

Steam Flange Vacuum Globe Valve

This vacuum globe valve features a cast-forging structure with a parallel double-sealed pair and half-forced two-way seal to achieve zero leakage. The design minimizes friction between sealing surfaces and includes an automatic compensation function for sealing surface wear.



Product Overview

High-Performance Vacuum Globe Valve

This Steam Flange Vacuum Globe Valve is engineered specifically for power station equipment, ensuring reliable vacuum sealing and isolation. Featuring a tempered and nitrided valve stem for superior wear resistance, it is designed for demanding environments including steam turbine condensation systems. Its robust construction and high-strength sealing materials provide long-lasting performance and effective system isolation.

Technical Specifications

Construction Materials

- 25
- WCB
- Cr5Mo
- Austenitic Stainless Steel (Inverted seal)

Design Standards	ASME B16.34, JB/T3595
Flange Connection Standards	ASME B16.5, GB/T9113
Pressure Range	Class 150 - Class 600
Size Range	DN50 - DN500 (NPS2 - NPS20)
Max Operating Temperature	425 °C

Performance & Application

Key Performance Metrics

4 MPa Min Nominal Pressure	10 MPa Max Nominal Pressure	200 °C Recommended Operating Temp
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Primary Applications

- Thermal power plant backwater condensing systems
- Steam turbine condensation systems
- Vacuum negative pressure systems
- Vacuum sealing and isolation

Operational Details

Operating Types

Manual • Electric

Pressure Testing Standards	GB/T13927, API598
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