UDC

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中华人民共和国国家标准

P GB 50316–2000

Design code for industrial metallic piping

工业金属管道设计规范

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Ministry of Construction，The People's Republic of China

工业金属管道设计规范

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《Design code for industrial metallic piping》

Jianbiao [2000] No.199

In line with the requirement of the《Formulation and revision plan of national standards for engineering construction in 1991》by the State Planning Commission（Jizonghe[1991] No.290），the《Design code for industrial metallic piping》formulated by the former Ministry of Chemical Industry jointly with other organizations concerned, reviewed by other organizations concerned, approved as a compulsory national standard, No. GB 50316-2000, is implemented as of January 1, 2001.

For this code, the management if the responsibility of the National Bureau of Petroleum and Chemical Industry, and China Global Chemical Engineering Company is responsible to explain in the concrete and the Standard & Quota Research Institution of the Ministry of Construction entrusts China Plan Publishing Firm to publish.

Ministry of Construction, PRC

Sep. 26，2000

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1. GENERAL STIPULATIONS

1.0.1 This code is prepared for improving design level of industrial metallic pipeworks and ensuring their design quality.

1.0.2 This code is applicable for industrial metallic pipings and those with non-metallic lines working at a nominal pressure below or equal to 42MPa.

1.0.3 This code is not applicable for design of the following pipings:

10.3.1 The pipings attached to the equipment or machines in a whole plant designed by a manuacturer;

1.0.3.2 Special pipings in a nuclear power unit;

1.0.3.3 Long-distance delivering pipings;

1.0.3.4 Pipings in a mine;

1.0.3.5 Pipings for heating, ventilating, and air conditioning, as well as pipings with a noncircular section;

1.0.3.6 The underground or indoor water supply and drainage pipings, and fire extinguishing purpose water supply pipings;

1.0.3.7 Pipings for foam, carbon dioxide, or other type fire extinguishing systems.

1.0.4 The pressure used in this code all mean gauge pressures unless otherwise specified.

1.0.5 Design of any industrial metallic piping should meet the stipulations in current national standards concerned, in addition to executing this code.

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