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JIS B 0011-1 : 1998
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**Technical drawings—Simplified
representation of pipelines—
Part 1 : General rules and
orthogonal representation**

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Descriptors : pipelines, pipework systems, pipes, technical drawing, projection
(drawing), drawings

Reference number : JIS B 0011-1 : 1998 (E)

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Foreword

This translation has been made based on the original Japanese Industrial Standard revised by the Minister of International Trade and Industry through deliberations at Japanese Industrial Standards Committee in accordance with the Industrial Standardization Law. Consequently **JIS Z 8205 : 1995** is revised and replaced with **JIS B 0011-1 : 1998**, **JIS B 0011-2 : 1998** and **JIS B 0011-3 : 1998**.

JIS B 0011 consists of the following parts, under the general title *Technical drawings—Simplified representation of pipelines*:

Part 1 : General rules and orthogonal representation

Part 2 : Isometric projection

Part 3 : Terminal features of ventilation and drainage systems

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Technical drawings—Simplified representation of pipelines— Part 1 : General rules and orthogonal representation

Introduction This part of **JIS B 0011** has been prepared on the basis of **ISO 6412-1**, *Technical drawings—Simplified representation of pipelines—Part 1 : General rules and orthogonal representation* published in 1989 as the first edition, without modifying its technical content and structure.

The portions underlined with dots in the text and Annex 1 (informative) are items not included in the original International Standard.

Depending on the information it is intended to convey and the form of representation required, a distinction has to be made between graphical representation by means of orthogonal and that by means of isometric representation.

This part of **JIS B 0011** deals, therefore, with general rules used for both representations (orthogonal and isometric). Rules applicable only to isometric representation are given in **JIS B 0011-2**.

For the purposes of this part of **JIS B 0011**, all dimensions and tolerances on the drawings have been stencilled in upright lettering. It should be understood that these indications could just as well be written in free-hand or inclined (italic) lettering without altering the meaning of the indications.

For the presentation of lettering (proportions and dimensions), see 4.4.

1 Scope This part of **JIS B 0011** specifies rules and conventions for the execution of simplified drawings for the representation of all kinds of pipes and pipelines made of all sorts of materials (rigid and flexible).

It shall be used whenever pipes or pipelines have to be represented in a simplified manner.

For the purposes of this part of **JIS B 0011**, the figures illustrate the text only and should not be considered as design examples.

Remarks : This part of **JIS B 0011** might also be of some use for the representation of similar installations, such as ventilation or air-conditioning systems; in such cases, the term “duct”, etc. should be substituted for the term “pipe”.

2 Normative references The following standards contain provisions which, through reference in this text, constitute provisions of this part of **JIS B 0011**. The most recent editions of the standards listed below (including the amendments) shall be applied.

JIS B 0125 *Graphic symbols for fluid power systems*

Remarks : Cited items from ISO 1219 : 1976, *Fluid power systems and components—Graphic symbols* are equivalent to the corresponding items of **JIS B 0125**.