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

CJ/T 197-2010

Replacing CJ/T 197-2004

**Stainless steel corrugated tubes for the connection of gas
appliances**

燃气用具连接用不锈钢波纹软管

(English Translation)

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Foreword

This standard is modified using Japan JISS2145-1991 "gas metal flexible connecting hose" and its amendment single JISS2145-1991 /Amd1.2006 and JISS2145-1991/Amd2.2009.

For the convenience of comparison, the structural differences between this standard and JISS2145-1991 are listed in Appendix A.

The main technical differences between this standard and JISS2145-1991 are.

- Materials are used domestic brands;
- Increase the establishment of product model;
- Modify the content of the inspection rules;
- Increased gas hose ring resistance to gas;
- Increased pressure test pressure holding time;
- Modify the size of the hose, tolerances and minimum bending radius;
- Removed hose flow performance;
- Remove the hose of the solution-resistant and season-resistant.

This standard replaces CJ/T 197-2004 "gas stainless steel corrugated hose." this standard

is the CJ/T 197-2004 "gas stainless steel corrugated hose" revision, compared with CJ/T 197-2004 major changes as follows.

- Modify the scope of application (only for fixed gas appliances connection);
- Increased working temperature (Table 1);
- Supplementary provisions of the hose should be covered (3.7);
- Increased the hose performance in the heat resistance, stress corrosion resistance, to pull, corrosion resistance joints, coating resistance to thermal and thermal variability;
- Remove the cover inside the permeability (Table 4).

This standard Appendix A, Appendix B is an informative annex.

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 unit. Ningbo City, the word management Co., Ltd., North China Municipal Engineering Design and Research Institute, Aerosun morning shares Co., Ltd. Shanghai Branch, Hangzhou Wanquan Metal Hose Co., Ltd., Wenzhou Yi Jiema Bellows Manufacturing Co., Ltd., Jiangyan, Jiangsu Province, a new high Bellows Co., Ltd. Tianjin Tianfu Hose Co., Ltd., Zhejiang Yuhuan Xin Qi Pipe Co., Ltd., Ningbo Xin Jie gas appliances Industrial Co., Ltd.

Co., Ltd., Anhui Wuhu Taihe Pipe Co., Ltd., the national gas appliances Quality Supervision and Inspection Center, Hangzhou Lianfa Pipe Co., Ltd., Ningbo days Xin Metal Hose Co., Ltd., Ningbo Yinzhou Anbang Pipe Co., Ltd.

1 Scope

This standard specifies the gas appliance connection stainless steel corrugated hose (hereinafter referred to as hose) product classification, specifications and model preparation, to Requirements, test methods, inspection rules, marking, packaging, transportation and storage.

This standard applies to the nominal size $DN \leq N32$, nominal pressure $PN \leq 0.01\text{MPa}$ fixed installation of gas stoves, gas water heaters and Gas meter and gas pipe connection with the hose.

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 Packaging - Pictorial signs (GB/T 191-2008, ISO 780:1997, MOD) GB/T 196 ordinary thread basic dimensions (GB/T 196-2003, ISO 724:1993, MOD) GB/T 699 high-quality carbon structural steel GB/T 700 carbon structural steel (GB/T 700-2006, ISO 630-1:1995, NEQ) GB/T 1220 stainless steel rod GB/T 1804 General tolerances Tolerances for linear and angular dimensions without tolerance (ISO/IEC 1804-2000, eqvISO 2768-1.

1989)

GB/T 2828.1 Sampling procedures for sampling inspection - Part 1. Batch inspection sampling plan retrieved by acceptance quality limit (AQL) (GB/T 2828.1-2003, ISO 2859-1:1999, IDT) GB/T 3280 stainless steel cold-rolled steel sheet and strip GB/T 3323 metal melting welding radiography GB/T 4226 stainless steel cold-worked steel rod GB/T 4340.1 metal Vickers hardness test Part 1. Test methods (GB/T 4340.1-1999, eqvISO 6507-1.

1997)

GB/T 4423 copper and copper alloy rod GB/T 7306.1 55 ° sealed pipe thread Part 1 cylindrical internal thread and tapered male thread (GB/T 7306.1-2000, eqv ISO 7-1:1994) GB/T 7306.2 55 ° sealed pipe thread Part 2 conical internal thread and tapered male thread (GB/T 7306.2-2000, eqv ISO 7-1:1994) GB/T 7307 55 ° non-sealed pipe thread (GB/T 7307-2001, eqvISO 228-1.1994) GB/T 8815 wire and cable with soft PVC plastic GB/T 10125 artificial atmosphere corrosion test salt spray test (GB/T 10125-1997, eqvISO 9227.1990) GB/T 13657 bisphenol-A epoxy resin GB/T 14525 corrugated metal hose general technical conditions GB/T 16411 Household gas appliances General test methods GB/T 20878 stainless steel and heat-resistant steel grades and chemical composition HG/T 3089 O-ring with rubber seal material YS/T 649 copper and copper alloy extruded rod