

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

SN/T 5277-2020

**Technical requirements for imported boilers and pressure
vessels Household heating, hot water gas boilers**

进口锅炉及压力容器技术要求 家用采暖、热水燃气锅炉

(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 was proposed and managed by the General Administration of Customs of the People's Republic of China.

Drafting organizations of this standard. Tianjin Customs of the People's Republic of China, Nanjing Customs of the People's Republic of China.

1 Scope

This standard specifies the technical requirements for imported household heating and hot water gas boilers (hereinafter referred to as appliances).

This standard applies to the rated heat input less than or equal to 70kW, the maximum heating working water pressure is less than or equal to 0.3MPa, and the water temperature is not large during operation.

At 95°C, it is a dual-purpose appliance for heating and hot water using atmospheric burners or fan-assisted burners or full premixed burners. It is also suitable for Single heating appliance.

This standard does not apply to the following appliances.

--Natural exhaust flue type, outdoor type appliances;

--Condensing appliances;

-Volumetric appliances;

- Appliances with two independent combustion systems used for heating and hot water in the same enclosure, including appliances with a common flue between the two.

2 Normative references

The following documents are indispensable for the application of this document. For dated reference documents, only the dated version is applicable to this file. For undated reference documents, the latest version (including all amendments) is applicable to this document.

GB/T 191 Packaging, storage and transportation pictorial signs GB 20665-2015 Domestic gas instantaneous water heaters and gas heating water heaters energy efficiency limit values and energy efficiency grades GB 25034-2010 Gas heating water heater "Administrative Measures for Compulsory Product Certification Marks" Announcement No. 1 of 2001 of the National Certification and Accreditation Administration Commission

3 Terms and definitions

The following terms and definitions established in GB/T 191, GB 20665-2015, and GB 25034-2010 apply to this document.

Boiler

A device that uses various fuels, electricity or other energy sources to heat the contained liquid to certain parameters and output thermal energy to the outside.

4.1 General requirements

Imported domestic heating and hot water gas boilers shall comply with the provisions of Chinese laws, administrative regulations and the relevant safety and environmental regulations of the country.

Mandatory requirements for environmental protection, hygiene and health.

If the contract has technical performance requirements, it shall also meet the contract requirements.

Products that belong to the "Catalog of Compulsory Product Certification" should also obtain the corresponding "China National Compulsory Product Certification Certificate" and follow Use and apply certification marks in accordance with the "Management Measures for Compulsory Product Certification Marks".

4.2 Material and structure requirements

4.2.1

The materials of imported household heating and hot water gas boilers should meet the requirements of Article 5.2 of GB 25034-2010.

4.2.2

The structure of imported domestic heating and hot water gas boilers should meet the requirements of Article 5.3 of GB 25034-2010.

4.2.3

The regulating devices, control devices and safety devices of imported domestic heating and hot water gas boilers shall comply with the provisions of GB 25034-2010.

Provision 5.4.

4.2.4

The thermostats and water temperature limiting devices of imported household heating and hot water gas boilers shall comply with Article 5.5 of GB 25034-2010 Regulations.

4.2.5

Imported household heating and hot water gas boilers should be equipped with safety valves and pressure gauges, and the heating water should not damage the expansion tank film.

4.2.6

Imported household heating and hot water gas boilers should be equipped with automatic exhaust devices.

4.2.7

Imported household heating and hot water gas boilers should have automatic antifreeze function.

4.2.8

Imported domestic heating and hot water gas boilers should have two gas pressure measuring points to ensure that the inlet pressure of the appliance and the front of the nozzle can be measured.

pressure. The outer diameter of the pressure measuring tube is 0 5.00.9 mm, the effective length is greater than or equal to 10 mm, and the smallest part aperture is less than or equal to 1 mm. Manometer it should not affect the air tightness of the gas path.

4.3 Safety, health and environmental protection requirements

4.3.1

The energy efficiency limit value and energy saving evaluation value of imported household heating and hot water gas boilers should comply with Chapter 4 of GB 20665-2015 Claim.

4.3.2

The combustion conditions of imported domestic heating and hot water gas boilers should meet the requirements of Article 6.6 of GB 25034-2010.

4.3.3

The noise of imported domestic heating and hot water gas boilers shall comply with the provisions of Article 6.10 of GB 25034-2010.

4.3.4

The electrical safety requirements of imported household heating and hot water gas boilers shall meet the requirements of Article 6.11 of GB 25034-2010.

4.3.5

The electromagnetic compatibility safety of imported household heating and hot water gas boilers shall meet the requirements of Article 6.12 of GB 25034-2010.

4.4 Performance requirements

4.4.1

The airtightness of imported household heating and hot water gas boilers should meet the requirements of Article 6.2 of GB 25034-2010.

4.4.2

The heat input and heat output of imported domestic heating and hot water gas boilers shall comply with the provisions of Article 6.3 of GB 25034-2010.

4.4.3

The operational safety of imported domestic heating and hot water gas boilers shall comply with the provisions of Article 6.4 of GB 25034-2010.

4.4.4

The adjustment, control and safety devices of imported household heating and hot water gas boilers shall comply with Article 6.5 of GB 25034-2010 Regulations.

4.4.5

The thermal efficiency of imported domestic heating and hot water gas boilers shall meet the requirements of Article 6.7 of GB 25034-2010.