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

GB/T 7937-2008

Replacing GB/T 7937-2002

**Fluid power systems and components -- Connectors and
associated components -- Nominal pressures
(English Translation)**

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Foreword

This revised standard adopts the International Standard ISO 4399:1995 "Fluid power systems and components Connectors and associated components Nominal pressure Power "(in English).

This standard adopts ISO 4399:1995, the following changes made.

--- With Chapter 2 normative references in adopting international standards in place of the standard corresponding to international standards;

--- In Table 1 and related provisions, remove the pressure to "bar" as a unit of equivalent values and the corresponding description;

--- In Table 1, an increase of [21MPa], 80MPa, 100MPa, 125MPa, 160MPa five pressure levels.

This standard replaces GB/T 7937-2002 "hydraulic and pneumatic fittings and associated components - Nominal pressures", compare with changes as follows.

--- 3.1 nominal definition to read "In order to facilitate identification and indicate fittings and associated components attributable to the pressure of the series, and it refers to Predetermined pressure value. ";

--- Table 1 in the second row, second column "63" to "6.3."

--- Increase in Table 1. [21MPa], 125MPa, 160MPa three pressure levels.

The standard proposed by China Machinery Industry Federation.

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

This standard was drafted. Beijing Machinery Industry Automation Research Institute.

1 Scope

This standard specifies the nominal pressure hydraulic and pneumatic fittings and associated components.

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 2346-2003 fluid power systems and components - Nominal pressures (ISO 2944:2000, MOD) GB/T 17446 Fluid power systems and components Terminology (GB/T 17446-1998, idt ISO 5598. 1985)

3 Terms and Definitions

GB/T 17446 and established the following terms and definitions apply to this standard.

For ease of presentation and identification fittings and associated components attributable to the pressure of the series, while the value of its specified pressure.

Note: This definition is defined in GB/T 2346-2003 applied the same, and only applies to this standard.

4 Units

4.1

nominal pressure rating shall be, respectively kilopascals (kPa) or megapascals (MPa) represented.

4.2

When not specified, nominal pressure gauge should be considered, namely. relative to atmospheric pressure.

4.3

In addition to the nominal specified in this standard should be GB/T 2346-2003 Select.

Nominal 5

Nominal pipe fittings and associated components shall be selected in Table 1.

Table 1 Nominal pressures megapascals

4 0.25 [21] 50 160

0.63 6.3 2563

110 31.5 80

1.6 16 [35] 100

2.5 2040125

Note: The square brackets in non-recommended value.

6 Marking explanation (to cite this standard)

Determining compliance with the standards, test reports, samples and sales documents using the following instructions. Nominal "fittings and associated components of pressure Force in line with GB/T 7937-2008 "hydraulic and pneumatic fittings and associated components - Nominal pressures" provisions. "