameout protection devices;

- Proportion of gas and air conditioning apparatus;
- Pressure regulating means;
- Plug assembly;
- Temperature control device;
- Multi-function control device;
- Pressure sensing means;
- Valve proving systems.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any 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 of resistance to liquids - Test methods (ISO 1817:2005, MOD) 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 3091 low pressure liquid delivery welded steel pipe (GB/T 3091-2008, ISO 559:1991, NEQ) GB 4208 housing protection (IP Code) (GB 4208-2008, IEC 60529:2001, IDT) GB/T 5013.1 rated voltage of 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 of 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 (eqv ISO 7-1:1994) GB/T 7307 55 ° non-sealing pipe thread (GB/T 7307-2001, eqv ISO 228-1:1994) GB/T 9114 steel pipe flange with neck GB/T 9144 series common thread priority (GB/T 9144-2003, ISO 262:1998, MOD) GB/T 12716 60 ° sealing pipe thread GB/T 13611 Classification and essential property of city gas