

ISA-S75.03-1992

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Standard

**Face-to-Face Dimensions for
Integral Flanged Globe-Style
Control Valve Bodies
(ANSI Classes 125, 150,
250, 300, and 600)**



ISA-S75.03 — Face-to-Face Dimensions for Integral Flanged Globe-Style Control Valve Bodies
(ANSI Classes 125, 150, 250, 300, and 600)

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1 Scope

1.1 This standard applies to flanged globe-style control valves, sizes 1/2 inch (15 mm) through 16 inches (400 mm), having top, top and bottom, port, or cage guiding.

2 Purpose

The purpose of this standard is to aid users in their piping design by providing ANSI Class 125 flat face, and ANSI Classes 150, 250, 300, and 600 raised face, flanged control valve dimensions, without giving special consideration of the equipment manufacturer to be used.

3 Definitions

For definitions of terms used in this standard, see ANSI/ISA-S75.05, Control Valve Terminology.

4 Bibliography

The following bibliography is included for the definition of pressure classes and flange dimensions, material identification, and cross reference information. Items 4.1 through 4.4 were published by ASME (American Society of Mechanical Engineers).

4.1 American Society of Mechanical Engineers (ASME), ANSI/ASME B16.34-1988, "Valves—Flanged, Threaded, and Welding End."

4.2 American Society of Mechanical Engineers (ASME), ANSI/ASME B16.1-1989, "Cast Iron Pipe Flanges and Flanged Fittings."

4.3 American Society of Mechanical Engineers (ASME), ANSI/ASME B16.5-1988, "Pipe Flanges and Flanged Fittings."

4.4 American Society of Mechanical Engineers (ASME), ANSI/ASME B16.10-1986, "Face-to-Face and End-to-End Dimensions of Valves."

4.5 American National Standards Institute, Inc. (ANSI), ANSI B16.24-1979, "Bronze Pipe Flanges and Flanged Fittings, Class 150 and 300."

4.6 International Electrotechnical Commission (IEC) Publication 534, Industrial-Process Control Valves, 534-3 (1976) Part 3: Dimensions, Section One: "Face-to-Face Dimensions for Flanged, Two-Way, Globe-Type Control Valves."