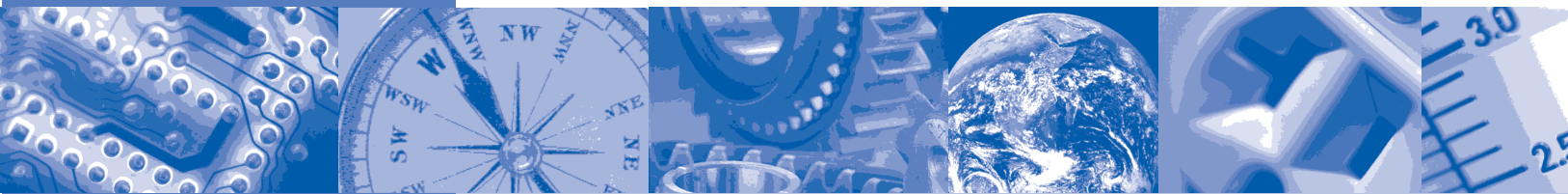


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Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies (ANSI Classes 150, 300, and 600)



**ISA—The Instrumentation,
Systems, and
Automation Society**

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Face-to-Centerline Dimensions for Flanged Globe-Style Angle Control Valve Bodies
(ANSI Classes 150, 300, and 600)

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1 Scope

This standard applies to raised-face flanged globe-style angle control valves, 1 inch through 8 inches.

2 Purpose

The purpose of this standard is to aid users in their piping design by providing ANSI classes 150, 300, and 600 raised-face flanged globe-style angle control valve face-to-centerline dimensions without giving special considerations to the equipment manufacturer to be used.

3 Definition

raised-face flanged globe-style angle control valve:

a valve design in which one port is colinear with the valve stem or actuator, and the other port (usually the inlet) is at right angles to the valve stem.

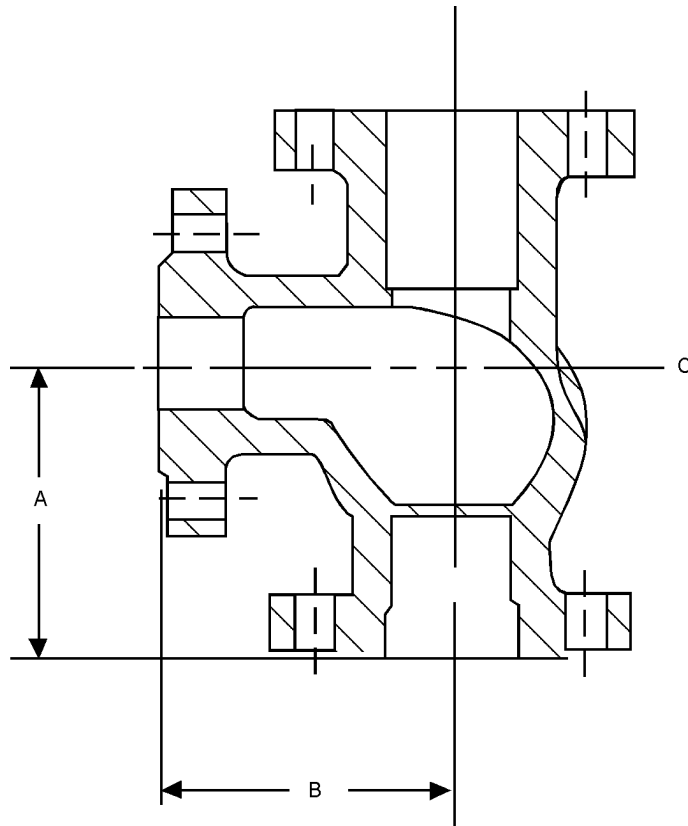
4 Dimensional data

For face-to-centerline dimensions for raised-face globe-style angle control valves, see Table 1.

Table 1 — Angle valves

Nominal valve size		Dimensions A and B *							
		Class 150		Class 300		Class 600		Tolerance	
mm	inches	mm	inches	mm	inches	mm	inches	mm	inches
25	1	92	3.62	99	3.88	105	4.12	±0.6	±0.062
40	1 ½	111	4.37	117	4.62	125	4.94	±0.6	±0.062
50	2	127	5.00	133	5.25	143	5.62	±0.6	±0.062
80	3	149	5.88	159	6.25	168	6.62	±0.6	±0.062
100	4	176	6.94	184	7.25	197	7.75	±0.6	±0.062
150	6	226	8.88	236	9.31	254	10.00	±0.6	±0.062
200	8	272	10.69	284	11.19	305	12.00	±0.6	±0.062

* See Figure 1

**Figure 1 — Dimensions A and B and centerline**

Annex A — References

The following bibliography is included for the definition of pressure classes, flange dimensions, material identification, and cross reference.

AMERICAN SOCIETY OF MECHANICAL ENGINEERS (ASME)

ANSI/ASME B16.5-1988 Pipe Flanges and Flanged Fittings

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