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

**CJ/T 469-2015**

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**Heat exchanger of gas water heater and gas heating boiler**

燃气热水器及采暖炉用热交换器

**(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 is consistent with GB 16914-2012 "gas burning appliances safety conditions", given in Appendix A of this standard Support GB 16914-2012 basic requirements of the provisions of the 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 Gas Standardization Technical Committee centralized.

This standard was drafted. Chengdu forward heat exchanger limited liability company, China Municipal Engineering North China Design and Research Institute Co., Ltd., International Copper Association (China), Bosch Thermotechnology (Shanghai) Co., Ltd., Guangzhou Dissen Domestic Boiler Manufacturing Co., Ltd., Ningbo Fang Tai Kitchen Co., Ltd., Chengdu Shuangliu wall heat exchanger limited liability company, Wuhou District, Chengdu Shihao electrical Machinery Factory, Zhanjiang Shuangliu heat exchanger system Co., Ltd., Chengdu Ke Sheng heat exchanger limited liability company, the same Technology Development Co., Ltd., AO Smith (China) Water Heater Co., Ltd.

Division, Sakura Wei kitchen (China) Co., Ltd., Guangdong million and New Electric Co., Ltd., Guangdong MACRO Gas Co., Ltd., Beijing Philippines Siman Heating Technology Co., Ltd., Guangdong Nuoke Refrigeration Equipment Co., Ltd., Qingdao Economic and Technological Development Zone Haier Water Heater Co., Ltd., Guangdong US kitchen and toilet Electric Manufacturing Co., Ltd., rate (China) Investment Co., Ltd., Bekaert Management (Shanghai) Co., Ltd., the national gas appliances Quality Supervision and Inspection Center.

## 1 Scope

This standard specifies the terms and definitions, classification and type of gas water heaters and heating furnace heat exchanger (hereinafter referred to as "heat exchanger"),

Materials and structures, requirements, test methods, inspection rules, marking, packaging, transport and storage.

This standard applies to the installation of GB 6932 and CJ/T 336 in the domestic gas water heaters fast copper and stainless steel Heat exchanger, also applies to the installation in the GB 25034 and CJ/T 395 in the single heating and heating hot water dual-purpose gas heating stove Copper and stainless steel heat exchangers.

This standard does not apply to gas heating hot water dual-use plate heat exchanger.

## 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 6932 domestic gas fast water heater GB/T 7306 (all parts) 55 ° sealing pipe thread GB/T 7307 55 ° non-sealed pipe thread Tests for crosshatch of paints and varnishes - GB/T 9286-1998 Household gas appliances GB/T 16411-2008 General test methods GB 25034 gas heating water heaters Domestic gas burning appliances conformity assessment procedures and inspection rules CJ/T 336 condensing domestic gas fast water heater CJ/T 395 condensing gas heating dual-use furnace

## 3 Terms and definitions

The following terms and definitions apply to this document.

Heat exchanger A device that uses water from the combustion of flue gases to heat water.

High temperature heat exchanger Heat exchangers that contact with hot flue gas for heat exchange.

Condensing section heat exchanger condensingheatexchanger After the high temperature heat exchanger heat exchanger, the flue gas in the gasification latent heat again, and the surface will usually have condensed water for Heat exchanger for heat exchange.

Integrated condensing heat exchanger Structure of the high temperature and condensation section as one of the heat exchanger.