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**AUTOMOTIVE INDUSTRY STANDARD OF THE  
PEOPLE'S REPUBLIC OF CHINA**

**QC/T 998-2023**

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**Cabin air filter for automobiles  
(English Translation)**

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## Table of Contents

|                                              |    |
|----------------------------------------------|----|
| Foreword...                                  | 3  |
| Introduction...                              | 4  |
| 1 Scope...                                   | 5  |
| 2 Normative references...                    | 6  |
| 3 Terms and definitions...                   | 7  |
| 4 Technical requirements...                  | 11 |
| 5 Test methods...                            | 16 |
| 6 Test report...                             | 33 |
| 7 Marks, packaging, transport and storage... | 34 |
| 8 Others...                                  | 37 |
| Annex A...                                   | 39 |
| Annex B...                                   | 55 |

### Foreword

SB/T 10794 consists of the following three parts.

- Part 1.Vocabulary;
- Part 2.Classification, requirements and test condition;
- Part 3.Beverage refrigerated display cabinets.

This Part is the second part of SB/T 10794.This Part shall be used together with GB/T 21001.2-2007.

This Standard replaces SB 142~144-84 Freezer Types and Basic Parameters, Freezer Technical Conditions and Freezer Test Method; and it refers to technical principles of GB/T 21001 Refrigerated display cabinets (ISO 23953) for re-arrangement and formulation.

Annex A and Annex B of this Part are normative.

This Part was proposed by China Ministry of Commerce.

This Part shall be under jurisdiction of Freezer Sub-technical Committee of National Technical Committee on Refrigeration of Standardization

Administration of China.

Drafting organizations of this Part. Domestic Trade Engineering Design Institute, Dalian Sanyo Cold Chain Co., Ltd., Hangzhou Kelly Stainless Steel Kitchen Equipment Co., Ltd., Huangshi Dongbei Refrigeration Co., Ltd., Jiangsu Snow Electrical Company, Yindu Catering Equipment Co., Ltd., Qingdao Haier Special Freezer Co., Ltd., Hisense Rongsheng (Guangdong) Freezer Co., Ltd., Guangdong Star Refrigeration Equipment Co., Ltd., Shandong Xiaoya Retail Equipment Co., Ltd., Hoshizaki Electric (Suzhou) Co., Ltd., Shanghai General Fushi Cooler Co., Ltd., Zhejiang Dun An Cold Chain System Co., Ltd., Shanghai Fralu Commercial Equipment Co., Ltd., Qingdao Haili Commercial Appliance Co., Ltd., Luoyang Double Cold Chain Co., Ltd., Beijing Second Fukushima Electrical Co., Ltd., Jimei University, Tianjin University of Commerce, Shanghai Polytechnic University, National Commercial Refrigeration Equipment Quality Supervision and Inspection Center.

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This Standard was issued for the first-time in 1984.

## 1 Scope

This Part of SB/T 10794 specifies the structure, characteristics and performance requirements of commercial refrigerated cabinets for sales and storage of food (hereinafter referred to as refrigerated cabinets), as well as test conditions, test methods, classification methods, grading methods of commercial refrigerated cabinets and product marks, product characteristics information provided by manufacturer.

The application examples of refrigerated cabinets to which this Part is

applicable are.

- mainly applicable to non-domestic use refrigerated cabinets and kitchen refrigerator;
- mainly applicable to refrigerated cabinets used in stores;
- cooling bench with refrigerator or freezer storage compartment;
- commercial refrigerated cabinets mainly used in stores, hotels and restaurants, beverage refrigerated display cabinets;
- refrigerated cabinets of other special purposes.

This Part is not applicable to.

- refrigerated display cabinets for retail use (GB/T 21001);
- household refrigerators (GB/T 8059);
- cooling vending machines;
- rapid cooling machine (cabinet);
- fast freezer (cabinet);
- non-food freezer (e.g.. constant temperature chamber, ultra-low temperature cabinets, medical freezer, blood freezer).

## 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

GB/T 191 Packaging - Pictorial Marking for Handling of Goods

GB/T 2423.3 Basic environmental testing procedures for electric and electronic products - Test Ca. Damp heat, steady state

GB/T 2423.17 Environmental testing for electric and electronic products - Part 2. Test method - Test Ka. Salt mist

GB 3096 Environmental Quality Standard for Noise

GB/T 3785.1 Electroacoustics - Sound level meters - Part 1. Specifications

GB/T 3785.2 Electroacoustics - Sound level meters - Part 2. Pattern evaluation tests

GB 4706.1-2005 / IEC 60335-1:2004 Household and Similar Electrical Appliances - Safety - Part 1. General Requirements

GB 4706.102-2010 / IEC 60335-2-89 Household and similar electrical appliances - Safety - Particular requirements for commercial refrigerating appliances with an incorporated or remote refrigerant condensing unit or compressor

### **3 Terms and definitions**

For the purposes of this document, the terms and definitions given in GB/T 10794.1, GB/T 21001.1, GB/T 21001.2 and the following symbols and abbreviations apply.

#### **3.1 rated**

The value nominated by manufacturer, e.g., total display area TDA, volume, cabinet temperature, energy consumption.

#### **3.3.1 fresh-food storage compartment**

Compartment for storage of food which does not require freezing; this compartment can be also divided into some small compartments.

#### **3.3.5 variable temperature compartment**

Under the premise that appliance has fresh-food storage compartment and frozen-food storage compartment, AN INDEPENDENT COMPARTMENT that is out of the compartments defined in 3.3.1 ~ 3.3.4; temperature can be independently controlled by switching between the temperature range of present fresh-food storage compartment, cellar compartment and frozen-food storage compartment; switching range shall be two or more temperature ranges.