

ICS 91.140  
CCS P 47

**CJ**

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

**CJ/T 346-2010**

---

**Automatic shut-off valves for gas-burning appliances  
(English Translation)**

**Issued on: August 3, 2010**

**Implemented on: January 1, 2011**

---

**Issued by: Ministry of Housing and Urban-Rural Development of the  
People's Republic of China**

## Table of Contents

|                                                                                                                         |  |
|-------------------------------------------------------------------------------------------------------------------------|--|
| Preface                                                                                                                 |  |
| 1 Scope                                                                                                                 |  |
| 2 Normative references                                                                                                  |  |
| 3 Terms and definitions                                                                                                 |  |
| 4 Categories                                                                                                            |  |
| 5 Structure and materials                                                                                               |  |
| 6 Requests                                                                                                              |  |
| 7 Test methods                                                                                                          |  |
| 8 Identification, installation and operating instructions                                                               |  |
| Inspection rules                                                                                                        |  |
| 10 Packaging, transportation and storage                                                                                |  |
| Appendix A (informative) This standard reg number and ISO 23551-1.:2006 reg Article number control                      |  |
| Appendix B (informative) This standard and ISO 23551-1.:2006 technical differences and their causes                     |  |
| Appendix C (Normative) Electrical Safety Requirements                                                                   |  |
| Appendix D (Normative) Electromagnetic Compatibility (EMC) Requirements                                                 |  |
| Appendix E (Informative) Air tightness test volume method                                                               |  |
| Appendix F (informative) This standard supports the provisions of the basic requirements of GB 16914-2003 Corresponding |  |

## Foreword

This standard is modified using ISO 23551-1.:2006 "Gas burners and gas appliances safety and control devices --- special requirements ---Part 1. Automatic Valves "(in English).

This standard was drafted in accordance with ISO 23551-1.:2006. For the sake of comparison, this standard and the International are given in informative Appendix A.

The standard terms of the control list.

Due to the legal requirements of our country and the special needs of industry, this standard has been amended when adopting this international standard. These technical differences Use the vertical single lines to identify the margins in the terms that they cover. A list of technical differences and their causes is given in Appendix B

Table for reference.

For ease of use, this standard also made the following editorial changes.

- a) Replace "this International Standard" with "this standard";
- b) Use the decimal "." instead of the comma "," as the decimal point;
- c) Delete the preface and introduction of international standards.

This standard Appendix C and Appendix D normative appendix, Appendix A, Appendix B, Appendix E and Appendix F are informative appendices.

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. Emerson Environmental Optimization Technology (Suzhou) Co., Ltd., West (Shanghai) Trading Co., Ltd., Qingdao economy Technology Development Zone, Haier Water Heater Co., Ltd., Zhejiang Xintao Electronic Machinery Co., Ltd., Bo Xihua Electric (Jiangsu) Co., Ltd., Zhejiang Overseas Chinese Industrial Co., Ltd., China Municipal Engineering North China Design and Research Institute.

## 1 Scope

This standard specifies the terminology and definition, classification, structure and materials of household gas appliance automatic stop valve (hereinafter referred to as valve), requirements, test side France, labeling, installation and operating instructions, inspection rules, packaging, transport and storage.

This standard applies to indicate the maximum working pressure below 10kPa, the nominal diameter of not more than DN50, and the use of GB/T 13611 Regulation Set the town gas appliances on the valve.

This standard applies to electromagnetic, electric or mechanical direct or indirect operation of the valve.

This standard applies to fluid-driven control valve (fluid such as. gas, liquid).

This standard applies to the valve with closed position indication switch.

## 2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. All dated references, which are subsequently owned Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to reach an agreement based on this standard research Whether you can use the latest versions of these files. For undated references, the latest

version applies to this standard.

GB/T 191-2008 Packaging - Pictorial signs (ISO 780.:1997, MOD) GB/T 9144 ordinary thread priority series (GB/T 9114-2003, ISO 262.:1998, MOD) GB/T 1019-2008 Household and similar electrical appliances packaging General GB 4208 enclosure protection class (IP) code (GB 4208-2008, IEC 60529.:2001, IDT) GB/T 4857.3-2008 Packaging, transport packages - Basic test - Part 3. Static load stacking test method (ISO 2234.

2000, IDT)

GB/T 4857.5-1992 Packaging, transport packages drop test method (eqvISO 2248. 1985) GB/T 5013.1-2008 Rated voltage 450/750V and below rubber insulated cables - Part 1. General requirements (IEC 60245-1.:2003, IDT) GB/T 5023.1-2008 Rated voltage 450/750V and below PVC insulated cables - Part 1. General requirements (IEC 60227-1.:2007, IDT) GB/T 7306.1 55 ° sealed pipe thread Part 1. Cylindrical and tapered male thread (GB/T 7306.1-2000, eqvISO 7-1..1994) GB/T 7306.2 55 ° sealed pipe thread Part 2. Cone and conical male thread (GB/T 7306.2-2000, eqvISO 7-1..1994) GB/T 7307 55 ° non-sealed pipe thread (GB/T 7307-2001, eqvISO 228-1..1994) GB/T 9114 protruding face with a threaded steel pipe flange 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 15092.1-2003 Appliance switches - Part 1. General requirements (IEC 61058-1.:2000, IDT) GB/T 15530.1 copper alloy cast flange GB/T 15530.2 copper alloy butt flange GB/T 15530.3 copper alloy plate welding flange