

B.D.K. ENGINEERING INDUSTRIES LIMITED



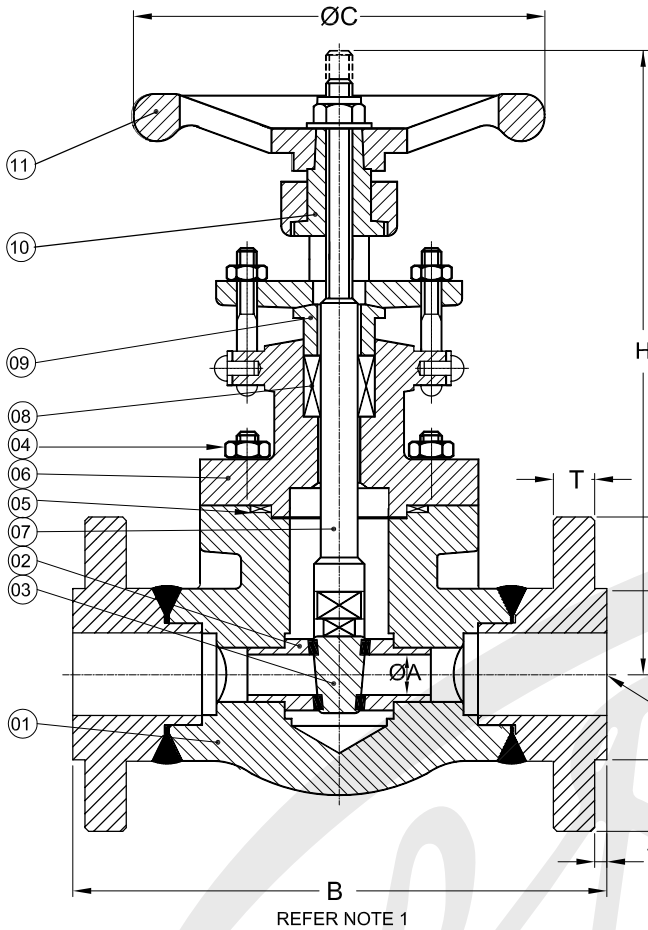
FORGED - GATE VALVE, REDUCED BORE(RB)

DATE: 01MAR 2006

DRG. NO. : FGTFE-R08-T

00
REV.NO.

APPROVED :
CHECKED :
DRAWN :



PT.NO.	PART NAME	MATERIAL
01	BODY	A 105 / F 304 / F 316
02	SEAT RING	410 / 304 / 316
03	WEDGE	CA 15 / CF 8 / CF 8M
04	STUD / NUT	A193 Gr. B7 / A194 Gr.2H
05	GASKET	SPIRAL WOUND SS:304 ASB. FILLED
06	BONNET	A 105 / F 304 / F 316
07	STEM	410 / 304 / 316
08	PACKING	*
09	GLAND	410 / 304 / 316
10	YOKE SLEEVE	SGI IS:1865/74 SG 500/7
11	HANDWHEEL	MALLEABLE IRON IS:2108 Gr. B

* TOP&BOTTOM 1NO.GRAPHITED ASB.INCONEL WIRE RNFD. IN BETWEEN 6 NO'S MOULDED GRAPHITE RINGS

REFER NOTE 2

NOTE :

- 1) DIMN. 'B' CONFORMS TO ANSI - B16.10 / BS:2080.
- 2) FLANGED ENDS TO ANSI - B16.5.
- 3) TEST PRESSURES FOR IBR, VALVES SHALL BE AS PER REQUIREMENTS.

DESIGN STD.: API 602 / BS 5352.
TESTING STD.: API 598 / BS EN 12266-1:2003.
ALL DIMENSIONS ARE IN MM.

CLASS	150						300						600						
	15	20	25	32	40	50	15	20	25	32	40	50	15	20	25	32	40	50	
SIZE	15	20	25	32	40	50	15	20	25	32	40	50	15	20	25	32	40	50	
ØA	9.5	12.7	18	24	30	36	9.5	12.7	18	24	30	36	9.5	12.7	18	24	30	36	
B ±1.5	140	152	165	178	190	216	140	152	165	178	190	216	165	190	216	229	241	292	
ØC ±5	110	110	110	170	170	170	110	110	110	170	170	170	110	110	110	170	170	170	
FLANGE DETAILS	ØD±1.5	89	99	108	118	127	152.5	95.3	117.4	124	133.5	155.5	165.1	95.3	117.4	124	133.5	155.5	165.1
	PCD±1.5	60.5	69.8	79.2	88.9	98.5	120.6	66.5	82.5	88.9	98.6	114.3	127	66.5	82.5	88.9	98.6	114.3	127
	HOLE Ø	16	16	16	16	16	19	16	19	19	19	22.4	19	16	19	19	19	22.4	19
	NO. OF HOLES	4	4	4	4	4	4	4	4	4	4	8	4	4	4	4	4	4	8
T + ³ / ₀	10	10	10	11.1	12.7	14.2	12.7	14.2	16	17.5	19	20.8	14.3	15.8	17.6	20.6	22.4	25.4	
H ±5 (APPROX.)	OPEN	162	176	195	271	271	278	162	176	195	271	271	278	162	176	195	271	271	278
	CLOSE	152	162	169	235	235	237	152	162	169	235	235	237	152	162	169	235	235	237
ØR ±0.8	35	43	51	63.5	73	92	35	43	51	63.5	73	92	35	43	51	63.5	73	92	
Approx. Wt.-kg.	3	3.8	5.8	11.2	11.5	16.5	3.8	4.8	7.2	14.5	15.1	19.8	4.8	6.2	8	15	16	22.5	
QTY.																			
TAG. No.																			

CODE	A 105	F 304	F 316	CA 15	CF 8	CF 8M	410	304	316	F 22
MATL SPECN	A 105	A 182	A 182	A 217	A 351	A 351	A 276	A 276	A 276	A 182
		F 304	F 316	CA 15	CF 8	CF 8M	410	304	316	F 22

TEST PRESSURE, bar				
	CLASS	150	300	600
HYD	SHELL	30	76	152
	SEAT	22	56	114
	BACK SEAT	22	56	114
AIR	SEAT	7	7	7

CUSTOMER: _____
ORDER NO.: _____
JOB/PROJECT: _____

MANUFACTURED BY : M/s B.D.K. ENGINEERING INDUSTRIES LIMITED, HUBLI - 580 030 , INDIA

FOR APPROVAL FOR RECORD