



PART & MATERIAL LIST				
ITEM	NAME	MATERIAL	ASTM SPEC	NOTES
1	Body	Carbon Steel	ASTM A216 GR.WCB	
2	Seat Ring	Carbon Steel	ASTM A105	Stellite Faced
3	Disc	Carbon Steel	ASTM A216 GR.WCB	316ss Faced
4	Disc Washer	Stainless Steel	ASTM A276 Type 316	
5	Pin	Stainless Steel	ASTM A276 Type 316	
6	Disc Nut	Stainless Steel	ASTM A194 GR.8	
7	Hinge	Carbon Steel	ASTM A216 GR.WCB	
8	Hinge Pin	Stainless Steel	ASTM A276 Type 316	
9	Plug	Stainless Steel	ASTM A276 Type 410	
10	Gasket	SPW.316SS+Graphite		7
11	Cover stud Bolts	Alloy Steel	ASTM A193 GR.B7	
12	Stud Bolt Nuts	Carbon Steel	ASTM A194 GR.2H	
13	Cover	Carbon Steel	ASTM A216 GR.WCB	
14	Eye Bolt	Carbon Steel	Commercial	

NOTES
 1.BASIC DESIGN - APPLICABLE REQUIREMENTS OF API600;
 2.WALL THICKNESS - API600;
 3.END FLANGED - ASME B16.5 RAISED FACE;
 4.FACE TO FACE DIMENSIONS - ASME B16.10;
 5.PRESSURE TEMPERATURE RATING - ASME B16.34;
 6.PRESSURE TESTS - API 598;
 7.RECOMMENED SPARE PARTS

SIZE	DIMENSION										WT lb
	L	b	d	c	g	n-h	t	f	k	H	
2"	10.5±0.06	2	6.5	5	3.62	8-0.75	0.88	0.06	0.38	6.9	57.3
3"	12.5±0.06	3	8.25	6.62	5.0	8-0.88	1.12	0.06	0.47	8.3	88.2
4"	14±0.06	4	10	7.88	6.19	8-0.88	1.25	0.06	0.5	9.3	145.5
6"	17.5±0.06	6	12.5	10.62	8.5	12-0.88	1.44	0.06	0.63	13.5	283
8"	21±0.06	8	15	13	10.62	12-1	1.62	0.06	0.69	14.6	458.6
10"	24.5±0.06	10	17.5	15.25	12.75	16-1.12	1.88	0.06	0.75	16.7	738.5
12"	28±0.12	12	20.5	17.75	15	16-1.25	2	0.06	0.81	19.4	1009.7

DRAWN JH	DATE 11/23/06	NEWCO VALVES NEWCO VALVES LP./ NEWMAN'S VALVE LTD.		
CHECKED DYLAN	DATE 11/23/06			
APPROVED	DATE			
CERTIFIED BY:				
DATE CERTIFIED:		NPS 2~12 CLASS 300 CAST STEEL CHECK VALVES NEWCO FIGURE NUMBER 33F-CB4/2-NC		
PRODUCT/CODE 77/27	SCALE -	SIZE B	DWG NO N1192-000	REV. 0