

GATE VALVE FLANGE END

ASA 150#, 300#
Suitable up to 450°C



Technical Data :

CONSTRUCTION : 'OS' & 'Y' TYPE, RISING STEM,
NONRISING HANDWHEEL, BOLTED BONNET,
RENEWABLE SEATRING & BACKSEAT ARRANGEMENT

DESIGN & MFG. CODE : API 600 / BS 1414

INSPECTION & TESTING : API 598

FACE TO FACE : ASME B 16.10

END CONNECTION : ANSI B 16.5 R/F CONC. SERRATED

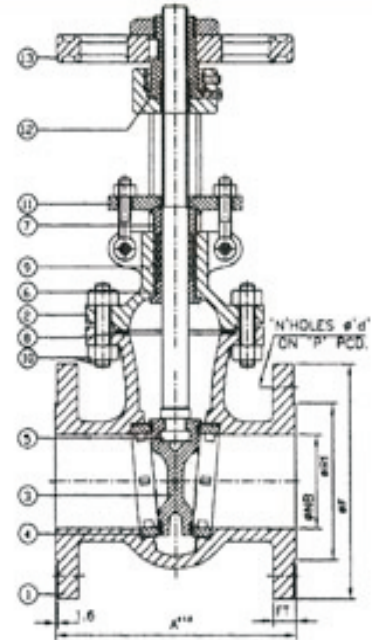
BILL OF MATERIAL

Sr.	PART NAME	MATERIALS
1	BODY	ASTM A 216 Gr. WCB / CF8 / CF8M
2	BONNET	ASTM A 216 Gr. WCB / CF8 / CF8M
3	WEDGE	AISI 410/ WCB+13% Cr. FACING / 304/316
4	SEATRING	AISI 410/ WCB+13% Cr. FACING / 304/316
5	STEM	AISI 410 / 304 / 316
6	BACKSEAT BUSH	AISI 410 / 304 / 316
7	GLAND BUSH	AISI 410 / 304 / 316
8	GASKET	CAF/SPIRAL WOUND SS304/316+CAF
9	GLAND PACKING	GRAPHITED ASBESTOS
10	STUD/NUT	ASTM A 193 B7/194 Gr. 2H
11	GLAND FLANGE	CARBON STEEL
12	YOKE SLEEVE	EN-1A (CARBON STEEL)
13	HANDWHEEL	C.I./WCB

Class 150

Size	∅ NB	A	∅ F	FT	∅ Rf	'P'	∅ 'd'	'N'
25	25	127	108	11.2	51	79.2	16	4
40	38	165	127	14.3	73	98.5	16	4
50	50	178	152.4	15.9	92	120.6	19	4
65	63	190.5	178	17.5	105	139.7	19	4
80	75	203	190.5	19.1	127	152.4	19	4
100	100	229	228.6	23.9	157	190.5	19	8
125	125	254	254	23.9	186	215.9	22.2	8
150	150	267	279.4	25.4	216	241.3	22.2	8
200	200	292	343	28.6	270	298.5	22.2	8
250	250	330	406.4	30.2	324	362.0	25.4	12
300	300	356	482.6	31.8	381	431.8	25.4	12

"Apex" make



Class 300

Size	∅ NB	A	∅ F	FT	∅ Rf	'P'	∅ 'd'	'N'
25	25	165.1	124	17.5	51	88.9	19	4
40	38	190.5	155.5	20.6	73	114.3	19	4
50	50	215.9	165.1	22.2	92	127	22.2	8
65	63	241.3	190.5	25.4	106	149.4	22.2	8
80	75	282.6	209.5	28.6	127	168.1	22.2	8
100	100	304.8	254	31.8	157	200.1	22.2	8
125	125	381	279.4	35.0	186	235	22.2	8
150	150	403.2	317.5	36.6	216	269.8	22.2	12
200	200	419.1	381	41.2	270	330.2	25.4	12
250	250	457.2	444.5	47.8	324	387.4	28.6	16
300	300	501.6	520.7	50.8	381	450.9	31.8	16

SERVICE RATING & TEST PRESSURE

CLASS	WORKING PRESS.	TEMP.	HYD. TEST BODY	PRESS.
150	150 PSIG	500 OF	425	300 PSIG
300	300 SPIG	850 OF	1100	800

AVAILABLE OPTION :

- * Special material on request
- * Actuator Operated
- * Butt weld end in all ferrous mat.
- * Bellow sealed gate valves
- * Seat weld

*ASA 400#, 600#, 800#, 900# *All dimensions are in.



APEX ASSOCIATES

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