GATE VALVE

Oswal gate valves are heavy duty, outside screw & yoke type, bolted bonnet, rising stem with non rising hand wheel. Straight through bore design assures minimum turbulence, erosion and resistance to flow. The most advanced design features provides the ultimate in dependable, economic flow control. They are available in wide range of sizes and weights. These are widely suited for high pressure and temperature and variety of fluids.

Gate valves are adequate for all service media along with Hydrogen service, Oxygen service, Hydrocarbon service and NACE applications. Other optional features like Live loading, lantern ring, Bleed holes, purging lines and other features are available on request.





Product Range For Cast And Forged Gate Valves

Valve Type	Class Rating	Size Range	Shell Material As Per Specification
Gate	150#	1/2" to 72"	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
Gate	300#	2" to 48"	
Gate	600#	2" to 42"	
Gate	800#	1/2" to 2"	
Gate - PRESSURE SEAL	900#	1/2" to 24"	
Gate - PRESSURE SEAL	1500#	1/2" to 24"	
Gate - PRESSURE SEAL	2500#	1/2" to 12"	
Gate - CRYOGENIC	150#	2" to 36"	
Gate - CRYOGENIC	300#	2" to 36"	
Gate - CRYOGENIC	600#	2" to 24"	

Note:

- Valves can be supplied with actuator,pad lock and other accessories like limit switch, position indicator, solenoid valve as per requirement
- Stem Extention, Undergroud service features are available
- Design standard upto 24" IS API 600 and above 24" IS BS 1414

Standards

DESIGN STANDARD

API 600/BS1414

TESTING STANDARD

API 598/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, 600
2" – 4" - Class 900 & 1500

GEAR OPERATOR

12" & Above - Class 150, 300, 600
6" & 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