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

中华人民共和国国家标准

GB/T 7935-2005

Replace GB/T 7935-1987

**Hydraulic Fluid Power - General Requirements for
Hydraulic Components**

液压元件通用技术条件

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and Quarantine of the People's Republic of China**

**Standardization Administration of the People's Republic of
China**

Contents

Foreword	1
1 Scope	1
2 Normative References	1
3 Terms and Definitions	2
4 Technical Requirements	2
5 Test Requirements	4
6 Marking and packaging	6

Foreword

This standard replaces GB/T 7935-1987 "*Hydraulic fluid power - General requirements for hydraulic components*".

Compared with GB/T7935-1987, there are the following revisions in this standard:

- Add 3 chapters - "1 scope", "2 Normative references" and "3 terms and definitions";
- Cancel the requirements in design, technology and material in the former standard;
- Add the chapter "test requirement";
- Cancel specific contents about "delivery test" and "type test";
- Regulate the statement of 4.2 and 4.3.

This standard is proposed by China Machinery Industry Federation.

This standard is under the jurisdiction of Technical committee for standardization of hydropneumatic machinery (SAC /TC 3).

The responsible drafting organization is Beijing Research Institute of Automation for Machinery Industry

The chief drafting staff of this standard includes Peng Ping, Zhao Manlin, Liu Xinde

This standard replaces the following historical editions issued:

- GB/T 7935-1987

Hydraulic Fluid Power - General Requirements for Hydraulic Components

1 Scope

This standard specifies the general requirements of hydraulic components.

This standard is applicable to hydraulic components for common industrial purpose, which the working medium is hydraulic liquid or other liquid with similar property.

Note: This standard may be referenced for hydraulic auxiliaries.

2 Normative References

The articles contained in the following documents have become this standard when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB/T 2346 Fluid power systems and components - Nominal pressures (GB/T 2346-2003, ISO 2944: 2000, MOD)

GB/T 2347 Hydraulic fluid power - Pumps and motors - Geometric displacements (GB/T 2347-1980, egv ISO 3662: 1976)

GB/T 2348 Fluid power systems and components - Cylinder bores and piston rod diameters (GB/T 2348-1993, neq ISO 3320: 1987)

GB/T 2349 Fluid power systems and components - Cylinders - Basic series of piston strokes (GB/T 2349-1980, egv ISO 4393: 1978)

GB/T 2350 Fluid power systems and components - Cylinders - Piston rod thread dimensions and types (GB/T 2350-1980, egv ISO 4395:1978)

GB/T 2353 Dimension series and identification code for mounting flanges and shaft ends of hydraulic pumps and motors (GB/T 2353-2005, ISO 3019-2: 2001, MOD)

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