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

GB 5135.21-2025

Replacing GB 5135.21-2011

**Automatic sprinkler system - Part 21: Inspector's test
connection**

自动喷水灭火系统 第21部分：末端试水装置

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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 21 of GB 5135 "Automatic Sprinkler Systems". GB 5135 has already published the following parts.

- 1. Sprinkler Heads;
- 2. Wet alarm valves, delay devices, and hydraulic alarm bells;
- 3. Water Mist Nozzles;
- 4. Dry Alarm Valves;
- 5. Deluge Alarm Valve;
- 6. General Valves;
- 7. Water Flow Indicators;

9. Early Suppression Fast Response (ESFR) Nozzles;

10. Pressure Switches;

11. Grooved Pipe Fittings;

13. Water Curtain Nozzles;

14. Pre-action device;

1 Scope

GB 5135.21-2025 is the Chinese national standard on automatic sprinkler system - part 21: inspector's test connection, 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 31 October 2025 by the State Administration for Market Regulation; Standardization Administration of China, and takes effect on 1 November 2026. 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 document defines the terminology and definitions for end-of-line test devices in automatic sprinkler systems, and specifies the classification and models of end-of-line test devices. It outlines the requirements for preparation, inspection rules, marking, instructions for use, packaging, transportation, and storage, and describes the corresponding test methods. This document applies to the design, production, and inspection of end-point test devices in automatic sprinkler fire extinguishing systems.

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 191 Pictorial Symbols for Packaging and Storage

GB 5135.11 Automatic sprinkler systems - Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 end-of-line test device inspector's test connection Composed of a test valve, pressure

display equipment (device), and test nozzles, it is used to monitor the terminal pressure of an automatic sprinkler fire extinguishing system and to verify... A combination of system startup, alarm, and linkage functions.

3.2 Smart Inspector's Test Connection Equipped with a digital communication port, it can digitally transmit signals such as pressure parameters and valve status, and can realize remote electric opening and closing, and automatic fault diagnosis. End-of-line testing device with inspection and other functions.

3.3 test valve The valves of the end-point test device can be opened and closed manually or electrically.

3.4 test nozzle Located at the rear of the device, it has the same water flow coefficient as the smallest sprinkler head of the automatic sprinkler system on the same floor or in the fire compartment. Speak up.

11 Grooved pipe fittings

GB/T 7306 (all parts) 55° Sealing Pipe Thread

GB/T 9124.1 Steel pipe flanges - Part 1: PN series

GB/T 17241.1 Cast iron flanges - Part 1: PN series XF61-2010 General Technical Specifications for Drive and Control Devices of Fixed Fire Extinguishing Systems