

Forged Steel Bolted Bonnet Globe Valve

This forged steel globe valve features an efficient packing seal to prevent stem leakage. Its outside screw and yoke construction simplifies stuffing box maintenance.



Product Overview

High-Performance Forged Globe Valve

This forged steel bolted bonnet globe valve is engineered for demanding high-pressure and high-temperature environments. Featuring a robust outside screw and yoke (OS&Y) design with a rising stem, it provides reliable flow regulation and shutoff capabilities. The construction incorporates flexible graphite packing and a fully guided disc to ensure accurate seating and minimal wear, making it an ideal choice for critical applications in steam, oil, gas, and chemical processing.

Industry Applications

Steam Processing • Oil & Gas • Chemical Industry • Petrochemical • Power Generation

Technical Standards

Design & Compliance

Standard Type	Specification
Design Standard	API 602, ASME B16.34
End Connection	ANSI B16.11 / ANSI B1.20.1
Face to Face	ASME B16.10
Pressure Test	GB/T13927, API 598

Size Range: 1/4" to 3"

Performance Metrics

Key Operating Metrics

500 °C Max Temperature	2500 LB Max Pressure Class
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Construction Details

Design Features

- Outside Screw & Yoke (OS&Y) construction
- Rising stem and rising handwheel
- Bolted or welded bonnet options
- Flexible graphite packing with anti-extrusion rings
- Fully guided disc for accurate alignment

Material Options: Forged Carbon Steel, Stainless Steel, Alloy Steel