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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB 5135.7-2018

Replacing GB 5135.7-2003

Automatic sprinkler systems - Part 7: Water flow indicators

自动喷水灭火系统 第7部分：水流指示器

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Foreword

Chapters 6 and 8 of this section are mandatory and the rest are recommended. GB 5135 "Automatic Sprinkler System" is divided into the following sections.

--- Part 1. Sprinklers;

--- Part 2. Wet alarm valve, retarder, hydraulic alarm bell;

---Part 3. Water spray nozzles;

---Part 4. Dry alarm valve;

---Part 5. Rain alarm valve;

--- Part 6. General purpose valves;

--- Part 7. Water flow indicator;

--- Part 8. Accelerator;

---Part 9. Early suppression fast response (ESFR) nozzles;

---Part 10. Pressure switch;

--- Part 11. Grooved pipe joints;

--- Part 12. Expanding the coverage area sprinklers;

---Part 13. Water curtain nozzles;

1 Scope

GB 5135.7-2018 is the Chinese national standard on automatic sprinkler systems - part 7: water flow indicators, 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 7 June 2018 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 January 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 part of GB 5135 specifies the classification, model, requirements, test methods, inspection rules, and water flow indicator of the sprinkler system. Logo, instruction manual and packaging, transportation and storage. This section applies to the vane type water flow indicator in the sprinkler system. Other types of water flow indicators can be used as reference.

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 1842 plastic polyethylene environmental stress cracking test method

GB 5135.11 Automatic sprinkler systems - Part 11. Grooved fittings

GB/T 7306 (all parts) 55° sealed pipe thread

GB/T 9112 Steel Pipe Flange Types and Parameters

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

GB/T 17241.6 integral cast iron flange

GB/T 25208 Fixed fire extinguishing system product environmental test method

3 Terms and definitions

The following terms and definitions apply to this document.

3.1 An alarm device used in an automatic sprinkler system to convert a water flow signal into an electrical signal.

3.2 The time from the start of the transmission component action caused by the flow of water to the time when the alarm signal is issued. 3.3 3.4

4 Classification

4.1 The flow indicator can be divided into.

a) time delay type;

b) No delay type.

4.2 The water flow indicator can be divided into.

f) Other styles. Table

1 Classification code Classification method structure type Flanged F Grooved G Clip type D Threaded L Saddle type M Other formula Q Delay function delay type Y no delay type omitted

5 Models

The model of the flow indicator is compiled as follows: ZSJZ Automatic sprinkler system water flow indicator Nominal diameter in millimeters (mm) Delay function code, see Table 1 Structural form code, see Table 1 Rated working pressure in MPa (MPa) Enterprise custom code Example 1. ZSJZ100-YF-

1.2 means the rated working pressure is 1.2MPa, with a time delay function, flanged structure, water flow indicator with a nominal diameter of 100mm. Example 2. ZSJZ100-M-1.2-A means that the company's custom code is A, the rated working pressure is 1.2MPa, no delay function, saddle structure, nominal diameter is 100mm Water flow indicator.

6.1 Appearance sign

6.1.1 The surface of the water flow indicator shall be smooth and smooth, free of processing defects and scratches, and the coating shall be uniform.

6.1.2 The water flow indicator shall be provided with a durability sign on the outer surface. The contents of the mark shall be clear and in accordance with the provisions of 9.1.

6.2 Specifications The water flow indicator nominal diameter series is 25mm, 32mm,