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

GB/T 21408-2008

**Glass plant, pipeline and fittings -- Pipeline and fittings of
nominal bore 15 to 150mm -- Compatibility and
interchangeability**

玻璃设备、管道和管件 15mm~150mm口径管道和管件的通用性和互换性
(English Translation)

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Foreword

This standard and ISO 3587. 1976 (2005) "Glass equipment, pipes and fittings --- 15mm ~ 150mm diameter pipe and fittings through Versatility and interchangeability "(in English) the degree of consistency is not equivalent.

This standard Annex A, Annex B normative appendix.

This standard and ISO 3587. 1976 (2005) compared the major amended as follows.

- Increased product size deviation of the level of classification;
- Increasing the main physical and mechanical properties of the product;
- Revised Appendix B, Appendix C. deleted the standard proposed by China Petroleum and Chemical Industry Association.

This standard by the National Non-metallic chemical equipment Standardization Technical Committee centralized (SAC/TC162).

This standard was drafted. Beijing Glass Instrument Factory, Tianhua Institute of Chemical Machinery and Automation.

1 Scope

This standard specifies the nominal diameter of 15mm ~ borosilicate glass tubes and fittings 150mm product category, size, technology Requirements, test methods, inspection rules, marking, packaging, transportation and storage methods, and pipes and pipe fittings versatility and interchangeability.

This standard applies to transport corrosive gas, liquid borosilicate glass tube and pipe fittings (hereinafter referred to as pipes and fittings).

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 19738-2005 glass equipment, glass pipes and fittings assembly equipment HG/T 2436 Glass and test methods for pressure pipe fittings ISO 3585 borosilicate glass 3.3 performance

3 Terms and phrases

Definitions The following terms and phrases apply to this standard.

Special shape of the tube end.

Between the ends of the head gasket to adjust the length of the glass.

4 Products

4.1

and fittings according to the sealing form spherical structure is divided into two categories-ring face the end face of peace.

4.2

parts-per-use features can be divided into the following categories. adjust pad, reducers, elbows, tees, crosses and valves.

5 Requirements

Dimensions and tolerances 5.1 and fittings

5.1.1

The length of the glass tube and deviation should meet the requirements of Figure 1 and Table 1.

5.1.2

pipes and fittings (except elbow) and the diameter and wall thickness deviation should meet the requirements of Figure 1 and Table 2.

5.1.3

end head of the transition zone of the tube (about 60mm ~ 80mm) may have a thickness greater than specified in Table 2.

5.1.4

straightness of glass shall not exceed 4%.

5.1.5

adjust the length of the pad should comply with Figure 2 and Table 3.

5.1.6

Reducing length of the tube and its deviation should be as defined in Figure 3 and Table 4.

5.1.7

elbow wall thickness and length of their deviations shall comply with Figure 4 and Table 5.