

# High Pressure Forged Steel Globe Valve

This high-pressure forged steel globe valve features an efficient backseat packing seal to prevent stem leakage. The outside screw and yoke construction allows for easy maintenance of the stuffing box.



## Product Overview

### High-Performance Forged Steel Globe Valve

This forged globe valve is engineered for compact, sturdy performance in critical high-pressure and high-temperature environments. Featuring an outside screw and yoke (OS&Y) design with a rising stem, it provides reliable flow regulation and on/off control. The valve is built for durability, utilizing flexible graphite packing and a fully guided disc to ensure accurate alignment and minimal wear.

## Technical Specifications

### Connection Types

- Socket weld end
- Screwed end

**Design Standards** API 602, ASME B16.34

**Connection Standards** ANSI B16.11, ANSI B1.20.1

**Pressure Range** 150LB to 2500LB

**Size Range** 1/4" to 3"

**Maximum Operating Temperature** 500 °C

## Construction & Materials

### Stem & Bonnet

- Outside Screw & Yoke (OS&Y)
- Rising Stem
- Rising Handwheel
- Bolted or Welded Bonnet

**Body Materials** Forged Carbon Steel, Stainless Steel, Alloy Steel

**Sealing Surface Material** Alloy

## Performance Features

### Key Performance Metrics

**13927**

Pressure Test Standard (GB/T)

**598**

Pressure Test Standard (API)

### Key Features

- Efficient packing seal at backseat
- Fully guided disc for accurate alignment
- Metallic ring or spiral wound gasket options

## Applications

### Suitable Industries

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