



NO.	PART NAME	MATERIAL
1	END CAP	ASTM A351 Gr. CF8M
2	GASKET	PTFE
3	BODY	ASTM A351 Gr. CF8M
4	BALL	SS 316
5	SEAT	PTFE
6	STEM	SS 316
7	THRUST WASHER	RPTFE
8	O-RING	VITON
9	STEM PACKING	PTFE
10	GLAND	SS 304
11	BELLEVILLE WASHER	SS 301
12	STEM NUT	SS 304
13	NUT STOP	SS 304
14	SPACE WASHER	SS 304
15	PLATER STOPPER	SS 304
16	HANDLE NUT	SS 304
17	HANDLE	SS 304
18	HANDLE SLEEVE	VINYL
19	STOP PIN	SS 304
20	NUT	SS 304
21	PIN	SS 316

FULL PORT	STANDARD PORT	General tolerances												
		A	B	C	d1	d2	E	F	G	H	K	L	Port	
1/4"	—	37	9.5	130	6.0	6.0	62	36	42	9	35	72	11	
3/8"	1/2"	37	9.5	130	6.0	6.0	62	36	42	9	35	72	12	
1/2"	3/4"	42	10.5	130	6.0	6.0	64	36	42	9	40.5	84.5	15	
3/4"	1"	48.5	14	165	6.0	7.1	82	42	50	11	49.5	100	20	
1"	1 1/4"	55.5	14	165	6.0	7.1	89	42	50	11	56.5	113	25	
1 1/4"	1 1/2"	63	17	205	7.1	9.2	98	50	70	14	62	125.5	32	
1 1/2"	2"	73.5	16	205	7.1	9.2	108	50	70	14	73.5	150	38	
2"	—	92	21	325	9.2	11.4	140	70	102	17	87	174	50	



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 Direct Mount Ball Valve			
SCALE	Free				
UNIT	mm	SIZE	1/4"~2"	MODEL	5-8
INSPECTED BY	David	MAT'L	ASTM A351 Gr. CF8M	TYPE	N
DRAWN BY	Joanne	DATE	Jul. 06, 2011	FILE	AN58-66Pxx-01