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

GB 27898.5-2026

Replacing GB 27898.5-2011

**Fixed water supply equipment used for fire-protection - Part 5:
Dual power fixed water supply equipment used for
fire-protection**

固定消防给水设备 第5部分：消防双动力给水设备

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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. This document is Part 5 of GB 27898 "Fixed Fire Water Supply Equipment". GB 27898 has already published the following parts.

- 1. Fire-fighting 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 27898.5-2011 "Fixed Fire Water Supply Equipment Part 5. Dual-Power Fire Water Supply Equipment", and is consistent with... Compared with GB 27898.5-2011, 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," "12-hour power,"

"maximum operating pressure," and "equipment rated power." (See Chapter 3);

b) The terms "electric motor fire pump set", "engine fire pump set", and "constant head check valve" have been deleted (see Chapter 3 of the.2011 edition);

c) The definition of the term "firefighting dual-power water supply equipment" has been changed (see 3.1,.2011 edition of 3.1);

d) Product classification and model designation have been changed (see Chapter 4, Chapter 4 of the.2011 edition);

e) The basic parameter requirements and equipment identification requirements have been changed (see 5.1, 5.2, and 5.3 in the.2011 version);

1 Scope

GB 27898.5-2026 is the Chinese national standard on fixed water supply equipment used for fire-protection - part 5: dual power fixed 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 instructions for fire-fighting dual-power water supply equipment, and provides production guidelines. The product classification and model numbering methods are described, along with the corresponding testing methods. This document applies to the design, manufacture, and inspection of fixed-installation fire-fighting dual-power water supply equipment. This document does not apply to fire-fighting dual-power water supply equipment configured with high-voltage motor fire pump sets.

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 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 Typically, it consists of a combination of diesel engine fire pump sets and electric motor fire pump sets, or a combination of diesel engine fire pump sets and diesel engine fire pump sets, along with pipeline valves. Composed of doors and accessories, measuring and control instruments, control devices, and other components, it is a fire water supply system used to provide fire-fighting water to the fire protection system network during fire-fighting operations. equipment.

6 General valves

GB 5135.7 Automatic sprinkler systems - Part

7 Water flow indicators

GB 5135.10 Automatic sprinkler systems - Part

10 Pressure switches

GB 5135.11 Automatic sprinkler systems - Part

11 Grooved pipe fittings GB 6245 Fire pumps

GB/T 9969 General Rules for Instructions for Use of Industrial Products

GB 20800.1-2006 General Technical Specifications for Explosion Protection of Reciprocating Internal Combustion Engines for Explosive Atmospheres - Part

1.Flammable Gases and Vapors Category II internal combustion engines for use in the country

GB/T 25000.51-2016 Systems and Software Engineering - System and Software Quality