

GATE VALVES

CLASS
150 / 300



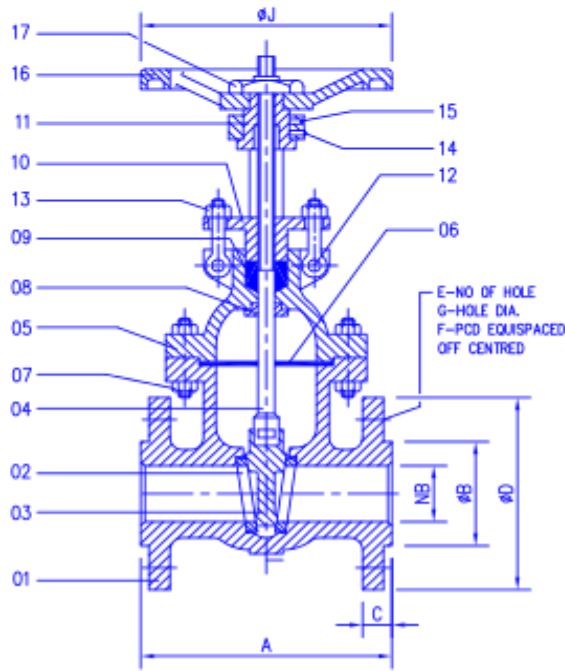
TECHNICAL DATA

MANUFACTURING STD.: API 600, BS 1414

TESTING & INSPECTION STD.: API 598

FACE TO FACE: AS PER ANSI B 16.10

END CONNECTIONS: FLANGED AS PER B 16.5 RF



P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	C.S. ASTM A 216 Gr. WCB
			C.I. TO IS 210 Gr. FG 220
			ASTM A 351 CFB/CFBM/CN7M
02	SEAT RING	2	C.S. ASTM A 216 Gr. WCB AISI 304/AISI 316/AISI 410
03	WEDGE	1	C.S. WITH 13% Cr. FACING AISI 304/AISI 316
04	SPINDLE	1	AISI 410/AISI 304/AISI 316
05	BONNET	1	C.S. ASTM A 216 Gr. WCB
			C.I. TO IS 210 Gr. FG 220
			ASTM A 351 CFB/CFBM/CN7M
06	GASKET	1	SPRIAL WOUND METALIC GASKET
07	BONNET STUD & NUT	Req.	ASTM A 193 Gr. B7
			ASTM A 194 Gr. 2H
08	BONNET BUSH	1	AISI 410/AISI 304/AISI 316
09	GLAND PACKING	6 MIN.	METALIC WRE REINFORCED ASBESTOS/GRAPHOIL
10	GLAND	1	C.S. ASTM A 216 Gr. WCB
11	YOKE BUSH	1	G.M./AISI 304
12	CROSS BOLT/NUT	2/2	CARBON STEEL
13	EYE BOLT/NUT	2/2	CARBON STEEL
14	GREASE NIPPLE	1	CARBON STEEL
15	GRUB SCREW	1	CARBON STEEL
16	HAND WHEEL	1	C.I./C.S.
17	HAND WHEEL NUT	1	CARBON STEEL

SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
25	127	51	14	108	4	79	16	123
40	165	73	14	127	4	98	16	152
50	178	92	16	152	4	121	19	203
65	190	105	17	178	4	140	19	203
80	203	127	19	190	4	152	19	254
100	229	157	24	229	8	190	19	305
125	254	186	24	254	8	216	22	305
150	267	216	25	278	8	241	22	356
200	292	270	29	343	8	298	22	356
250	330	324	30	406	12	362	25	406
300	356	381	32	483	12	431	25	457
350	381	413	35	534	12	477	29	508
400	406	470	37	597	16	540	29	508

SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
40	191	73	21	156	4	114	22	152
50	216	92	22	165	8	127	22	203
65	241	105	25	190	8	149	22	203
80	282	127	29	209	8	168	22	254
100	305	157	32	254	8	200	22	305
125	381	186	35	279	8	235	22	356
150	403	216	37	318	12	270	22	356
200	419	270	41	381	12	330	25	406
250	457	324	48	445	16	387	29	457
300	502	381	51	521	16	451	32	508
350	762	413	54	585	20	515	32	508
400	838	470	58	648	20	572	35	508

CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS.	
			BODY	SEAT
150	150 PSIG	500°F	425 PSIG	300 PSIG
300	300 PSIG	850°F	1100 PSIG	800 PSIG
AIR TEST - SEAT			102 PSIG	

ENGINEERING OPTIONS:

- (1) SPECIAL MATERIALS ON REQUEST
- (2) REMOTE OPERATION ON REQUEST

ALL DIMENSION ARE IN MM

GATE VALVES

CLASS
400



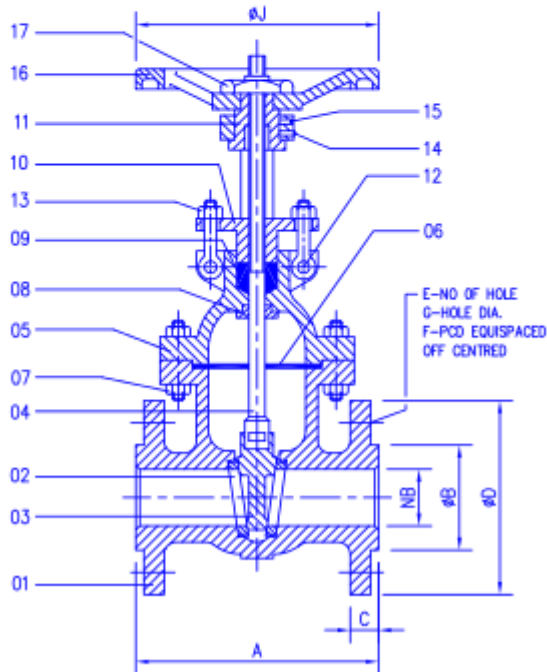
TECHNICAL DATA

MANUFACTURING STD.: API 600, BS 1414

TESTING & INSPECTION STD.: API 598

FACE TO FACE: AS PER ANSI B 16.10

END CONNECTIONS: FLANGED AS PER B 16.5 RF



ENGINEERING OPTIONS:

- (1) SPECIAL MATERIALS ON REQUEST
- (2) REMOTE OPERATION ON REQUEST

P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	C.S. ASTM A 216 Gr. WCB
			C.I. TO IS 210 Gr. FG 220
			ASTM A 351 CFB/CF8M/CN7M
02	SEAT RING	2	C.S. ASTM A 216 Gr. WCB
			AISI 304/AISI 316/AISI 410
03	WEDGE	1	C.S. WITH 13% Cr. FACING AISI 304/AISI 316
04	SPINDLE	1	AISI 410/AISI 304/AISI 316
05	BONNET	1	C.S. ASTM A 216 Gr. WCB
			C.I. TO IS 210 Gr. FG 220
			ASTM A 351 CFB/CF8M/CN7M
06	GASKET	1	SPRIAL WOUND METALIC GASKET
07	BONNET STUD & NUT	Req.	ASTM A 193 Gr. B7
			ASTM A 194 Gr. 2H
08	BONNET BUSH	1	AISI 410/AISI 304/AISI 316
09	GLAND PACKING	6 MIN.	METALIC WIRE REINFORCED ASBESTOS/GRAPHOIL
10	GLAND	1	C.S. ASTM A 216 Gr. WCB
11	YOKE BUSH	1	G.M./AISI 304
12	CROSS BOLT/NUT	2/2	CARBON STEEL
13	EYE BOLT/NUT	2/2	CARBON STEEL
14	GREASE NIPPLE	1	CARBON STEEL
15	GRUB SCREW	1	CARBON STEEL
16	HAND WHEEL	1	C.I./C.S.
17	HAND WHEEL NUT	1	CARBON STEEL

ASA - 400								
SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
40	241	73	22	156	4	114	22	250
50	292	92	25	165	8	127	19	305
65	330	105	28	190	8	149	22	305
80	356	127	32	210	8	168	22	405
100	406	157	35	254	8	200	25	405
125	457	186	38	279	8	235	25	490
150	495	216	41	318	12	270	25	490
200	597	270	48	381	12	330	29	610
250	673	324	54	445	16	387	32	675
300	762	381	57	521	16	451	35	825

PRIMARY SERVICE RATING & TEST PRESSURE			
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS. BODY SEAT
400	400 PSIG	850°F	1450 PSIG 1060 PSIG
AIR TEST - SEAT 102 PSIG			

ALL DIMENSION ARE IN MM

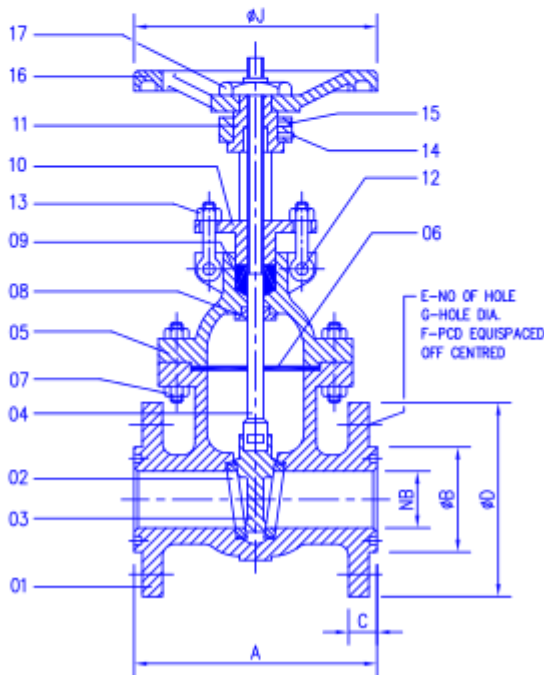
GATE VALVES

CLASS
600 / 900



TECHNICAL DATA

MANUFACTURING STD.: API 600, BS 1414
 TESTING & INSPECTION STD.: API 598
 FACE TO FACE: AS PER ANSI B 16.10
 END CONNECTIONS: FLANGED AS PER B 16.5 RF



P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	C.S. ASTM A 216 Gr. WCB
02	SEAT RING	2	AISI 410 WITH STELLITING
03	WEDGE	1	ASTM A216 +13% Cr. FACING WITH STELLITING
04	SPINDLE	1	AISI 410
05	BONNET	1	C.S. ASTM A 216 Gr. WCB
06	GASKET	1	RTJ SOFT STEEL R-31
07	BONNET STUD & NUT	Req.	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H
08	BONNET BUSH	1	AISI 410
09	GLAND PACKING	6 MIN.	METALIC WIRE REINFORCED ASBESTOS/GRAPHOL
10	GLAND	1	C.S. ASTM A 216 Gr. WCB
11	YOKE BUSH	1	G.M./AISI 304
12	CROSS BOLT/NUT	2/2	CARBON STEEL
13	EYE BOLT/NUT	2/2	CARBON STEEL
14	GREASE NIPPLE	1	CARBON STEEL
15	GRUB SCREW	1	CARBON STEEL
16	HAND WHEEL	1	C.I./C.S.
17	HAND WHEEL NUT	1	CARBON STEEL

ASA - 600								
SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
40	241	73	22	156	4	114	22	250
50	292	92	25	165	8	127	19	300
65	330	105	28	190	8	149	22	300
80	356	127	32	210	8	168	22	405
100	432	157	38	273	8	216	25	490
125	508	186	44	330	8	267	29	490
150	559	216	48	356	12	292	29	610
200	660	270	56	419	12	349	32	675
250	787	324	64	508	16	432	35	825
300	838	381	67	559	16	489	35	825
400	889	413	70	600	20	527	38	825
400	991	470	76	686	20	603	41	1000

ASA - 900								
SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
40	241	73.0	38.2	177.8	4	123.8	28.6	250
50	368	92.1	44.5	215.9	8	165.1	25.4	300
65	330	104.8	47.7	244.5	8	190.5	28.6	300
80	381	127.0	44.5	241.3	8	190.5	25.4	381
100	457	157.2	50.9	292.1	8	234.9	31.7	457
125	559	185.7	57.2	349.2	8	279.4	34.9	558
150	610	215.9	62.0	381.0	12	317.5	31.7	559
200	737	269.9	69.9	469.9	12	397.7	38.1	607
250	838	323.8	76.3	546.1	16	469.9	38.1	762
300	965	381.0	85.8	609.6	20	533.4	38.1	813

PRIMARY SERVICE RATING & TEST PRESSURE				
CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS.	
			BODY	SEAT
600	600 PSIG	850°F	2175 PSIG	1600 PSIG
900	900 PSIG	°F	PSIG	PSIG

AIR TEST - SEAT 102 PSIG

ALL DIMENSION ARE IN MM

ENGINEERING OPTIONS:

- (1) SPECIAL MATERIALS ON REQUEST
- (2) REMOTE OPERATION ON REQUEST

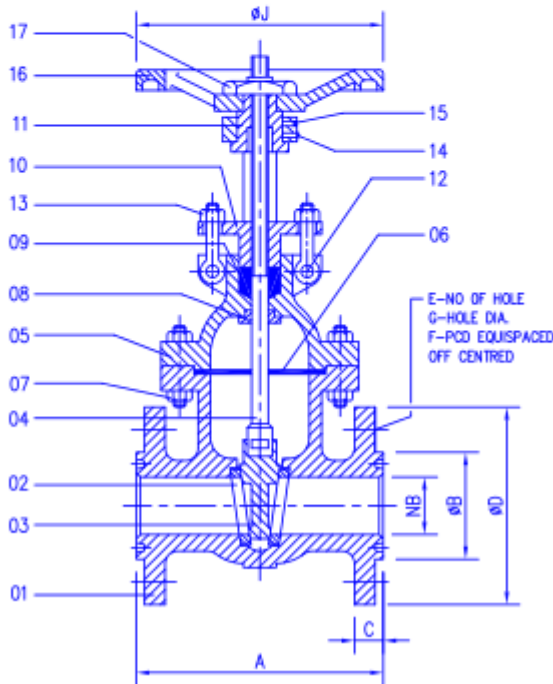
GATE VALVES

CLASS
1500 / 2500



TECHNICAL DATA

MANUFACTURING STD.: API 600, BS 1414
 TESTING & INSPECTION STD.: API 598
 FACE TO FACE: AS PER ANSI B 16.10
 END CONNECTIONS: FLANGED AS PER B 16.5 RF



P. NO.	ITEM	QTY.	MATERIAL
01	BODY	1	C.S. ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CF8/CF8M/CN7M
02	SEAT RING	2	C.S. ASTM A 216 Gr. WCB AISI 304/AISI 316/AISI 410
03	WEDGE	1	C.S. WITH 13% Cr. FACING AISI 304/AISI 316
04	SPINDLE	1	AISI 410/AISI 304/AISI 316
05	BONNET	1	C.S. ASTM A 216 Gr. WCB C.I. TO IS 210 Gr. FG 220 ASTM A 351 CF8/CF8M/CN7M
06	GASKET	1	SPRIAL WOUND METALIC GASKET
07	BONNET STUD & NUT	Req.	ASTM A 193 Gr. B7 ASTM A 194 Gr. 2H
08	BONNET BUSH	1	AISI 410/AISI 304/AISI 316
09	GLAND PACKING	6 MIN.	METALIC WIRE REINFORCED ASBESTOS/GRAPHOIL
10	GLAND	1	C.S. ASTM A 216 Gr. WCB
11	YOKE BUSH	1	G.M./AISI 304
12	CROSS BOLT/NUT	2/2	CARBON STEEL
13	EYE BOLT/NUT	2/2	CARBON STEEL
14	GREASE NIPPLE	1	CARBON STEEL
15	GRUB SCREW	1	CARBON STEEL
16	HAND WHEEL	1	C.I./C.S.
17	HAND WHEEL NUT	1	CARBON STEEL

SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
40	305	73.0	38.2	177.8	4	123.8	28.6	250
50	368	92.1	44.5	215.9	8	165.1	25.4	356
65	419	104.8	47.7	244.5	8	190.5	28.6	356
80	470	127.0	54.0	266.7	8	203.2	31.7	356
100	546	157.2	60.4	311.1	8	241.3	34.9	508
150	705	215.9	89.0	393.7	12	317.5	38.1	610
200	832	269.9	98.5	482.6	12	393.7	44.4	711

SIZE NB	A	ØB	C	ØD	E	F	ØG	ØJ
40	305	73.0	50.8	203.2	4	146.0	31.7	250
50	368	92.1	57.2	234.9	8	171.4	28.6	356
65	419	104.8	63.5	266.7	8	196.8	31.7	356
80	578	127.0	73.1	304.8	8	228.6	34.9	610
100	673	157.2	82.6	355.6	8	273.0	41.3	711

CLASS	WORKING PRESS.	TEMP.	HYD. TEST PRESS.	
			BODY	SEAT
1500	1500 PSIG	F	PSIG	PSIG
2500	2500 PSIG	F	PSIG	PSIG

AIR TEST - SEAT 102 PSIG

ENGINEERING OPTIONS:
 (1) SPECIAL MATERIALS ON REQUEST
 (2) REMOTE OPERATION ON REQUEST

ALL DIMENSION ARE IN MM