



JAPANESE
INDUSTRIAL
STANDARD

Translated and Published by
Japanese Standards Association

JIS B 2005-3-1 : 2005

(IEC 60534-3-1 : 2001)

(JVMA)

**Industrial-process control valves—
Part 3-1 : Dimensions—Face-to-face
dimensions for flanged, two-way,
globe-type, straight pattern and
centre-to-face dimensions for
flanged, two-way, globe-type,
angle pattern control valves**

ICS 23.060; 25.040.40

Reference number : JIS B 2005-3-1 : 2005 (E)

PROTECTED BY COPYRIGHT

Licensee=Hong Kong Polytechnic University/9976803100
Not for Resale, 07/25/2014 10:06:33 MDT



Documents

Document Sharing Hub

6 S

Foreword

This translation has been made based on the original Japanese Industrial Standard established by the Minister of Economy, Trade and Industry through deliberations at the Japanese Industrial Standards Committee according to the proposal of establishing a Japanese Industrial Standard from Japan Valve Manufacturers' Association (JVMA), with a draft of Industrial Standard based on the provision of Article 12 Clause 1 of the Industrial Standardization Law.

This Standard has been made based on **IEC 60534-3-1 : 2001** *Industrial-process control valves—Part 3-1 : Dimensions—Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves* for the purposes of making it easier to compare this Standard with International Standard; to prepare Japanese Industrial Standard conforming with International Standard; and to propose a draft of an International Standard which is based on Japanese Industrial Standard.

Attention is drawn to the possibility that some parts of this Standard may conflict with a patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have technical properties. The relevant Minister and the Japanese Industrial Standards Committee are not responsible for identifying the patent right, application for a patent after opening to the public, utility model right or application for registration of utility model after opening to the public which have the said technical properties.

JIS B 2005 consists of the following 12 parts under the general title “*Industrial-process control valves*”

Part 1 : Control valve terminology and general considerations

Part 2-1 : Flow capacity—Sizing equations for fluid flow under installed conditions

Part 2-3 : Flow capacity—Test procedures

Part 2-4 : Flow capacity—Section Four : Inherent flow characteristics and rangeability

Part 3-1 : Dimensions—Face-to-face dimensions for flanged, two-way, globe-type, straight pattern and centre-to-face dimensions for flanged, two-way, globe-type, angle pattern control valves

Part 3-2 : Dimensions—Face-to-face dimensions for rotary control valves except butterfly valves

Part 3-3 : Dimensions—End-to-end dimensions for butt-weld, two-way, globe-type, straight pattern control valves

Part 5 : Marking

Part 6-1 : Mounting details for attachment of positioners to control valves—Section 1 : Positioner mounting on linear actuators

Part 6-2 : Mounting details for attachment of positioners to control valves—Positioner mounting on rotary actuators

Part 7 : Control valve data sheet

Part 8-1 : Noise considerations—Section One : Laboratory measurement of noise generated by aerodynamic flow through control valves

Date of Establishment: 2005-03-20

Date of Public Notice in Official Gazette: 2005-03-22

Investigated by: Japanese Industrial Standards Committee

Standards Board

Technical Committee on Machine Elements

JIS B 2005-3-1 : 2005, First English edition published in 2005-06

Translated and published by: Japanese Standards Association
4-1-24, Akasaka, Minato-ku, Tokyo, 107-8440 JAPAN

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

© JSA 2005

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Printed in Japan

Contents

	Page
Introduction	1
1 Scope	1
2 Normative reference	1
3 Definitions	1
4 Nominal sizes and pressure ratings	2
4.1 Nominal sizes	2
4.2 Pressure ratings.....	2
5 Face-to-face and centre-to-face dimensions	2
6 Tolerances	2
7 Flange facings	2