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

**GB 5135.6-2018**

Replacing GB 5135.6-2003

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**Automatic sprinkler systems - Part 6: Conventional valves**

自动喷水灭火系统 第6部分：通用阀门

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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 5135.6-2018 is the Chinese national standard on automatic sprinkler systems - part 6: conventional valves, 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 6 February 2018 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 September 2018. 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 preparation, requirements, test methods and inspection rules for general purpose valves for automatic sprinkler systems. Then, signs, instructions for use and packaging, transportation, storage. This section applies to general purpose valves used in sprinkler systems.

## 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. Definition and selection of

GB/T 1047 pipe component DN (nominal size) Definition and selection of

GB/T 1048 pipe component PN (nominal pressure)

GB/T 3737 card sleeve straight pipe joint

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 12221 metal valve structure length

GB/T 17241.6 integral cast iron flange

GB/T 21873-2008 Specification for interface seals for rubber seals, drains and sewers

GB/T 25208-2010 Environmental testing method for fixed fire extinguishing system products CJ/T 216 soft sealing gate valve for water supply and drainage

## 3 Terms and definitions

The following terms and definitions apply to this document.

3.1 Rated working pressure ratedworkingpressure The maximum working pressure allowed for a universal valve in either the servo state or the operating state.

3.2 Universal valve conventionalvalve Fire gate valve, fire butterfly valve, fire ball valve, fire stop valve, fire solenoid valve, fire signal used in automatic sprinkler system The general name for valves, fire check valves and fire-buried gate valves.

3.3 Manual valve manualvalve Manually operated handwheel, handle or sprocket driven valves.

3.4 Power driven valve power-drivenvalve Valves driven by various power sources.

3.5 Fire buried gate valve buriedgatevalveforfireprotection A gate valve that is installed on a fire-buried buried pipeline and that is opened and closed on the ground.