

ICS 91.140
CCS P 45

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

CJ/T 199-2018

Replacing CJ/T 199-2004

**Supply-exhaust pipe for combustion appliance
(English Translation)**

Issued on: June 12, 2018

Implemented on: December 1, 2018

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

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Foreword

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

This standard replaces CJ/T 199-2004 "Stainless steel for exhaust pipes for combustion appliances". Major technical changes compared to CJ/T 199-2004 the following is as follows.

- Added terms and definitions (see Chapter 3);
- Increased the corresponding requirements for aluminum exhaust pipes and non-metal feed pipes (see Chapters 5 and 6);
- Increased tolerance for the size of the exhaust pipe (see 5.2.2);
- Increased inter-tube connectivity (see 6.4);
- Increased resistance to salt spray corrosion (see 6.11);
- Increased the fit of the elastic seal to the annular groove (see 6.12);
- Increased material properties of the exhaust pipe elastic seal (see 6.13);
- Modified tensile strength (see 6.3, 2004 version 4.4);
- Modified the air tightness requirements (see 6.5, 2004 version 4.4);
- Modified the classification and model (see Chapter 4, Chapter 3 of the 2004 edition);
- The contents of the inspection rules are moved into the text (see Chapter 8, Appendix A of the 2004 edition);
- Removed the clearance for the insertion of the exhaust pipe to the joint (2004 version 4.2.3).

This standard was proposed by the Institute of Standardization of the Ministry of Housing and Urban-Rural Development.

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

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Division, Danyang Wanhua Metal Tube Co., Ltd., Zhongshan Hengle Electric Co., Ltd., Ningbo Anbang Pipe Industry Co., Ltd., National Gas Appliances Quality Supervision and Inspection Center.

1 Scope

This standard specifies the terms and definitions, classification and model, material, structure and meaning of the exhaust pipe for the combustion appliance (hereinafter referred to as the exhaust pipe).

Appearance, performance requirements, test methods, inspection rules, signs and instructions for use, packaging, transportation and storage.

This standard applies to the use of urban gas, fuel kerosene and domestic fuel for closed combustion appliances for the exhaust pipe.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 191 packaging storage and transportation icon GB/T 528 Determination of tensile stress-strain properties of vulcanized rubber or thermoplastic rubber Rubber and rubber -- Determination of hardness of indented rubbers -- Part 1 . Shore hardness test method (Shore hardness) Plastics -- Determination of density of non-foam plastics -- Part 1 . Dipping method, liquid pycnometer method and titration method GB/T 1040.1 Determination of tensile properties of plastics - Part 1. General GB/T 1043.1 Determination of impact properties of simply supported beams - Part 1 . Non-instrumental impact test GB/T 1685-2008 Determination of compressive stress relaxation of vulcanized rubber or thermoplastic rubber at normal temperature and high temperature GB/T 1690 vulcanized

rubber or thermoplastic rubber liquid test method GB/T 3280 stainless steel cold rolled steel plate and strip GB/T 3512 vulcanized rubber or thermoplastic rubber hot air accelerated aging and heat test GB/T 6031 Determination of hardness of vulcanized rubber or thermoplastic rubber (10IRHD~100IRHD) Rubber and rubber -- Determination of compression set - Part 1 . normal temperature and temperature Under conditions Rubber and rubber products -- Determination of compression set - Part 2. Under low temperature conditions GB/T 9286-1998 Cross-cut test of paint and varnish paint film GB/T 9341 Determination of bending properties of plastics GB/T 10125-2012 Artificial atmosphere corrosion test salt spray test GB/T 16422.3-2014 exposure test methods for plastics - Part 3. Fluorescent UV lamps CJ/T 222-2006 Domestic gas burning appliances conformity assessment procedures and inspection rules

3 Terms and definitions

The following terms and definitions apply to this document.

Connected to the combustion appliance, transporting combustion air from the outside to the combustion appliance, and discharging the combustion products to the outdoor pipe and composition Piece, referred to as the exhaust pipe.