

JB

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

JB/T 11150-2011

Bellows sealed steel globe valves

波纹管密封钢制截止阀

(English Translation)

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Figure 2 Bellows sealing steel globe valve of welded ends

Figure 3 Bellows sealing steel globe valve of flanged ends

Figure 4 High-pressure bellows sealing steel globe valve

Table 1 Common materials of bellows

Table 2 Minimum number of cycle life tests for bellows

Table 3 Number of potential pressure life tests for bellows sealing steel globe valves

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Table 6 Connecting gaskets for body and bonnet

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1 Scope

This standard specifies the type of construction, parameters, technical requirements, inspection methods, inspection rules, marking and delivery of bellows sealing steel globe valves.

This standard is applicable to bellows sealing steel globe valves with nominal pressure of PN16~PN260 and nominal size of DN15~DN400.

It may also serve as a reference for bellows sealing steel throttle valves and bellows sealing steel stop check valves.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition (including any amendments) applies.

GB/T 196 General purpose metric screw threads - Basic dimensions

GB/T 197 General purpose metric screw threads - Tolerances

GB/T 228 Metallic materials - Tensile testing at ambient temperature

GB/T 1047 Pipework components - Definition and selection of DN (nominal size)

GB/T 1048 Pipework components - Definition and selection of PN GB/T 3089 Seamless ultra-thin wall stainless steel tubes

GB/T 3280 Cold rolled stainless steel plate, sheet and strip

GB/T 4238 Heat-resisting plate, sheet and strip

GB/T 5796 (all parts) Trapezoidal screw threads

GB/T 9113 (all parts) Integral steel pipe flanges

GB/T 9124 Specification for steel pipe flanges

GB/T 12220 General purpose industrial valves - Marking

GB/T 12221 Metal valves - Face to face, end to end, center to face and center to end dimensions

GB/T 12222 Multi-turn valve actuator attachments

GB/T 12224-2005 General requirements for industrial steel valves

GB/T 12235 Steel globe valves and lift check valve for petroleum, petrochemical and allied industries

GB/T 14992 Classification and designation for superalloys and high temperature intermetallic materials

JB/T 6440-2008 Methods of radiographic examination for steel castings valves

Compact steel valves

JB/T 7928 General purpose industrial valves - Delivery specification

JB/T 8859 Globe valve - Potential pressure life test regulation

JB/T 9092 Valve inspection and testing

JB/T 10507-2015 The metal bellows for valves

YB/T 5354 Cold-rolled plates of corrosion-resisting alloys

3.1 Types of construction

The typical types of construction and main part names of bellows sealing steel globe valves are as shown in Figure 1 ~ Figure 4.