

Globe Valves Series SuperAlloy Valves

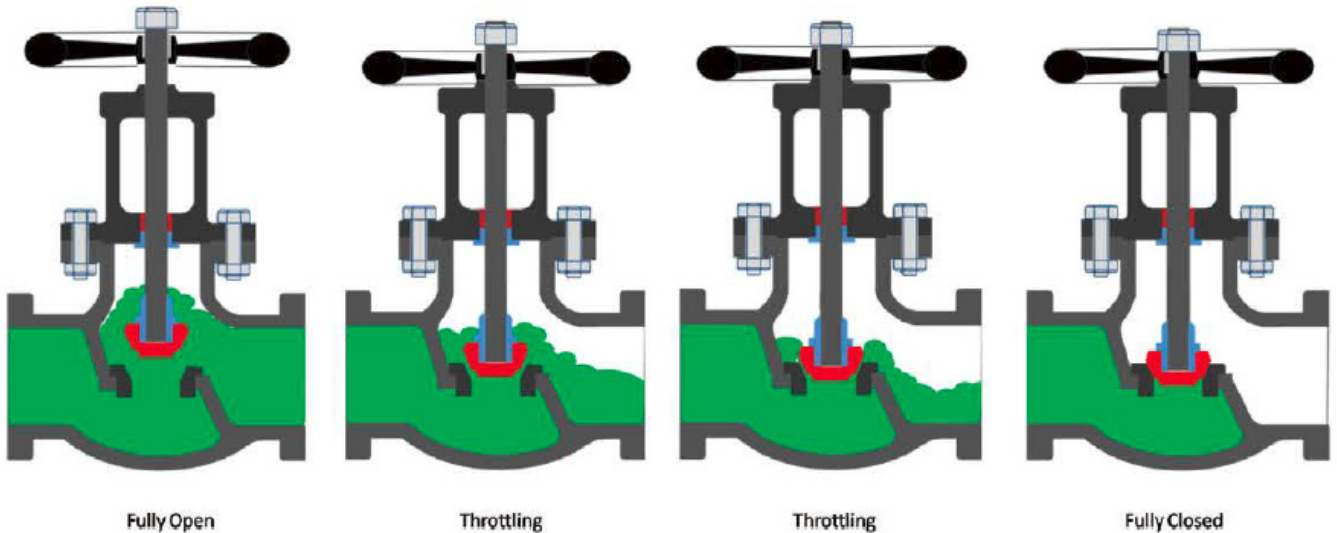
Globe Valves

Introduction



Globe valves are used for throttling flow control. Shut-off is accomplished by moving the disc against the flow stream rather than across it. This reduces chatter, wear and erosion to a minimum. The flow pattern through a globe valve involve changes in direction, resulting in greater resistance than a gate valve.

Globe valves are named for their spherical body shape with the two halves of the body being separated by an internal baffle. This has an opening that forms a seat onto which a movable plug can be screwed in to close (or shut) the valve. In globe valves, the plug is connected to a stem manual valves. The metal plug disc has high resistance to wear and the abrasive effect of dirt, scale and other solids in the fluid. When wear occurs, the metal disc can readily be “lapped in” to form tight closure. The Globe Valve must be installed in proper relation to media flow as indicated by the flow direction arrow on the valve body. The stem-disc swivel-type connection permits tight seating without damaging seating surface.



Although globe valves in the past had the spherical bodies which gave them their name, many modern globe valves do not have much of a spherical shape. However, the term globe valve is still often used for valves that have such an internal mechanism. In plumbing, valves with such a mechanism are also often called stop valves since they don't have the spherical housing, but the term stop valve may refer to valves which are used to stop flow even when they have other mechanisms or design.

Globe Valves

General Features

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- Outside Screw and Yoke
- Integral seat & overlaying
- Full bore and reduced bore
- Bolted Bonnet structure
- Pressure seal structure
- Backward sealing design
- V type packing gland
- Renewable wedge & sealing gasket
- Ends: Flanged, NPT, BW, SW
- ISO 5211 Top Flange
- Stem nitrogen treatment
- Operation: Lever, Gearbox, Pneumatic actuator, Electric actuator, Bare shaft



Design Standard

ASME Flanged Globe Valve

Features	Standard
Design	ASME B16.34, API602, BS1873
Testing	API 598, GB/T 26840, GB/T 13927
Face-to-face	ASME B16.10
Flanged End	ASME B16.5
Pressure Temperature rating	ASME B16.34
Visual Inspection of casting	MSS-SP-55
Standard Markings	MSS-SP-25
Pressure Equipment CE-PED	Directive 97/23/EC & 2014/68/EU
NACE	MR 0175 2003

Size/Pressure Product Range

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Notes:

1. Other unspecified standards and sizes available.
2. Other ends criterion
Threaded NPT: ASME B1.20 1
Socket Weld: ASME 16.11
Bull Weld: ASME 16.25