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

中华人民共和国国家标准

GB 8181-2005

Replace GB 8181-1987

Fire Nozzles

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**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

Article 5.1, Article 5.2, Article 5.3, Article 5.8, Article 5.9, Article 5.10, Article 5.11 and Article 5.13 of this Standard are mandatory provisions, the rest are voluntary provisions.

The Standard referred to foreign nozzle standards and made amendments.

This Standard replaces GB 8181-1987 *Performance Requirements and Tests Methods for Fire Nozzles*

This standard, in comparison with GB 8181-1987, has the main changes as follows:

- Gives pressure ranges of low-pressure nozzles, medium-pressure nozzles and high-pressure nozzles, and adds basic parameters of medium-pressure nozzles and high-pressure nozzles;
- Classifies the low-pressure combination nozzle with a straight stream and a fog stream as well as adjustable spray angle, and specifies corresponding performance requirements;
- Increases the rated injection pressure of low pressure fire nozzles except for straight stream nozzles;
- Redefines the compilation method of fire nozzles model;
- Adds operational requirements for fire nozzles;
- Improves salt spray corrosion time and drop height range;
- Modifies the measurement methods of reach;

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

This standard is centralized by the Fourth Technical Committee of the National Technical Committee on Fire Protection of Standardization Administration of China.

This Standard is drafted by: Shanghai Fire Research Institute of the Ministry of Public Security.

This Standard is mainly drafted by: Shi Xingtang, Jin Hua, Wu Zan.

Shanghai Fire Research Institute of the Ministry of Public Security is commissioned for explanation of this Standard.

The issuances of previous versions of the standards replaced by this Standard are as follows:

- GB 8181-1987.

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