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In the event of any doubts arising as to the contents,
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Foreword

This Japanese Industrial Standard has been revised by the Minister of Health, Labour and Welfare and the Minister of Economy, Trade and Industry, through deliberations at the Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law.

Consequently **JIS B 8265**:2016 is replaced with this Standard.

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Construction of pressure vessel — General principles

1 Scope

1.1 Applicable pressure vessels

This Japanese Industrial Standard applies to the construction of pressure vessels with the design pressure of less than 30 MPa. Pressure vessels herein refer to the vessels which retain the pressure, contain fluids which generate the pressure, or those which retain the external pressure. Pressure vessels given in **a)** to **f)** below are excluded.

This Standard and **JIS B 8267** differ in the specifications of allowable stress of materials, impact test, etc.

NOTE : The pressure, unless otherwise specified, means the gauge pressure.

a) Those specified in other Japanese Industrial Standards [1)]

b) Those made of non-metallic materials

c) Those used for atomic energy

d) Those of riveted or soldered structure

e) Those exposed to direct fire

f) Those with special structures [2)] or for special applications [3)]

Notes [1)] Examples of Japanese Industrial Standards are shown below.

JIS B 8267 *Construction of pressure vessel*

JIS B 8266 *Alternative standard for construction of pressure vessels*

JIS B 8201 *Stationary steel boilers — Construction*

JIS B 8240 *Construction of pressure vessels for refrigeration*

JIS B 8241 *Seamless steel gas cylinders*

JIS B 8248-1 *Cylindrical layered pressure vessels — Part 1 : General standards*

JIS B 8248-2 *Cylindrical layered pressure vessels — Part 2 : Alternative standards*

JIS B 8501 *Welded steel tanks for oil storage*

[2)] Such as those with complicated shapes, flat-bottom cylindrical tanks for low temperature and tanks with membrane structure.

[3)] Pressure retaining parts of rotating or reciprocating machines such as oil hydraulic machines, water hydraulic machines, pumps, compressors, turbines, internal combustion engines, water pressure cylinders or pneumatic pressure cylinders.