GLOBE VALVES

Oswal globe valves are heavy duty, outside screw & yoke type, bolted bonnet, rising stem and hand wheel. Valves are highly efficient for services requiring frequent operation and throttling. The internal passage within the valve diverts flow through 90° changes of direction resulting in pressure drop and turbulence. The most advance design features provides the ultimate in dependable, economic flow control. They are available in wide range of sizes and weights. Globe valves are generally considered where moderate control or regulation of flow is required.

Globe valves are adequate for all service media. Valves are marked with flow direction since they are recommended to install with flow and pressure under the disc. It can also be installed in reverse condition depending upon the conditions. The globe Valves is generally faster to operate due to less travel. But requires much force to operate compared to Gate valves.



Product Range For Cast And Forged Globe Valves

Valve Type	Class Rating	Size Range	Shell Material As Per Specification
Globe	150#	2" to 24"	ASTM A216 Gr. WCB ASTM A217 Gr. WC1 ASTM A217 Gr. WC6 ASTM A217 Gr. WC9 ASTM A217 Gr. C5 ASTM A217 Gr. C12 ASTM A351 Gr. F8 ASTM A351 Gr. F3 ASTM A351 Gr. F8M ASTM A351 Gr. CF3M ASTM A351 Gr. CN7M ASTM A351 Gr. CF8C ASTM A351 Gr. CD4Mcu ASTM A351 Gr. CK3MCuN ASTM A352 Gr. LCA ASTM A352 Gr. LCB ASTM A352 Gr. LCC ASTM A494 Gr. CW6MC ASTM A494 Gr. CW2M ASTM A494 Gr. CW2M ASTM A494 Gr. CY40 ASTM A494 Gr. CU5MCuC ASTM A995 Gr. 1A ASTM A995 Gr. 4A ASTM A995 Gr. 5A ASTM A995 Gr. 6A NACE malt. Grade to NACE MR0175/NACE MR
Globe	300#	2" to 24"	
Globe	600#	2" to 12"	
Globe	800#	1/2" to 2"	
Globe - Pressure Seal	900#	1/2" to 12"	
Globe - Pressure Seal	1500#	1/2" to 12"	
Globe - Pressure Seal	2500#	2" to 4"	
Globe - Cryogenic	150#	2" to 16"	
Globe - Cryogenic	300#	2" to 16"	
Globe - Cryogenic	600#	2" to 16"	

Note:

- Valves can be supplied with actuator,pad lock and other accessories like limit switch,position indicator,solenoid valve as per requirement
- Stem extention,underground service features are available

Standards

DESIGN STANDARD

BS 1873

TESTING STANDARD

BS EN 12266 – 1

FACE TO FACE

ASME B 16.10

END CONNECTION

Flanged End - ASME B 16.5
Butt Weld End – ASME B 16.25

PRESSURE – TEMPERATURE CHART

ASME B 16.34

Valve Operation

HANDWHEEL

2" – 10" - Class 150, 300
2" – 6 " - Class 600
2" – 4 " - Class 900, 1500

GEAR OPERATOR

12" & Above - Class 150 & 300
8" & Above - Class 600
12" & Above - Class 900 & 1500

Material

STRUCTURE	End Connection	Flanged End Raised Face, Butt Weld End, RTJ,. ETC
	Operation	Hand wheel, Gear Operator, Electrical Actuator, Pneumatic, Hydraulic
MATERIAL	Shell	WCB, WC1, WC6, WC9, LCB, LCC, LC3, C5, C12, CF8, CF8M, CF3, CF3M, CF8C, CN7M, CD4MCu, Hastelloy, Inconel, Duplex Stainless Steel
	Trim	13% Cr Steel, 304 , 304L, 316, 316L, 321, 347, F51, Monel