

JAPANESE INDUSTRIAL STANDARD

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(JFPA/JSA)

Fluid power systems and components — Graphical symbols and circuit diagrams — Part 1: Graphical symbols for conventional use and data-processing applications

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In the event of any doubts arising as to the contents, the original JIS is to be the final authority.

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Contents

	I	Page
Introd	duction ·····	. 1
1	Scope ····	· 1
2	Normative references · · · · · · · · · · · · · · · · · · ·	• 1
3	Terms and definitions ·····	$\cdot 2$
4	Identification statement (Reference to this Standard) ·····	· 2
5	General rules · · · · · · · · · · · · · · · · · · ·	· 2
6	Examples of hydraulic applications ······	• 4
7	Examples of pneumatic applications ······	45
8	Symbols of basic nature	71
9	Application rules ······	97
Annex	x A (informative) Recommendations for the creation of CAD symbols10	08
Annex JA (informative) Comparison table between JIS and corresponding		
	International Standard · · · · · · 1	13

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 Fluid Power Association (JFPA)/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 0125-1:2007), which has been technically revised.

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JIS B 0125 series consists of the following 2 parts under the general title Fluid power systems and components — Graphical symbols and circuit diagrams:

Part 1: Graphic symbols for conventional use and data-processing applications

Part 2: Circuit diagrams

Fluid power systems and components — Graphical symbols and circuit diagrams — Part 1: Graphical symbols for conventional use and data-processing applications

JIS B 0125-1: 2020

Introduction

This Japanese Industrial Standard has been prepared based on **ISO 1219-1**: 2012, Edition 3, and its Amendment 1: 2016 with some modifications of the technical contents mainly to reflect unique conditions in Japan. The amendment to the said International Standard has been incorporated into this Standard.

The vertical lines on both sides and dotted underlines indicate changes from the corresponding International Standard. A list of modifications with the explanations is given in Annex JA.

1 Scope

This Standard specifies graphic symbols for fluid power systems and components.

NOTE The International Standard corresponding to this Standard and the symbol of degree of correspondence are as follows.

ISO 1219-1: 2012 Fluid power systems and components — Graphical symbols and circuit diagrams — Part 1: Graphical symbols for conventional use and data-processing applications and Amendment 1: 2016 (MOD)

In addition, symbols which denote the degree of correspondence in the contents between the relevant International Standards and **JIS** are IDT (identical), MOD (modified), and NEQ (not equivalent) according to **ISO/IEC Guide 21-1**.

2 Normative references

The following standards contain provisions which, 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 0125-2 Fluid power systems and components Graphical symbols and circuit diagrams Part 2: Circuit diagrams
- NOTE Corresponding International Standard: ISO 1219-2 Fluid power systems and components—Graphical symbols and circuit diagrams Part 2: Circuit diagrams
- JIS B 0142 Fluid power systems and components Vocabulary
 - NOTE Corresponding International Standard : ISO 5598 Fluid power systems and components Vocabulary
- JIS B 8380 Pneumatic fluid power Identification of ports and control mechanisms of control valves and other components