

ICS 13.220.30



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

**中华人民共和国国家标准**

**GB 5135.7-2003**

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**Automatic sprinkler system—**

**Part 7: Water flow indicator**

**自动喷水灭火系统 第 7 部分：水流指示器**

**Issued on October 08, 2003**

**Implemented on May 01, 2004**

**Issued by General Administration of Quality Supervision, Inspection  
and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of  
China**

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## Foreword

GB 5135 *Automatic sprinkler system* is divided into 15 parts:

- Part 1: Sprinkler
- Part 2: Wet system alarm valves, retard chamber, water motor alarm
- Part 3: Water mist nozzles
- Part 4: Dry pipe valves
- Part 5: Deluge alarm valves
- Part 6: Convention valve
- Part 7: Water flow indicator
- Part 8: Accelerator
- Part 9: Early Suppression Fast Response (ESFR) Automatic Sprinklers
- Part 10: Pressure switch
- Part 11: Grooved couplings and fittings
- Part 12: Extended coverage sprinkler
- Part 13: Performance requirements and test methods of drencher head
- Part 14: Preaction devices
- Part 15: Domestic sprinklers

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This part is the seventh part of GB 5135.

This part is developed on the basis of GA 32-1992 *Automatic sprinkler system—performance requirements and test method of water flow indicator*.

The followings are the major changes in this part compared with GB 32-1992

—The technical content of the standard has not been changed and the standard structure, technical elements and presentation rules have been changed according to GB/T 1.1-2002.

—Requirements for production packaging, transport and storage have been added.

GA 32-1992 is repealed simultaneously since the date of implementation of this part.

This part is proposed by the Ministry of Public Security of the People's Republic of China.。

This part is under the jurisdiction of the second technical committee of The national fire

standardization technical committee (CSBTS/TC113/SC2).

Drafting unit of this part: Tianjin Fire Research Institute of Ministry of Public Security

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# **Automatic sprinkler system—Part 7: Water flow indicator**

## **1 Scope**

This part of GB 5135 specified the requirements, test method, inspection rules, label, packaging, transport, storage and others of the water flow indicator of automatic sprinkler system.

This part applies to vane-type water flow indicator of automatic sprinkler system. Other types of water flow indicator can also refer to it.

## **2 Normative references**

The articles contained in the following documents have become this part of GB 5135 when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this part. For the undated documents so quoted, the latest editions shall be applicable to this part.

GB/T 1842 Plastics - Test method for environmental stress-cracking of polyethylene

GB/T 2423.3 Environmental testing for electric and electronic products - Part 2: Testing method test Cab: Damp heat Steady state

GB/T 5720 Test methods for rubber O-rings

## **3 Terms and definitions**

For the purpose of this part of GB 5135, the following terms and definitions apply.

### **3.1**

#### **Water flow indicator**

It refers to an alarm device that used to convert the water-flow signal into an electrical signal in the automatic sprinkler system.

### **3.2**

#### **Retard time**

It refers to the time when transmission parts begin to alarm caused by the flow of water.

### **3.3**

#### **Sensitivity**

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