

ICS 23.100.60

CCS J 20



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

GB/T 22108.2-2008

**Pneumatic fluid power -- Compressed air filters -- Part 2: Test
methods to determine the main characteristics to be included in
suppliers literature**

(English Translation)

Issued on: June 25, 2008

Implemented on: January 1, 2009

Issued by: Standardization Administration of China

Table of Contents

Foreword
Introduction
1 Scope
2 Normative references
3 Terms and Definitions
4 Units
5 Test conditions
5.1 Temperature
5.2 Pressure

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 2.

This part identical with ISO 5782-2:1997 "Pneumatic Compressed air filters - Part 2. Evaluation of business documents contained the main characteristics of the test method "(in English) this section is equivalent translation ISO 5782-2:1997, for ease of use, this section made the following editorial changes.

--- In the "Normative references" to the referenced section consistent with the technical content of relevant international standards replace national standards 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 22108.2-2008/ISO 5782-2:1997 Pneumatic compressed air filters Part 2. Evaluation of business contained in the file the main characteristics of the test method

1 Scope

This section GB/T 22108 specifies the main features according to GB/T 22108.1 pneumatic compressed air filters in the business contained in the file of test items for testing, test equipment, test procedures and test results reporting methods.

The purpose of this section is.

--- The test methods and test data representation standardized, so that the performance comparison pneumatic air filter is simple;

--- Helps in the pneumatic system for the rational use of pneumatic compression filter.

Specified in this test program was to air between different types of compressed air filters comparison, and not for each Filters are manufactured for production test.

2 Normative references

The following documents contain provisions which, through reference 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 321-2005 priority number and priority number system (ISO 3. 1973, IDT) GB/T 2346-2003 fluid power systems and components - Nominal pressures (ISO 2944:2000, MOD) GB/T 3141-1994 industrial liquid lubricant ISO viscosity classification (eqv ISO 3448:1992) GB/T 17446-1998 fluid power systems and components term (idt ISO 5598. 1985) GB/T 22108.1-2008 pneumatic Compressed air filters - Part 1. Main characteristics to be included in the product identification and Requirements (ISO 5782-1:1997, IDT) Determination of element flow characteristics ISO 6358 Pneumatic compressible fluid

3 Terms and Definitions

Terms and definitions in GB/T 17446 and GB/T 22108.1 given apply to GB/T 22108 in this section.

4 Units

In the pneumatic system, usually GB 3100 units, which are.

Gauge pressure expressed in kPa;

Temperature in degrees Celsius (°C);

Traffic expressed in cubic centimeters per second (dm³/s, ANR).

5.1 Temperature

For all tests, the working medium, devices and ambient temperature shall be maintained within the range of 25 °C ± 10 °C.

5.2 Pressure

Relative change in pressure is kept within a predetermined ± 2%. Recommended test pressure is GB/T 22108.1-2008 specified in 4.2.1 GB/T 22108.2-2008/ISO 5782-2:1997