

ICS 13.220.10
CCS C84



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

GB 3445-2018

Replacing GB 3445-2005

Indoor fire hydrant

室内消火栓

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Foreword

Chapters 5, 7, and

9.1.1 of this standard are mandatory and the rest are recommended. This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB 3445-2005 "Indoor Fire Hydrant". Major technical changes in addition to editorial changes compared to GB 3445-2005 as follows:

- Increased the definition of the reducer tee type indoor fire hydrant (see 3.6);
- Modified the requirements of tensile strength, decompression and pressure regulation performance of the mechanical properties of the valve stem (see 5.2.3, 5.13.2, 5.2.3 of 2005 edition, 5.14.2);
- Increased the requirements for the rotating parts of the rotating indoor fire hydrant and the material of the hand wheel (see 5.2.6, 5.2.7). This standard is proposed and managed by the Ministry of Public Security of the People's Republic of China. This standard is drafted by: Tianjin Fire Research Institute of the Ministry of Public Security. Participated in the drafting of this standard. Tianguang Fire Protection Co., Ltd., Fujian Laoshan Fire Protection Co., Ltd. The main drafters of this standard. Wang Shuyan, Zhou Shinan, Zhang Limei, Li Yanan, Chen Qiyuan, Li Guozhen, Chen Xiuyu, Huang Qidou. The previous versions of the standards replaced by this standard are.
- GB 3445-1982, GB 3445-1993, GB 3445-2005. Indoor fire hydrant

1 Scope

GB 3445-2018 is the Chinese national standard on indoor fire hydrant, in the field of environment and health protection, safety. 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 17 September 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 April 2019. Classification: ICS 13.220.10, CCS C84. 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 standard specifies the terms and definitions, classification, model and basic parameters, technical requirements, test methods, inspection rules, etc. of indoor fire hydrants. Instructions, signs, packaging, transportation and storage. This standard applies to indoor fire hydrants.

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 228.1 tensile testing of metallic materials - Part 1

GB/T 1176 cast copper and copper alloy

GB/T 1804-2000 General tolerances and tolerances for linear and angular dimensions without tolerances

GB/T 4423 copper and copper alloy rods

GB/T 9439 gray iron castings

GB/T 9969 General guidelines for the use of industrial products

GB 12514 (all parts) fire interface JB/T 7273.3 hand wheel

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Rotary indoor fire hydrant rotatableindoorfirehydrant The plug can be rotated 360 degrees horizontally relative to the base connected to the inlet pipe.

3.2 Decompression type indoor fire hydrant pressure-reducingindoorfirehydrant The indoor fire hydrant that reduces the pressure at the outlet of the plug is realized by a throttling device disposed in the plug or the inlet and outlet of the plug body.

3.3 Rotary decompression type indoor fire hydrant rotatablepressure-reducingindoorfirehydrant An indoor fire hydrant with both rotating and decompressing functions.

3.4 Decompression regulator type indoor fire hydrant pressurereducingandstabilizingindoorfirehydrant An automatic throttle device is arranged in

the plug body or the inlet and outlet of the plug body, and depending on the pressure of the medium itself, the throttle area of the throttle device is changed, The indoor hydrant whose inlet pressure is reduced to a certain required pressure and the outlet pressure is automatically maintained.

3.5 Rotary decompression regulator type indoor fire hydrant

rotatable pressurereducingandstabilizingindoorfirehydrant An indoor fire hydrant with both rotating and decompressing voltage regulation functions.