



NO.	PART NAME	MATERIAL
1	FLANGE END CAP	ASTM A351 Gr.CF8M
2	BODY	ASTM A351 Gr.CF8M
3	BALL & STEM	SS316
4	HOUSING	RPTFE+STAINLESS
5	SEAT	PTFE
6	GASKET	PTFE
7	O-RING	VITON
8	STEM PACKING	PTFE
9	GLAND WASHER	SS304
10	DISK WASHER	SS301
11	GLAND	SS304
12	HANDLE HEAD	ASTM A351 Gr.CF8
13	STOP PIN	SS304
14	BOLT	SS304
15	LEVER	CARBON STEEL
16	BLANK END CAP	ASTM A351 Gr.CF8M
17	CONNECTION BOLT	SS304
18	BOLT NUT	SS304
19	STOP PIN NUT	SS304
20	BONNET	ASTM A351 Gr.CF8M
21	BONNET GASKET	PTFE

SIZE	phi D	phi A	phi B	phi C	E	phi F	phi d1	H1	H2	L	phi M	N	T	t	S
2-1/2"	62	178	139.5	105	500	102	11	25	118.5	300	19	4	17.8	1.6	22
3"	76	190	152.5	127	600	102	11	25	136.5	305	19	4	19.1	1.6	22
4"	96	229	190.5	157	750	102	11	25	156.5	368.5	19	8	24	1.6	22



APEX CONTROLS CO., LTD.

NO.15, JEN-YI ST., WU-JIH HSIANG TAICHUNG, TAIWAN, 414, R.O.C.

E-mail Address : sales@apexcontrols.com.tw

Website : www.apexcontrols.com.tw

TEL : +886-4-23388440 FAX : +886-4-23388441

THIS DRAWING AND INFORMATION INCLUDED, ARE THE CONFIDENTIAL PROPERTY OF APEX CONTROLS CO., LTD. THIS DRAWING CAN NEITHER BE COPIED, EXHIBITED NOR FURNISHED TO OTHERS IN ANY FORM WITHOUT THE WRITTEN CONSENT OF APEX CONTROLS CO., LTD.

General tolerances	
Linear dimensions	Angular dimensions
0 up to 6 : ± 0.1	0 up to 10 : ± 1°
over 6 up to 30 : ± 0.2	over 10 up to 50 : ± 0°30'
over 30 up to 120 : ± 0.3	over 50 up to 120 : ± 0°20'
over 120 up to 400 : ± 0.5	over 120 up to 400 : ± 0°10'
over 400 up to 1000 : ± 0.8	over 400 : ± 0°5'
over 1000 up to 2000 : ± 1.2	Broken edges
over 2000 up to 4000 : ± 2.0	0 up to 3 : ± 0.2, 3 up to 6 : ± 0.5
	over 6 : ± 1.0

REVISION	00	Three-Way Full Port Direct Mount Flange Ball Valve ANSI Class 150			
SCALE	Free	SIZE	2-1/2"~4"	MODEL	F-61
UNIT	mm	MAT'L	ASTM A351 Gr. CF8M	TYPE	N
INSPECTED BY	David	DATE	Aug. 04, 2015	FILE	ANF61-66Pxx-02
DRAWN BY	Joanne				