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

GB/T 30475.4-2017

Filters for compressed air -- Test methods -- Part 4: Water

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Foreword

GB/T 30475 "compressed air filter test method" is divided into four parts.

--- Part 1. Suspended oil;

--- Part 2. Oil vapor;

--- Part 3. Particles;

--- Part 4. Water.

This section GB/T 30475 Part 4.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the redrafted law Amendment uses ISO 12500-4.2009 "compressed air filter Test Method Part 4. Water"

(English version).

This part of ISO 12500-4.2009 technical differences and the reasons are as follows.

--- On the normative references, this section made a technical difference with the adjustment to adapt to China's technical conditions, adjust the situation

Concentration reflected in the second chapter "Normative references", the specific adjustments are as follows.

* Replace ISO 1219-1 with GB/T 786.1 equivalent to international standards (see Chapter 4);

* Replaced ISO 8537-1.2001 with modifications GB/T 13277.1-2008 of international standards (see Chapter 3 and Table 1);

- * Replacing ISO 8573-2 (see Chapter 3) with International Standard GB/T 13277.2 modified;
- * Replace ISO 5598 with GB/T 17446 equivalent to international standards (see Chapter 3);
- * Increased reference to GB/T 10893.1 (see Figure 2).

For ease of use, this section also made the following editorial changes.

- Pressure unit "MPa" instead of "bar", and numerical conversion;
- Flow unit with "m³/min" instead of "L/s" and numerical conversion.

This part is proposed by China Machinery Industry Federation.

This part of the National Standardization Technical Committee compressor (SAC/TC145) centralized.

This part of the drafting unit. Hefei General Machinery Research Institute, Wuxi City, Hualing Filter Equipment Co., Ltd., Guangdong Tai'an Iraqi gas equipment

Limited, Shanghai Health Connaught Health Technology Co., Ltd., Hangzhou Broad purification equipment Co., Ltd., Hangzhou Risheng purification equipment Co., Ltd..

1 Scope

GB/T 30475 provisions of this part of the water removal device removal efficiency and working pressure drop test method.

This section applies to the removal of compressed air was wall flow of liquid water gas/water separator, in addition to water filters and other water removal device.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 786.1 Fluid power systems and components - Graphical symbols and circuit diagrams - Part 1. Diagrams for general use and data processing

Symbol (GB/T 786.1-2009, ISO 1219-1.2006, IDT)

GB/T 10893.1 compressed air dryer Part 1. Specification and test (GB/T 10893.1-2012, ISO 7183.2007,

MOD)

GB/T 13277.1-2008 Compressed air - Part 1. Pollutant purification level (ISO 8537-1.2001,

MOD)

Compressed gases - Part 2. Methods for the determination of suspended oil content (GB/T 13277.2-2015, ISO 8573-2.

2007, MOD)

GB/T 17446 fluid transmission systems and components vocabulary (GB/T 17446-2012, ISO 5598.2008, IDT)

3 Terms and definitions

GB/T 13277.1-2008, GB/T 13277.2 and GB/T 17446 defined terms and definitions apply to this document.

4 units and symbols

This part of the unit used mainly for the International System of Units (SI) commonly used units.

Graphic symbols in the chart should refer to GB/T 786.1.

5 standard state

The standard state of gas is as follows.

- a) air temperature .20 degrees C;
- b) Absolute air pressure (absolute pressure) .0.1MPa;
- c) Relative water vapor pressure .0.