



PARTS & MATERIAL LIST

ITEM	PART NAME	MATERIAL
1	Body	ASTM A216 GR.WCB
2	End piece	ASTM A216 GR.WCB
3	Ball	ASTM A182-F316
4	Stem	ASTM A182-F316
5	Seat	R-PTFE
6	Body gasket	SPW.316+GRAPHITE
7	Stud bolts	ASTM A193 GR.B7M
8	Stud bolts nuts	ASTM A194 GR.2HM
9	Thrust bearing	R-PTFE
10	Washer	Stainless steel
11	Packing	GRAPHITE
12	Gland	ASTM A276 Type410
13	Stem sleeve	R-PTFE
14	Stop Pin	Stainless steel
15	Washer Spring	Harmonic Steel
16	Stop plate	Carbon Steel
17	Retainer	ASTM A686-W1
18	Lever	ASTM A216 GR.WCB
19	Nut	ASTM A194 GR.2HM
20	Antistatic ball	ASTM A276 Type 316
21	Antistatic spring	ASTM A276 Type 316
22	Locking plate	Stainless steel

NOTES:

- 1.FULL AND REGULAR PORT VALVES MEET THE DESIGN AND TEST REQUIREMENTS OF ASME B 16.34.
- 2.WALL THICKNESS I/A/W ASME B16.34 ;
- 3.ENDS FLANGED & DRILLED I/A/W ASME/ANSI B16.5;
- 4.REGULAR PORT VALVES HAVE INSTALLATION DIMENSIONS I/A/W THE SHORT PATTERN DIMENSIONS OF ANSI B16.10 AND API 6D.
- 5.FULL PORT VALVES HAVE INSTALLATION DIMENSIONS I/A/W THE LONG PATTERN DIMENSIONS OF ANSI B 16.10 AND API6D.
- 6.FIRE SAFE DESIGN TO API607;
- 7.MATERIALS COMPLY WITH NACE MR-0103;

VALVE SIZE	DIMENSION										Weight lbs (kgs)	Flow Coefficient (Cv)	
	NPS	L	Øb	Ød	Øc	Øg	n-Øh	t	f	H (Ref.)			W
2"	inch	7.00	2.00	6.00	4.75	3.62	4-Ø0.75	0.63	0.06	6.4	9.9	24.0	450
	mm	177.8	50.8	152.4	120.6	91.9	4-Ø19	16	1.6	163	250	(10.8)	
1.5"	inch	6.50	1.5	5.00	3.88	2.87	4-Ø0.62	0.59	0.06	5.6	9.9	15.0	260
	mm	165.1	38.1	127	98.6	72.9	4-Ø16	15	1.6	142	250	(6.75)	
1"	inch	5.00	1.00	4.25	3.12	2.00	4-Ø0.62	0.51	0.06	4.3	7.1	11.00	100
	mm	127	25.4	107.9	79.5	50.8	4-Ø16	12.9	1.6	110	180	(4.95)	

A	REVISED NOTE 1			DR	SPC	11/06/18
REV.	DESCRIPTION			BY	APPVD	DATE
MATERIAL						
TOLERANCES UNLESS OTHERWISE NOTED						
.XX ±.015 .XXX ±.005 FRACT. ±1/64 ANGLE ±1/2 FIN. 125						
DRAWN	JH	DATE	07/08/15			
REVIEWED	KELLY	DATE	07/08/15			
VERIFIED	PING	DATE	07/08/15	NPS 1 - 2 CLASS 150		
VALIDATED	SPC	DATE	07/08/15	CAST STEEL FLOATING BALL VALVE		
APPROVED	BS	DATE	07/08/15	NEWCO FIGURE NUMBER 51F-CB4-FP-NC-FS		
PRODUCT CODE	23	SCALE	-	SIZE	DWG NO	N7299-000
						REV. A