Globe Valve

Overview

A Globe valve is a linear motion valve and is primarily designed to stop, start and regulate flow. The disk of a Globe valve can be totally removed from the flow path or it can completely close the flow path. Conventional Globe valves may be used for isolation and throttling services.

Globe valves are extensively employed to control flow. The range of flow control, pressure drop, and duty must be considered in the design of the valve to avert premature failure and to assure satisfactory service. Valves subjected to high-differential pressure-throttling service require specially designed valve trim.

PRODUCTS

Specifications

SIZES RANGE

- **2″ to 24 ″ (50mm to 600mm).**

PRESSURE RATING

- **Floating type: PN 20, PN 40,Class 150 to Class 2500.**

DESIGN STANDARDS

- **API 623, BS 1873, ASME B 16.34**

TESTING STANDARD

- **API 598**

Operations

MANUAL

- **Bare-shaft, hand wheel & Gearbox.**

AUTOMATION

- **Electric, Pneumatic, and Hydraulic Actuators.**

End Connection

SCOPE
STANDARD
FLANGED END
ASME B16.5
BUTTWELD END
ASME B16.25

Special Features

- Globe Valve design complies to API 623 (higher stem diameter than BS 1873).
- Fugitive Emissions - Complies to API 624 and ISO 15848-1.
- Body Guided disc in globe valves (all sizes/classes) provides disc stability and avoids vibration of the disc-disc nut assembly.
- Non-rotating rising stem design in globe valves (2" and above) yields a 20-30% reduction in valve torque vis-à-vis the Rotating rising stem globe valves.
- In-situ seat design in all globe valves.
- Inconel overlay cladding option available for economical solutions

Shutoff Rating

- Zero Leakage for Soft Seated & Metal Seated as per API 598 or relevant STD.

Versatile Solutions:

- Y-Globe, Bellows-sealed, FBE/ Fusion-bonded Epoxy Lined, Steam-Jacketed
- ValvTrac™ RFID tagging offered for reliable digital traceability