

ICS 23.040

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**National Standard of the People's Republic of China**

GB/T 20801.5-2006

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压力管道规范 工业管道

第 5 部分：检验与试验

**Pressure piping code – Industrial piping – Part 5: Inspection and  
testing**

**Issued on Dec 30, 2006**

**Implemented on Jun 01, 2007**

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**Issued by the General Administration of Quality Supervision, Inspection and Quarantine of  
the People's Republic of China & Standardization Administration of China**

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## Foreword

This standard is corresponding to ISO 15649:2001 "Petroleum and Natural Gas Industries - Piping" but it is non-equivalent to ISO 15649: 2001.

GB/T 20801 "Pressure Piping Code - Industrial Piping" consists of the following six parts:

- Part 1: General;
- Part 2: Materials;
- Part 3: Design and Calculation;
- Part 4: Fabrication and Assembly;
- Part 5: Inspection and Testing;
- Part 6: Safeguarding

This Part is Part 5 of GB/T 20801.

This Part is proposed by Sub-committee of Pressure Pipeline of National Technical Committee on Boilers and Pressure Vessels of Standardization Administration of China (SAC/TC 262/SC 3).

This Part is under the jurisdiction of National Technical Committee on Boilers and Pressure Vessels of Standardization Administration of China (SAC/TC 262).

Drafting organizations of this Part: National Technology Center of Process Equipment, Shanghai Inspection Institute of Boiler and Pressure Vessel, Bureau of Safety Supervision of Special Equipment under GAQSIQ, Sinopec Shanghai Engineering Co., Ltd., Economics & Development Research Institute (EDRI) of SINOPEC, Engineering and Construction Administration Department of SINOPEC and Liaoning Provincial Institute of Safety Science

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# Pressure Piping Code - Industrial Piping

## Part 5: Inspection and Testing

### 1 Scope

This Part specifies the basic safety requirements on the inspection, examination and testing of pressure piping within the range of GB/T 20801.1. Other requirements on the inspection, examination and testing not specified in this Part shall comply with requirements of the other part of GB/T 20801-2006 and current relevant national standard/code.

### 2 Normative References

The following documents contain provisions which, through reference in this Part of GB/T 20801, constitute provisions of this Part. For dated reference, subsequent amendments to (excluding correction to), or revisions of, any of these publications do not apply. However, the parties who enter into agreement according to this Part are encouraged to research whether the latest editions of these documents are applied or not. For undated references, the latest edition of the normative document is applicable to this standard.

GB/T20801.1-2006 Pressure piping Code - Industrial Piping - Part 1 General

GB/T20801.2-2006 Pressure Piping Code - Industrial Piping - Part 2: Materials

GB/T20801.3-2006 Pressure Piping Code - Industrial Piping - Part 3: Design and Calculation

GB/T20801.4-2006 Pressure Piping Code - Industrial Piping -Part 4: Fabrication and Assembly

JB/T4730-2005 Nondestructive Testing of Pressure Equipments

### 3 Terms and Definitions

#### 3.1

Inspection

Inspection refers to the process of compliance evaluation which is carried out by the owner or the inspection organizations which are independent from piping construction so as to verify whether the product or piping meet the requirements of standards and engineering design or not

In this Part, the quality control process for issuing quality certification by the piping components manufacturer is also called "inspection".

#### 3.2

Inspector

Inspector is the professional personnel from the owner or inspection organizations who are engaged in inspection. Inspector is endowed with the right to enter into any place where piping component manufacturing and piping fabrication/erection is in progress. Thereinto, such places include the ones concerning with manufacturing, fabrication, heat treating, assembly, erection, examination and testing.

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