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Replacing GB 6245-2006

Fire pumps

消防泵

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Table of Contents

1 Scope	1
2 Normative references	1
3 Terms and Definitions	1
4 Classification and Model	4
4.1 Classification	4
4.2 Model	5
5 Vehicle Fire Pump	7
5.1 Structural requirements	7
5.2 Material Requirements	7
5.3 Appearance Quality	7
5.4 Main technical parameters	7
5.5 Mechanical properties	8
5.6 Maximum vacuum degree and vacuum sealing performance	8
5.7 Water diversion device performance	8
5.8 Continuous operation performance	9
5.9 Overload performance	9
6 Stationary fire pump set	9
6.1 Structural requirements	9
6.2 Material requirements	10
6.3 Appearance quality	10
6.4 Main technical parameters	10
6.5 Mechanical properties	10
6.6 Coupling	11
6.7 Continuous operation performance	11
6.8 Other requirements for electric motor fire pump units	11
6.9 Other requirements for diesel engine fire pump sets	11
7 Hand-lifted fire pump set	14
7.1 Structural requirements	14
7.2 Material requirements	14
7.3 Appearance Quality	15
7.4 Main technical parameters	15
7.5 Mechanical properties	15

7.6 Maximum vacuum degree and vacuum sealing performance	15
7.7 Water diversion device performance	15
7.8 Continuous operation performance	15
7.9 Starting performance	15
7.10 Tilt performance	15
8 Foam liquid fire pump group	15
8.1 Structural requirements	15
8.2 Material requirements	16
8.3 Appearance Quality	16
8.4 Main technical parameters	16
8.5 Mechanical properties	16
8.6 Coupling	16
8.7 Continuous operation performance	16
8.8 Driver Requirements	16
8.9 Other requirements for turbine-fed foam liquid fire pump sets	16
9 Marine Fire Pump	17
9.1 Basic Performance	17
9.2 Vibration, tilt and sway performance	17
10 Trailer fire pump set and booster fire pump set	17
10.1 Performance requirements for trailer-mounted fire pump sets with water priming devices	17
10.2 Performance requirements for trailer fire pump sets and booster fire pump sets without water diversion devices	17
11 Test Methods	17
11.1 Test methods for vehicle fire pumps	17
11.2 Test methods for fixed fire pump units	20
11.3 Test method for hand-lifted motorized fire pump set	24
11.4 Test method for foam liquid fire pump set	25
11.5 Test methods for marine fire pumps	27
11.6 Test methods for trailer-mounted fire pump units	27
12 Inspection Rules	27
12.1 Inspection Category	27
12.2 Type inspection	27
12.3 Factory Inspection	27
36 Appendix C (Normative) Diesel Engine Fire Pump Group Control Cabinet	40

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part

1. Structure and drafting rules for standardization documents" Drafting. This document replaces GB 6245-2006 "Fire Pumps". Compared with GB 6245-2006, in addition to structural adjustments and editorial changes, the main technical changes are as follows:

- a) Part of the "Terms and Definitions" has been modified (see Chapter 3, Chapter 3 of the 2006 edition);
- b) The model designation rules have been changed (see 4.2, 4.2 of the 2006 edition);
- c) Increased filter performance for large-flow vehicle fire pumps (see 5.1.5);
- d) The water priming time for mobile fire pumps has been changed (see 5.7.1, 5.7.2 of the 2006 edition);
- e) Deleted the relevant provisions on deep well and submersible fire pumps (see 6.4.3 of the 2006 edition);
- f) Added requirements for impeller balance performance (see 5.1.10, 6.1.8, 7.1.10);
- g) Added the requirements for bearing spacing of deep well fire pump units (see 6.1.9);
- h) The main technical parameter requirements for stationary fire pump units have been changed (see 6.4, 6.4 of the 2006 edition);

1 Scope

GB 6245-2025 is the Chinese national standard on fire pumps, 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 1 August 2025 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 August 2026. Classification: ICS 13.220.20, 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 document defines the terms and definitions of fire pumps, gives the classification and model, stipulates the performance requirements, inspection rules and marking requirements, and describes the The corresponding test methods are described. This document applies to the design, manufacture and maintenance of fire pumps and fire pump units that deliver water, foam mixture or foam liquid as the main fire extinguishing agent. acceptance.

2 Normative references

The contents of the following documents constitute the essential clauses of this document through normative references in this document. For referenced documents without a date, only the version corresponding to that date applies to this document; for referenced documents without a date, the latest version (including all amendments) applies to This document.

GB/T 3181-2008 Paint film color standard

GB/T 3216-2016 Acceptance test for hydraulic performance of rotary dynamic pumps Level 1, Level 2 and Level 3

GB/T 4025 Basic and safety rules for marking and identification of human-machine interfaces - Coding rules for indicators and operating devices

GB/T 4026 Basic and safety rules for marking of human-machine interfaces - Marking of equipment terminals, conductor ends and conductors

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

GB/T 7251.1 Low-voltage switchgear and controlgear assemblies Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 fire pump firepump Installed on fire trucks, fixed fire extinguishing systems or other fire fighting facilities, used to transport liquid fire extinguishing agents such as water, foam mixture or foam liquid