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

GB/T 26142.2-2010

**Pneumatic fluid power -- Five-port directional control valves,
size 18 mm and 26 mm -- Part 2: Mounting interface surfaces
with optional electrical connector**

气动五通方向控制阀 规格18 mm和26 mm 第2部分:带可选电气接头的安装面

(English Translation)

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Foreword

GB/T 26142 "five-way pneumatic directional control valve size 18mm and 26mm" is divided into two parts.

--- Part 1. Mounting interface surfaces without electrical connector;

--- Part 2. mounting surface with optional electrical connector.

This is Part 2 GB/T 26142 of.

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

This section uses the translation method identical with ISO 15407-2:2003 "Pneumatic Transmission Five - port directional control valves and specifications 18mm 26mm Part 2. mounting surface with optional electrical connector. " Consistency correspondence between this part of international documents and normative references of our files are as follows.

Indicates --- GB/T 131-2006 Geometrical product specifications (GPS) technology products in the surface structure of the file Method (ISO 1302:2002, IDT);

--- GB/T 1182-2008 Geometrical product specifications (GPS) geometric tolerances of form, orientation, location and runout tolerance standard

Note (ISO 1101:2004, IDT);

--- GB/T 3505-2009 Geometrical product specifications (GPS) Surface texture Profile method - Terms, definitions and surface texture Parameters (ISO 4287:1997, IDT);

Regular outline law assessment of surface texture (GPS) Surface texture --- GB/T 10610-2009 Geometrical product specifications and method (ISO 4288:1996, IDT);

--- GB/T 17446-1998 fluid power systems and components term (idt ISO 5598. 1985).

This part made the following editorial changes.

--- In the "References" in a manner consistent with the corresponding international

standards replace national standards with international standards;

--- Drawing standards according to China's national standards.

This part is proposed by China Machinery Industry Federation.

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

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Introduction

In the pneumatic system, power transmission and control in the pressure of the gas loop conducted.

Various devices for gas distribution and control can be installed directly in the pipeline or mounting surface, the mounting surface can be achieved faster Speed
detachable and interchangeable purposes.

Pneumatic control valve installed in the direction of the mounting surface of the five-way action for the control of the flow of compressed gas.

When the valve is electrically driven, it is necessary to electrical connector mounted on the valve. If you are using a standard electrical connector, user-friendly valve will be different Manufacturers connector to be interchangeable.

In order to improve the installation of pneumatic directional control valve interchangeability, provides the mounting surface of the main gas inlet port and control identification, valve work State, dimensions and tolerances on the mounting surface requirements.

Five-way pneumatic directional control valve Specifications 18mm and 26mm Part 2. with optional electrical connector mounting surface

1 Scope

This section GB/T 26142 specifies the size of 18mm and 26mm, with a maximum rated pressure of 1.6MPa optional electric Five-pneumatic gas fitting direction control valve mounting surface and the electrical connector of the following requirements.

--- Mounting surface dimensions and geometric tolerances;

--- The main gas inlet port and the control identification;

--- Control means controls the results identified;

--- Optional electrical connector dimensions, tolerances and specifications.

This section does not apply to the functional characteristics of the mounting surface.

Note: For standard 18mm and 26mm pneumatic five-way direction without electrical connector mounting surface of the control valve of the requirements specified in GB/T 26142.1 in.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

ISO 1101 Geometrical product specifications (GPS) geometric tolerances of form, orientation, location and runout tolerancing (Geometrical Product Specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out) ISO 1302 Geometrical product specifications (GPS) technology products in the surface structure of the file notation (Geometrical Product Specifications (GPS) - Indication of surface texture in technical product documentation) ISO 4287 Geometrical product specifications (GPS) Surface texture Profile method - Terms, definitions and surface texture parameters (Geometrical Product Specifications (GPS) - Surface texture. Profile method - Terms, definitions and surface texture parameters) ISO 4288 Geometrical product specifications (GPS) Surface texture Profile method - Terms, the assessment of surface structure of rules and methods (Geometrical Product Specifications (GPS) - Surface texture. Profile method - Rules and procedures for the assessment of surface texture) ISO 5598 Fluid power systems and components - Vocabulary (Fluid power systems and components - Vocabulary) ISO 11727 Pneumatic control valves and other components of the air intake, control identification mechanism (Pneumatic fluid power - Identification of ports and control mechanisms of control valves and other components)

3 Terms and Definitions

As defined in ISO 5598 and the following terms and definitions apply to this document.

Electrical connector Electrical connector consists of two parts (plug and base), when they are combined, can play a role in the electrical and mechanical connection.