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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 16670-2006**

**Replace GB 16670-1996**

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**Cabinet gas fire extinguishing equipment**

**柜式气体灭火装置**

**Issued on March 01, 2006**

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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

**Chapter 4, Chapter 5 and Chapter 7 of the standard are compulsory and the rest are recommended.**

This standard substitutes GB 16670-1996 *Cabinet Gas Fire Extinguishing Equipment Performance Requirement and Test Method*. This standard, in comparison with GB 16670-1996 has the main changes as follows:

- Forward, Chapter 8 “Mark, Packaging, Transportation and Storage”, Chapter 9 “Written Requirements of the Operation Instruction” and the Annex are also added;
- The quotations of “GB 795-1989”, “GB 796-1989”, “GB 4717-1993” and “GB 14106-1993 in Chapter 2 are deleted, with quotations of “GB/T 8979”, “GB 9969.1”, “GA 61” and “GA 400” being added;
- Terms of “controller”, “(extinguishing agent storage) container parts”, “storage pressure”, “Maximum working pressure” and “Minimum working pressure” in Chapter 3 are deleted;
- Chapter 4 of the original standard is deleted;
- Model preparation is added;
- Parameter requirements of “cabinet heptafluoropropane, nitrogen, argon and fluorofom extinguishing equipment” are added in Table 1, with parameter requirements of “cabinet alkyl halide 1211 and 1301 extinguishing equipment” being deleted;
- Requirements of the equipment’s fire extinguishing performance are added;
- Requirements of extinguishing agent filled by bottle group and pressurized gas as well as the bottle group marking requirements are added, with strength requirements of the bottle group being deleted;
- Requirements of container, signal feedback parts, leakage detecting parts and pressure reduction parts as well as the corresponding test methods are added;
- Requirements of container valve and the corresponding test methods are replenished;
- Contents of the testing rule are supplemented.

In this standard, annex A - annex P are normative Annexes.

This standard is proposed by the Ministry of Public Security of the People’s Republic of China.

This standard is under the jurisdiction of the Second Branch Technical Committee of National

Fire Standardization Technical Committee (SAC/TC113/SC2).

This standard is drafted out by Tianjin Fire Research Institute, Ministry of Public Security, with the participation of Sichuan Weilong Fire Fighting Equipment Co., Ltd., and Nanjing Fire Protection Technology Co., Ltd.

Main drafters of this Standard: Liu Lianxi, Gao Yunsheng, Dong Haibin, Li Ximin, Wang Yingbiao, Zhou Ping, Zhang Junna.

This standard was firstly issued in 1996 and this is the first revision.

# Cabinet gas fire extinguishing equipment

## 1 Scope

This standard has stipulated the performance requirements of cabinet gas fire extinguishing equipment, the test method, testing rule, mark, packaging & transportation, storage and the written requirements of the operation instruction.

This standard is applicable to cabinet high pressure carbon dioxide, heptafluoropropane, nitrogen, argon and fluoroform extinguishing equipment; fire extinguishing equipment filled with other gaseous extinguishing agent can also be referred to.

This standard is not applicable to cabinet low temperature carbon dioxide extinguishing equipment.

## 2 Normative references

The articles contained in the following documents have become this Standard 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 Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

- GB 5099      Seamless steel gas cylinders
- GB 5100      Welded steel gas cylinders
- GB/T 8031    Industrial electric detonator
- GB/T 8979    Pure nitrogen and high purity nitrogen and ultra pure nitrogen
- GB 9969.1    General principles for preparation of instructions for use of industrial products
- GB 12463     General specifications for transport packages of dangerous goods
- GA 61        General technical specifications of actuating and control devices of fixed extinguishing systems
- GA 400-2002 Performance requirements and method of test for components of gas fire extinguishing systems

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