



Valves

Standards for Engineers Worldwide

ASME B16.34-2009

ASME B16.10-2009

Upon request from industry and government, ASME has been defining piping safety since 1922.

ASME B16.34 applies to new construction. It covers pressure-temperature ratings, dimensions, tolerances, materials, nondestructive examination requirements, testing, and marking for cast, forged, and fabricated flanged, threaded, and welding end and wafer or flangeless valves made of steel, nickel-base alloys, and other alloys. Wafer or flangeless valves, bolted or through-bolt types that are installed between flanges or against a flange are treated as flanged-end valves.

ASME B16.10 covers face-to-face and end-to-end dimensions of straightway valves, and center-to-face and center-to-end dimensions of angle valves. Its purpose is to assure installation interchangeability for valves of a given material, type, size, rating class, and end connection.

Both product standards are to be used in conjunction with equipment described in other volumes of the ASME B16 series of standards as well as with other ASME standards, such as the Boiler and Pressure Vessel Code and the B31 Piping Codes.

Careful application of these B16 standards will help users to comply with pertinent regulations within their jurisdictions, while achieving the operational, cost and safety benefits to be gained from the many industry best-practices detailed within these volumes.

Intended for manufacturers, owners, employers, users and others concerned with the specification, buying, maintenance, training and safe use of valves with pressure equipment, plus all potential governing entities.

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