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Gray cast iron valves

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Contents

	Page
1 Scope	1
2 Normative references	1
3 Terms and definitions	2
4 Classification	2
5 Relation between maximum allowable pressure and fluid temperature	2
6 Quality	3
6.1 Performance	3
6.2 Construction, shape and dimensions	4
6.3 Appearance	8
7 Materials	8
7.1 General	8
7.2 Materials of valve body and bonnet	8
7.3 Materials of trim and soft seat	8
7.4 Other materials	9
8 Rust prevention	10
9 Tests	10
10 Inspection	10
10.1 General	10
10.2 Type inspection	10
10.3 Delivery inspection	11
11 Designation of product	11
12 Marking	11
Annex A (informative) Limit torques for handwheel operation	17

Foreword

This Japanese Industrial Standard has been revised by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee as the result of proposal for revision of Japanese Industrial Standard submitted by Japan Valve Manufacturers' Association (JVMA)/Japanese Standards Association (JSA) with a draft being attached, based on the provision of Article 12, paragraph (1) of the Industrial Standardization Act applied mutatis mutandis pursuant to the provision of Article 16 of the said Act. This edition replaces the previous edition (**JIS B 2031 : 2015**), which has been technically revised.

However, **JIS B 2031 : 2015** may be applied in the **JIS** mark certification based on the relevant provisions of Article 30, paragraph (1), etc. of the Industrial Standardization Act until 19 August 2025.

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Gray cast iron valves

1. Scope

This Japanese Industrial Standard specifies requirements for gray cast iron valves (hereafter referred to as valves) to be used for general mechanical devices, etc.

Annex A shows for reference the limit torques for handwheel operation. All the pressure values shown in this Standard are gauge pressure values.

2. Normative references

Part or all of the provisions of the following standards, through reference in this text, constitute provisions of this Standard. The most recent editions of the standards (including amendments) indicated below shall be applied.

JIS B 0100 *Glossary of terms for valves*

JIS B 0203 *Taper pipe threads*

JIS B 0253 *Gauges for taper pipe threads*

JIS B 1054-1 *Mechanical properties of corrosion-resistant stainless steel fasteners — Part 1: Bolts, screws and studs*

JIS B 1054-2 *Mechanical properties of corrosion-resistant stainless steel fasteners — Part 2: Nuts*

JIS B 1180 *Hexagon head bolts and hexagon head screws*

JIS B 1181 *Hexagon nuts and hexagon thin nuts*

JIS B 2001 *Nominal size and bore of valves*

JIS B 2002 *Face-to-face and end-to-end dimensions of valves*

JIS B 2003 *General rules for inspection of valves*

JIS B 2004 *General rules for marking on valves*

JIS B 2239 *Cast iron pipe flanges*

JIS G 3101 *Rolled steels for general structure*

JIS G 3214 *Stainless steel forgings for pressure vessels*

JIS G 3507-2 *Carbon steels for cold heading — Part 2: Wires*

JIS G 4303 *Stainless steel bars*

JIS G 5121 *Corrosion-resistant cast steels for general applications*

JIS G 5501 *Grey iron castings*

JIS G 5502 *Spheroidal graphite cast irons*

JIS G 5705 *Malleable iron castings*

JIS H 3100 *Copper and copper alloy sheets, plates and strips*

JIS H 3250 *Copper and copper alloy rods and bars*