



'Fluid control' the Complete solution from one source !

Universal Engineering

32, Gajanan Industrial Estate, Old Manekchowk Mill Compound,
Nr. Idgah Police Chowky, O/s. Dariapur Gate, Ahmedabad - 380 016, Gujarat, INDIA.

Phone : +91-79-2212 5274

E-mail : universalvalves09@gmail.com

CS WCB GATE VALVE FLANGED ENDS ASA 150# / ASA 300#

Size		CLASS - 150							
Inch	M. M.	A	B	ØC	ØD	ØM	N	P.C.D	ØW
1"	25	127.0	11.0	51	108.0	16	4	79.2	100
1.1/2"	40	165.1	14.2	73	127.0	16	4	98.5	135
2"	50	177.8	15.7	92	152.0	19	4	120.6	200
2.1/2"	65	190.5	17.5	105	178.0	19	4	139.7	250
3"	80	203.2	19.0	127	190.5	19	4	152.4	250
4"	100	228.6	24.0	157	229.0	19	8	190.5	300
5"	125	254.0	24.0	186	254.0	22	8	215.9	350
6"	150	266.7	25.0	216	279.0	22	8	241.3	350
8"	200	292.1	28.5	270	343.0	22	8	298.4	400
10"	250	330.2	30.0	324	406.0	25	12	362.0	450
12"	300	335.6	32.0	381	483.0	25	12	431.8	500
14"	350	381.0	35.0	413	534.0	28	12	476.2	508
16"	400	406.4	36.5	470	597.0	28	16	539.0	508
18"	450	432	38.1	533.4	635.0	31.8	16	557.9	-
20"	500	457	41.3	584.2	700.0	31.8	20	635.0	-
24"	600	508	46.1	692.2	815.0	35	20	749.3	-

No.	Description	Material	Qty.
01	Body	ASTM A216 Gr. WCB/CF8/CF8M	1
02	Bonnet	ASTM A216 Gr. WCB/CF8/CF8M	1
03	Wedge	ASTM A216 Gr. WCB/CF8/CF8M	1
04	Seat Ring	AISI 410 (13% CR)/SS 304/316	2
05	Stem	AISI 410 (13% CR)/SS 304/316	1
06	Gland	CARBON STEEL	1
07	Yoke Sleeve	NI-RESIST-NODULAR CAST IRON	1
08	Back Seat	AISI 410 (13% CR)/SS304/316	1
09	Gasket	SPRAL WOUND METALIC	1
10	Gland Packing	METALIC WIRE REINFORCE	-
		GRAPHOILASBESTOS	Req.
11	Bonnet Stub & Nut	ASTM A193 Gr. B7/ASTMA 194 Gr.2H	Req.
12	Eye Bolt & Nut	ASTM A193 Gr. B7/ASTM A194 Gr. 2H	2SET
13	Hand Wheel	SGIRON	1
14	Hand Wheel Nut	CARBON STEEL	1

Technical Specification

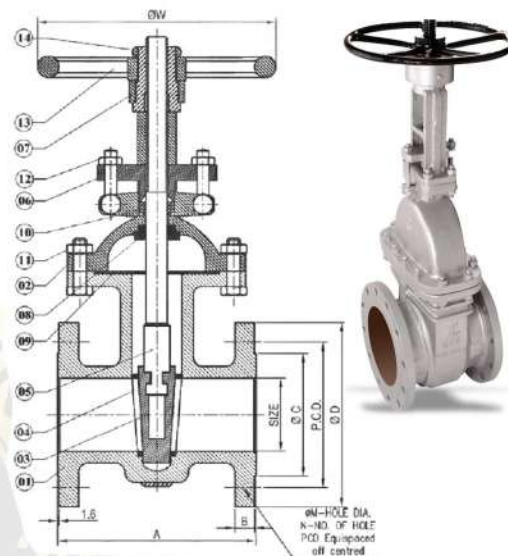
DESIGN & MANUFACTURING STD : BS-1414/AP/600

TESTING & INSPECTION STD : AP 1598

End Connection : FLANGED AS PER ANSI B-16.5

SEAL WALL THICKNESS : ANSI B 16.34

FACE TO FACE : AS PER ANSI/B 16.10



Primary Service Rating & Test Pressure

Class	WORKING PRES	TEMP	Hyd. Test Pressure	
			BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	800°F	1100 PSIG	800 PSIG

Size		CLASS - 300							
Inch	M. M.	A	B	ØC	ØD	ØM	N	P.C.D	ØW
1.1/2"	40	190.5	20.5	73	155.4	22	4	114.3	152
2"	50	215.9	22.0	92	166.0	22	8	127.0	203
2.1/2"	65	241.3	25.0	105	190.5	22	8	149.3	203
3"	80	282.5	28.5	127	209.5	22	8	168.1	254
4"	100	304.8	32.0	157	254.0	22	8	200.1	305
5"	125	381.0	35.0	186	279.4	22	8	234.9	356
6"	150	403.2	36.5	216	317.5	22	12	269.7	356
8"	200	419.1	41.0	270	381.0	25	12	330.2	407
10"	250	457.2	48.0	324	444.5	29	16	387.3	457
12"	300	501.6	51.0	381	520.7	32	16	450.8	508
14"	350	762.0	54.0	413	584.2	32	20	514.3	508
16"	400	838.2	57.0	470	647.7	35	20	571.5	508

