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

GB 46765-2025

**Basic safety technical requirements of gas transmission and
distribution equipment**

燃气输配设备安全基本技术要求

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part

1.Structure and Drafting Rules of Standardization Documents". Drafting. Please note that

some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents. This document was proposed and is under the jurisdiction of the Ministry of Housing and Urban-Rural Development of the People's Republic of China. Basic technical requirements for the safety of gas transmission and distribution equipment

1 Scope

GB 46765-2025 is the Chinese national standard on basic safety technical requirements of gas transmission and distribution equipment, in the field of construction materials and building. 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 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 May 2026. Classification: ICS 91.140, CCS P47. 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 basic safety technical requirements for the market launch, engineering construction, and commissioning of gas transmission and distribution equipment. This document applies to the basic safety and quality control of gas transmission and distribution equipment.

Note. Gas transmission and distribution equipment in this document includes purification equipment, heat exchange equipment, pressure regulating equipment (flow/pressure control equipment), gasification equipment, gas mixing equipment, and metering equipment. Equipment, valves, pipes and components, odorization devices, safety protection devices, monitoring and control devices, etc., hereinafter referred to as "gas equipment".

2 Normative references

This document has no normative references.

3 Terms, Definitions and Abbreviations

3.1 Terms and Definitions This document does not contain any terms or definitions that need to be defined.

3.2 Abbreviations The following abbreviations apply to this document.

4 Market launch, engineering construction, and commissioning

4.1 Gas appliances shall be designed and manufactured in accordance with this document, installed correctly and used within the intended scope.

4.2 Gas equipment and its accessories and spare parts shall be designed and manufactured in accordance with relevant standards and specifications, and may only be put into use after inspection and certification proving that they conform to the declared product standards. To enter the market and for engineering construction.

4.3 Before gas equipment is put on the market or used in engineering construction, the user shall ensure that the operating conditions meet the equipment design parameters, such as the gas quality. Quantity, working pressure, working temperature, etc.

4.4 After gas equipment is put on the market or a project is constructed, the manufacturer shall retain technical documents and quality certification documents for a period not less than the time required for use. Use lifespan.

4.5 Before installation, the appearance and condition of gas equipment should be inspected, including pressure vessels, pressure pipelines, safety valves, and testing instruments. Components and parts shall be inspected, verified or calibrated in accordance with relevant regulations.

4.6 The installation of gas equipment shall be the responsibility of professional technicians, and the commissioning and operation personnel shall be professionally trained or be trained by the manufacturer's professionals. Technicians provided on-site guidance and debugging.

4.7 If a gas appliance is proven to have a defect that endangers personal health or property safety during normal use, it should not have the same defect. The products will continue to be launched on the market and distributed.