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

GB 30720-2025

Replacing GB 30720-2014

**Minimum allowable values of energy efficiency and energy
efficiency grades for gas cooking appliances**

燃气灶具能效限定值及能效等级

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Foreword

This document was drafted in accordance with the rules provided in GB/T 1.1-2020 Directives for Standardization - Part

1. Rules for the Structure and Drafting of Standardizing Documents. This document serves as a replacement for GB 30720-2014 Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Domestic Gas Cooking Appliances and GB 30531-2014 Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Commercial Gas Cooking Appliances. In comparison with GB 30720-2014 and GB 30531-2014, apart from structural adjustments and editorial modifications, the main technical changes are as follows:

a) The scope of application of the Standard is modified (see Chapter 1; Chapter 1 of GB 30720-2014 and Chapter 1 of GB 30531-2014);

b) The definition and requirements of "evaluating values of energy conservation" are deleted (see

3.2 of GB 30720-2014 and

3.2 of GB 30531-2014);

c) The energy efficiency grade requirements for domestic gas cooking appliances and commercial gas cooking appliances are modified (see 4.1;

4.2 of GB 30720-2014 and

4.2 of GB 30531-2014);

d) The test methods are modified (see Chapter 5; Chapter 5 of GB 30720-2014 and Chapter 5 of GB 30531-2014);

e) The inspection rules are deleted (see Chapter 6 of GB 30720-2014 and Chapter 6 of GB 30531-2014). Please be noted that certain content of this document may involve patents. The institution issuing this document does not undertake the responsibility of identifying these patents. This document was proposed by and shall be under the jurisdiction of Standardization Administration of the People's Republic of China. The issuing of the previous versions.

---First issued in 2014 as GB 30720-2014 Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Domestic Gas Cooking Appliances;

---This is the first revision, which incorporates the content of GB 30531-2014 Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Commercial Gas Cooking Appliances. Minimum Allowable Values of Energy Efficiency and Energy Efficiency Grades for Gas Cooking Appliances

1 Scope

GB 30720-2025 is the Chinese national standard on minimum allowable values of energy efficiency and energy efficiency grades for gas cooking appliances, in the field of energy and heat transfer engineering. It carries no /T suffix, which in the Chinese system means compliance is mandatory: a product or a practice within its scope has to meet it to be lawfully made, sold or carried out in China. It was issued on 28 February 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 March 2026. Classification: ICS 27.010, CCS F01. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This document specifies the energy efficiency grades, technical requirements and test methods for gas cooking appliances. This document is applicable to domestic gas stoves and integrated stoves with a rated heat load of not greater than

5.23 kw using town gas (hereinafter collectively referred to as "domestic gas cooking appliances"), and is also applicable to cooking stoves with a rated heat load of not greater than 60 kw, large pot stoves with a rated heat load of not greater than 80 kw, water-tank type and steam-generating type steam boxes and steam generators with a rated heat load of not greater than 80 kw (hereinafter collectively referred to as "commercial gas cooking appliances"). This document does not apply to gas cooking appliances used in means of transportation. NOTE. the rated heat load of domestic gas stoves and integrated stoves refers to the heat load of a single combustor; the rated heat load of cooking stoves, large

pot stoves, steam boxes and steam generators refers to the heat load of a single combustion unit.

2 Normative References

The contents of the following documents constitute indispensable clauses of this document through the normative references in the text. In terms of references with a specified date, only versions with a specified date are applicable to this document. In terms of references without a specified date, the latest version (including all the modifications) is applicable to this document.

GB 16410 Domestic Gas Cooking Appliances

GB 35848-2024 Commercial Gas-burning Appliance

3 Terms and Definitions

The terms and definitions defined in GB 16410 and GB 35848, and the following are applicable to this document.

3.1 minimum allowable values of energy efficiency for gas cooking appliances Under the test conditions specified in this document, the minimum thermal efficiency that a gas cooking appliance is allowed to achieve.

4 Energy Efficiency Grades

4.1 Domestic Gas Cooking Appliances The energy efficiency grades of domestic gas cooking appliances are divided into 3 grades, among which, Grade 1 signifies the highest energy efficiency.

5 Technical Requirements

5.1 Domestic Gas Cooking Appliances The minimum allowable values of energy efficiency of domestic gas cooking appliances shall comply with Grade 3 in Table 1.

6.2 Commercial Gas Cooking Appliances

6.2.1 The test method for the thermal efficiency of steam generators and steam-generating type steam boxes shall be carried out in accordance with Appendix A.

6.2.2 The test conditions and test methods for water-tank type steam boxes, cooking stoves and large pot stoves shall be in accordance with GB 35848.

Appendix A

(normative) Test Method for the Thermal Efficiency of Steam Generators and

Steam-generating Type Steam Boxes A.1 General Requirements A.1.1 The test conditions shall satisfy the requirements of

6.14.1 in GB 35848-2024. A.1.2 The thermal efficiency test device shall satisfy the requirements of

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