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

GB/T 25754-2010

**Vacuum technology -- Right-angle valve -- Dimensions and
interfaces for pneumatic actuator**

真空技术 直角阀 尺寸和气动装置的接口

(English Translation)

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Foreword

This standard is identical with ISO 21358:2007 "right-angle valve size vacuum technology and pneumatic device interface" (in English).

This standard is equivalent to translate ISO 21358:2007 "right-angle valve size vacuum technology and pneumatic device interface" (in English).

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

- a) use the "standard" instead of "this International Standard";
- b) use the decimal symbol instead of as a decimal comma "., ., .";
- c) Remove the foreword and introduction of international standards, increase the introduction of this standard.

This standard Normative references GB/T 6070-2007 "Vacuum Technology flange dimensions," a reference to part with ISO 1609 "Vacuum Technology Exactly the same technique flange dimensions "content.

The standard proposed by China Machinery Industry Federation.

The vacuum technology standard by the National Standardization Technical Committee (SAC/TC18) centralized.

Introduction

Part in actual use, as a right-angle valve pipe fittings international standard often used in the vacuum system, and not at right angles to the previous valve and national standards.

This standard is based on GB/T 16709.1-2010/ISO 9803-1:2007 "Vacuum technology - Pipeline fittings assembly dimension s Part 1. No edge flange type "and GB/T

16709.2-2010/ISO 9803-2:2007" Vacuum technology - Pipeline fittings assembly dimensions Part 2. knife-edge flange type "to develop, these standards have to pipe fittings assembly dimensions are standardized, and therefore pneumatic device interface Standardized.

Because of this standard references ISO 3669, in order to avoid obscuring the confusion to allow standard users to understand the standard reference, I We provide some relevant information will be explained.

ISO 3669 consists of two parts.

--- ISO 3669. 1986 "vacuum technology ovenable flange dimensions";

--- ISO/T S3669-2.2007 "ovenable vacuum technology flanges - Part 2. edge flange dimensions." this standard references ISO 3669 refers to the ISO 3669. 1986 "vacuum technology ovenable flange dimensions." But also because ISO 21358:2007 before the ISO/T S3669-2.2007 publication.

ISO/T S3669-2.2007 and ISO 3669. 1986 in comparison, made an important technical changes, ISO 3669. 1986 provides for two lines Baking column flange.

--- Preferred series, its main dimensions to ensure compatibility with non-standardized baking flange (see ISO 1609);

--- Second best series, corresponding to the common flange.

ISO/T S3669-2.2007 only provides for a series, and no longer depends on the "preferred" family values. In fact, ISO 3669.

1986 "preferred" series of outdated or obsolete, and therefore enhance the "second choice" become a series and is the only set of predetermined size. another in addition, this "second choice" series of several sizes, but also for the general use of the flange was modified until the sealing edge profiles are detailed dimensions Included.

ISO/T S3669-2.2007 after three years will be reviewed by the ISO/TC112, in order to decide whether the next three years Approved, the revised international standards, or withdrawn. If approved, it will be revised again after the next three years, During this time, it must either be transferred to the international standards, or be withdrawn.

ISO/T S3669-2.2007 has been GB/Z25756-2010 "vacuum technology ovenable flange edge flange size" is equivalent use.

The above description of the ISO 3669 is that it is the GB/T 16709.1-2010/ISO 9803-1:2007, GB/T 16709.2-Vacuum technology right angle valve Interface dimensions and pneumatic devices

1 Scope

This standard specifies the right-angle valve size, so that it can with the GB/T 16709.1 and GB/T 16709.2 specified An elbow Package size to match.

Right Angle valves are covered by this standard with GB/T 16709.1, GB/T 16709.2 specified in ISO 3669 and the flange.

ISO 3669 listed two flanges Series.

--- Preferred Series;

--- Second best series.

This standard covers only the second best series valves with flange.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 4982 Vacuum technology - Quick release couplings - Dimensions - Part 1. Clamping Type (GB/T 4982-2003, ISO 2861-1.

1974, IDT)

GB/T 6070-2007 Technical vacuum flange size (GB/T 6070-2007, ISO 1609. 1986, MOD)
ISO 3669 Vacuum technology can bake flange size

3 Terms and Definitions

Terms and definitions GB/T 4982 and GB/T 6070 established in this standard applies.

4 Requirements

Vacuum line 4.1 should be the same size and mounting accessories Table 1, Table 2 regulations. see picture 1.

4.2

flange dimensions should be GB/T 4982, GB/T 6070 and ISO 3669 as prescribed. Or more preferably a flange Looper form.

5 Interface, pneumatic devices

Threaded pipe pneumatic device inlet/outlet and the device requirements are as follows.

- a) The minimum pneumatic pressure (for valve opening and closing). 0.4MPa;
- b) Maximum pneumatic pressure (for preventing destruction). 0.7MPa;
- c) Transmission systems, pneumatic inlet and outlet thread size and units (for example. "mm", "inch"), should be in use and/or body Electrical specifications d) the best mark for displaying the open/closed status contact (or capacity) (for example. "DC24V/2A, AC250V /20mA/60Hz ").