

ICS 23.040.70

CCS J15



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

GB/T 15700-2008

Replacing GB/T 15700-1995

Polytetrafluoroethylene bellows compensators

聚四氟乙烯波纹补偿器

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Quarantine of the People's Republic of China;
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Foreword

This standard replaces GB/T 15700-1995 "PTFE bellows compensator general technical conditions." This standard and GB/T 15700-1995 compared to the main changes are as follows:

- The standard name is deleted general technical conditions;
- Standard applies to a temperature range determined by product type;
- Increased polytetrafluoroethylene composite metal bellows and PTFE composite metal steel jacket bellows two types of products;
- Increasing the naming;
- Clear polytetrafluoroethylene tubular part thickness requirements;
- According to the thickness changed the withstand voltage value;
- Added pressure test pressure test methods and waived pressure test conditions;
- Cancel the test temperature requirements;
- Modify the tightness requirements and test methods;
- Modify the vacuum test, the fatigue resistance of vacuum blasting performance requirements and test methods;
- Remove the welding requirements;
- Increased packaging, storage flag, express transport and storage requirements. The standard proposed by China Machinery Industry Federation. This standard by the National Standardization Technical Committee pipe accessories. This standard was drafted. Nanjing Chenguang East Lo Bellows Ltd., the machine Productivity Promotion Center, Wenzhou City Fusu equipment factory, temperature City preservative Equipment Co., Ltd., Hubei Amkor Engineering Plastics Co., Ltd., Laiwu Iron and Steel Co., Ltd. Thermal Power Plant, Wenzhou Zhao have Freon Ltd., Jiangsu Province Special Equipment Safety Supervision and Inspection Institute. The main drafters of this standard. Chen Su, Qian Yun Shan, Li Junying, Chengxiu Ping, Zhang Xibo, the whole Wu Liang, Zhang Bin, CHEN Guo, Miao

Chunsheng. This standard replaces the standards previously issued as follows:

--- GB/T 15700-1995. PTFE bellows

1 Scope

GB/T 15700-2008 is the Chinese national standard on polytetrafluoroethylene bellows compensators, in the field of fluid systems and general-purpose components. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 25 August 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 April 2009. Classification: ICS 23.040.70, CCS J15. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the PTFE bellows compensator (also known as PTFE expansion joints, hereinafter referred to as "compensation") classification and marking, Materials, requirements, test methods, inspection rules and signs packaging, transport and storage. This standard is suitable for installation in pipes or equipment for thermal displacement compensation pipeline and equipment corrosion and vibration absorbing noise and the use of PTFE bellows.

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, according to research encourages the parties to the agreement Study whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 191 Packaging - Pictorial signs (GB/T 191-2008, ISO 780.1997, MOD)

GB/T 1033 plastic density and relative density test method (

GB/T 1033-1986, eqv ISO /DIS1183. 1984) Determination of

GB/T 1040 (all parts) Tensile Properties of Plastics

GB/T 1804-2000 General tolerances for linear and angular dimensions without individual tolerance tolerance (eqv ISO 2768-1.1998)

GB/T 9124 steel pipe flanges

GB/T 12777 metal bellows expansion joint general technical conditions

GB/T 14525 corrugated metal hose general technical conditions QB/T 3624-1999
polytetrafluoroethylene tube QB/T 3625-1999 PTFE sheet QB/T 3627-1999 PTFE film

3 Categories and tags

3.1 Classification Have compensator to enhance and strengthen divided into the following five categories according to its outer surface.

- a) PTFE bellows, type code FB;
- b) PTFE composite rubber bellows, type code FX;
- c) metal bellows Teflon-lined bellows, type code FJ;
- d) PTFE composite metal bellows, type code FW;
- e) PTFE composite steel sleeve metal bellows, type code FG.

3.2 mark Compensator, codes and symbols as follows: Product Type Code 10 times the design pressure, the design pressure in MPa Nominal size Design displacement, axial displacement (mm) or angular deflection (°)