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

GB 27898.3-2026

Replacing GB 27898.3-2011

**Fixed water supply equipment used for fire-protection - Part 3:
Pressure boosting and stabilizing type water supply equipment
used for fire-protection**

固定消防给水设备 第3部分：消防增压稳压给水设备

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1 Scope

GB 27898.3-2026 is the Chinese national standard on fixed water supply equipment used for fire-protection - part 3: pressure boosting and stabilizing type water supply equipment used for fire-protection, 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 28 January 2026 by the State Administration for Market Regulation; Standardization Administration of China, and takes effect on 1 February 2027.

Classification: ICS 13.220.10, CCS C 84. 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 performance requirements, component requirements, inspection rules, nameplates, and operating procedures for fire-fighting booster water supply equipment and fire-fighting pressure stabilizing water supply equipment. The manual provides product classification and model numbering methods, and describes the corresponding testing methods. This document applies to the design, manufacture, and repair of fire-fighting booster water supply equipment and fire-fighting pressure stabilizing

water supply equipment that are fixedly installed and equipped with low-voltage motors. test.

2 Normative references

The contents of the following documents, through normative references within the text, constitute essential provisions of this document. Dated citations are not included. For references to documents, only the version corresponding to that date applies to this document; for undated references, the latest version (including all amendments) applies. This document.

GB/T 150 (All Parts) Pressure Vessels

GB/T 528 Determination of tensile stress-strain properties of vulcanized rubber or thermoplastic rubber

GB/T 1226 General Pressure Gauges

GB/T 1227 Precision Pressure Gauges

GB/T 3047.1 Basic Dimensions of Panels, Shelves and Cabinets in Height Increments of 20mm

GB/T 4208 Degrees of protection provided by enclosures (IP code)

GB 5135.6 Automatic sprinkler systems - Part

3 Terms and Definitions

The terms and definitions defined in GB 27898.1 and the following terms and definitions apply to this document.

3.1 It typically consists of components such as a pressure tank and accessories, a pressure-stabilizing pump set, pipeline valves and accessories, monitoring and control instruments, and control devices, and is used for... Fixed fire water supply equipment that maintains stable daily pressure in the fire protection system network.

6 General valves

GB 5135.7 Automatic sprinkler systems - Part

7 Water flow indicators

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9.2 Operating Instructions

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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. This document is Part 3 of GB 27898 "Fixed Fire Water Supply Equipment". GB 27898 has the following parts published.

1. Firefighting Pneumatic Water Supply Equipment;
2. Automatic Constant Pressure Water Supply Equipment for Firefighting;
3. Fire-fighting pressurized and stabilized water supply equipment;
4. Firefighting Gas Pressurized Water Supply Equipment;
5. Firefighting Dual-Power Water Supply Equipment This document replaces GB 27898.3-2011 "Fixed Fire Water Supply Equipment Part

3. Fire Booster and Stabilizing Water Supply Equipment", and is consistent with... Compared with GB 27898.3-2011, apart from structural adjustments and editorial changes, the main technical changes are as follows:

- a) Added the terms "Internet of Things (IoT) function", "control device", "exhaust device", "maximum working pressure", "buffer water volume", and "equipment rated power". Rate (see Chapter 3);
- b) The terms "combined fire-fighting pressurization and stabilization water supply equipment," "fire-fighting negative pressure (superimposed pressure) stabilization water supply equipment," and "flow stabilization compensator" have been deleted. "Vacuum suppressor", "compensation water volume", "lower limit of water intake pressure" (see Chapter 3 of the 2011 edition);
- c) The definitions of the terms "fire-fighting pressure-stabilizing water supply equipment" and "fire-fighting booster water supply equipment" have been changed (see Chapter 3, Chapter 3 of the 2011 edition);

10 Pressure switches

GB 5135.11 Automatic sprinkler systems - Part