MERWEDE

GLOBE VALVES

THE STANDARD IN **NON-STANDARD VALVES**

GENERAL **INFORMATION**

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Globe valves stand as stalwarts in the domain of fluid control, prized for their ability to regulate the flow of liquids, gases, and steam with unparalleled precision. Globe valves offer versatility, reliability, and precise control over fluid flow.

Globe valves belong to the family of linear motion valves and derive their name from the globular shape of their body. Their design comprises a movable disc (the plug or disc) that regulates flow by moving up and down against the stationary seat. This unique mechanism allows for fine-tuning of flow rates and provides excellent throttling capability, making globe valves ideal for applications requiring precise control.

Globe valves play a pivotal role in fluid control systems, offering precision, reliability, and versatility across diverse industries and applications. Their ability to provide accurate flow regulation, excellent shut-off capability, and low maintenance requirements makes them indispensable components in steam systems, HVAC systems, process industries, and water treatment facilities. As technology advances and industrial demands evolve, globe valves continue to uphold their reputation as indispensable tools for achieving optimal performance and efficiency in fluid handling operations.

SUITABLE **APPLICATIONS**

- Steam service
- HVAC systems
- Cryogenic service
- Process industry
- Water treatment service
- Marine industry
- Shipbuilding industry
- Power Generation
- Food & Beverage industry

UNIQUE **FEATURES**

- Actuator operated
- Integral back seat
- Anti Blow-out
- Safety Stop
- Steam Jacket

TECHNICAL **SPECIFICATIONS**

PROGRAM	
Size inch (DN)	½"(15) – 14"(350)
ANSI class (lbs)	150 - 4500
API rating (psi)	3000 - 10000
DIN rating (PN)	10 - 400

STANDARDS	
API 602	ISO 15761 (BS 5352/BS 1873)
ASME B16.34	Russian GOST
DIN	NORSOK
EN 13709	PED
ISO 10423 (API 6A)	Manufacturers standard
ISO 14313 (API 6D) (BS 5352)	

RANGE	
Pressure	vacuum to 765 bar(g)
Temperature	-196 ^{0}C to 850 ^{0}C

CONSTRUCTION
Bolted bonnet, O.S. & Y, backseated
Screwed-in seal welded bonnet, O.S. & Y. Back seated
Pressure seal bonnet, O.S. & Y. Back seated
Handwheel operated
Gear operated
Actuated

DISC MODEL
Loose Ball type
Loose Plug type
Loose parabolic type

SEAT CONSTRUCTION
Integral
Renewable

OPTIONS FOR DISC AND SEAT
Stelliting
Kolsterising ®

TIGHTNESS PERFORMANCE
ISO 5208
ISO 10423 (API 6A)
ISO 14313 (API 6D)
EN 12266 Part 1/2
Clients' specification

END CONNECTIONS
Flanged (FF, RF or RTJ)
Butt weld
Socket weld
Threaded male/female (NPT, BSP, API)
Hubbed or mechanical ends
SAE flanged
Compact flanged
Clients' specification

Steam Jacket Globe Valve DN40 - 4500 lbs

Extended bonnet for D80 - 2500 lbs

The standard in **NON-STANDARD VALVES**

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