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

GB/T 22108.1-2008

**Pneumatic fluid power -- Compressed air filters -- Part 1: Main
characteristics to be included in suppliers literature and
product-marking requirements**

气动压缩空气过滤器 第1部分: 商务文件中包含的主要特性和产品标识要求
(English Translation)

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Table of Contents

- Foreword
- Introduction
- 1 Scope
- 2 Normative references
- 3 Terms and Definitions
- 4 Technical Requirements
 - 4.1 General Performance

Foreword

GB/T 22108 in the "pneumatic compressed air filters," the general title, includes the following components.

--- Part 1. Key Features and Product Identification business documents contained in the request;

--- Part 2. Test method for assessing the main characteristics of business contained in the file.

This part of GB/T 22108 Part 1.

This part identical with ISO 5782-1. primary business documents included 1997 "Pneumatic Compressed air filters - Part 1 to characteristics and product identification requirements "(in English).

This section is equivalent translation ISO 5782-1:1997. For ease of use, this section made the following editorial changes.

--- "2 Normative references" to be referenced in the technical information in line with international standards relevant national standards replace international standard.

Since the implementation of this standard, JB/T 7374-1994 "pneumatic air filter technology" obsolete.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee of hydraulic and pneumatic (SAC/TC3) centralized.

This section is drafted. Weihai Bo wins Pneumatic Co., Ltd. Shanghai Electrical and Mechanical College, SMC (China) Limited.

Introduction

In the pneumatic system, the power is through a closed loop control and compressed air to pass. When asked mechanically compressed air through when the filter, air filter element is to remove solid and liquid contaminants and design.

GB/T 22108.1-2008/ISO 5782-1:1997 Pneumatic compressed air filters Part 1. Business contained in the file Key features and product labeling requirements

1 Scope

This section GB/T 22108 specifies the main characteristics of pneumatic air filters contained in business documents and product identification Claim.

This section GB/T 22108 applies to the use of light alloys (aluminum, etc.), die-cast zinc alloy, brass, steel and plastic pneumatic air filter. Its rated pressure of 1.6MPa or less, and a maximum temperature of 80 °C, the use of mechanical means of compressed air to remove solids and liquids Contaminants.

2 Normative references

The following documents contain provisions cited by GB/T 22108 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2346-2003 fluid power systems and components - Nominal pressures (ISO 2944:2000, MOD) GB/T 17446-1998 fluid power systems and components term (idt ISO 5598. 1985) GB/T 22108.2-2008 pneumatic Compressed air filters - Part 2. Evaluation test the main features contained in business documents the method (ISO 5782-2:1997, IDT)

3 Terms and Definitions

GB/T 17446 and established the following terms apply to GB/T 22108 in this section.

Pressure tested to confirm the value of the design elements or pneumatic tubing run can be repeated when a sufficient number of times under the pressure to ensure proper work for life.

4 Technical Requirements

Documentation relates to pneumatic air filters include the following features.

4.1.1 Dimensions

Dimensions of the unit of FIG. 1 represented in millimeters (mm). About the size of the air inlet, see 4.1.2.

4.1.2 Air intake pattern

When using non-sealed pipe thread according to GB/T 7307 choice; press seal pipe thread GB T 7306.1 and GB/T 7306.2 selection /.

Flange mounted design, the interface can be connected to the interface plane and sink holes to accommodate the O-ring.

Some specific applications and connections can also use other types of air intake.

4.1.3 Rated pressure

Pneumatic compressed air filters to be classified according to the rated pressure of GB/T 2346-2003 selected on the basis of its rated pressure.

GB/T 22108.1-2008/ISO 5782-1:1997