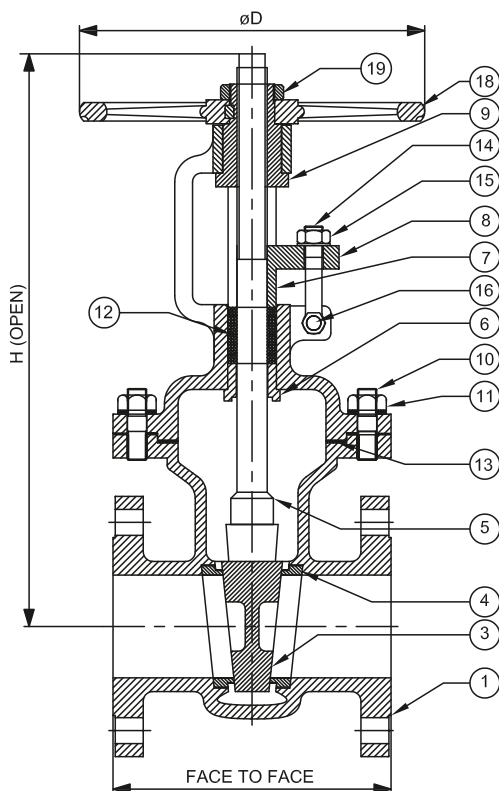


DESIGN STD :-

- Gate valve design : API 600
- Pressure/Temperature rating : ASME B16.34
- End-end Dimension : ASME B16.10
- Flange dimensions : ASME B16.5
- Testing : API 598
- Butt weld ends : ASME 16.25
- Stainless Steel / Graphite Gaskets
- Non-rotating rising stem

GATE VALVE CLASS 150/300/600



Materials

Part no.	Part Name	WC6	WC6	CF8	CF8M
1	Body	A 216 WCB	A 217 WC6	A 351 CF8	A 351 CF8M
2	Bonnet	A 216 WCB	A 217 WC6	A 351 CF8	A 351 CF8M
3	Wedge	A 217 CA15	A 217 CA15	A 351 CF8	A 351 CF8M
4	Seat ring	A 217 CA15	A 217 CA15	A 351 CF8	A 351 CF8M
5	Stem	See trim material table			
6	Backseat	See trim material table			
7	Gland bush	13Cr	13Cr	AISI 304	AISI 316
8	Gland plate	A 105	A 105	A 351 CF8	A 351 CF8M
9	Yoke sleeve	A 439 Gr. D2C / EN8			
10	Bonnet stud	A 193 B7	A 193 B16	A 193 B8	A 193 B8
11	Bonnet nut	A 194 2H	A 194 Gr. 4	A 194 Gr. 8	A 194 Gr. 8
12	Gland packing	Graphite moulded ring / Rope			
13	Gasket	Graphite+Stainless steel 304			
14	Eye bolts	A 307 Gr. B	A 193 B16	A 193 B8	A 193 B8
15	Eye bolt nuts	A 194 2H	A 194 Gr. 4	A 194 Gr. 8	A 194 Gr. 8
16	Eye bolt pins	Carbon steel	Carbon steel	Stainless steel	Stainless steel
17	Retaining ring	Carbon steel	Carbon steel	Stainless steel	Stainless steel
18	Handwheel	SG Iron	SG Iron	SG Iron	SG Iron
19	Handwheel nut	Carbon steel	Carbon steel	Stainless steel	Stainless steel
20	Name plate	Stainless steel			

Dimensions (Class 150)

Size (NB)	25	40	50	65	80	100	125	150	200	250	300	350	400
Face to Face	127	165	178	191	203	229	254	267	292	330	356	381	406
H (open)	262	345	385	462	525	662	770	855	1060	1140	1255	1405	1590
ϕD	125	176	176	251	251	304	354	354	400	450	G-B	G-B	G-B

Dimensions (Class 300)

Size (NB)	25	40	50	65	80	100	150	200	250	300	350	400	
Face to Face	--	--	216	241	282	305	403	419	457	502	762	838	
H	--	--	435	512	575	712	905	1110	1165	1320	1500	1720	
ϕD	--	--	176	251	251	304	400	450	G-B	G-B	G-B	G-B	

Dimensions (Class 600)

Size (NB)	25	40	50	65	80	100	150	200	250	300	350	400	
Face to Face	--	--	292	--	356	432	559	660	787	838	889	991	
H	--	--	360	--	445	535	785	955	1205	1295	1465	1665	
ϕD	--	--	251	--	304	400	G-B	G-B	G-B	G-B	G-B	G-B	

Trim Materials

Part no.	Part name	Trim 1	Trim 2	Trim 5	Trim 8	Trim 10
		13Cr / 13Cr	304 / 304	Stellit./Stellit.	Stellite/13Cr	316 / 316
3	Wedge Face	13Cr	AISI 304	Stellite	13Cr	AISI 316
4	Seat Ring Face	13Cr	AISI 304	Stellite	Stellite	AISI 316
5	Stem	13Cr	AISI 304	13Cr	13Cr	AISI 316
6	Backseat	13Cr	AISI 304	13Cr	13Cr	AISI 316

WHY “M-FLOW” GATE VALVE?

- Outside screw and yoke
- Bolted bonnet
- Graphite packing
- Stainless steel / graphite gaskets
- Solid wedge
- Low operating torques
- Round body construction throughout the range
- Extended trim life