



ITEM	DESCRIPTION	STAINLESS STEEL	CARBON STEEL	Q'TY
1	BODY	ASTM A351 CF8M	ASTM A216 WCB	1
2	BODY CAP	ASTM A351 CF8M	ASTM A216 WCB	2
3	BALL	ASTM A351 CF8M/316	ASTM A351 CF8M/316/304	1
4	SEAT	PTFE / R-TFE		2
5-1	BODY GASKET	GRAPHITE		2
5-2		PTFE		2
6-1	THRUST WASHER	GRAPHITE		1
6-2		PTFE		1
7	STEM PACKING	GRAPHITE		1
8	GLAND	AISI 304		1
9	BELLEVILLE WASHER	AISI 301		2
10	STEM	ASTM A276 316	ASTM A276 304	1
11	GLAND NUT	AISI 304		1
12	LOCK CLIP	AISI 304		1
13	SPRING WASHER	AISI 304		1
14	HANDLE NUT	AISI 304		1
15	HANDLE	AISI 304	ZINC PLATED STEEL	1
16	SLEEVE	VINYL PLASTISOL		1
17	BODY BOLT	ASTM A193 B8	ASTM A193 B7	8-16
18	STOP PIN	AISI 304	CARBON STEEL	1
19	STEM O-RING	VITON		1
20	ANTI-STATIC DEVICE	AISI 316		1

SIZE		φD	L	L1	E	F	G	H	W	φA	φB	C	ISO 5211
IN	DN												
1/4"	8	11.0	65	70	9	8	37.5	70	140	13.8	14.2	10	F04
3/8"	10									17.3	17.6		
1/2"	15	14.0	75	75						21.7	21.8	13	
3/4"	20	20.5	80	90	11	11	50.0	90	180	27.2	27.2		F04-F05
1"	25	25.0	90	100			60.0	100		34.0	33.9	15	
1 1/4"	32	31.5	110	110			72.0	112	215	42.7	42.7		F07
1 1/2"	40	37.0	120	125	14	16	76.0	115		48.6	48.8	16	
2"	50	50.0	140	150			93.0	133		60.5	61.2		F07-F10
2 1/2"	65	65.0	185	190	22	24	116.5	173	380	76.3	73.9	17	
3"	80	80.0	205	220			127.0	184		89.1	89.8		
4"	100	100.0	240	270	27	29	159.0	242	600	114.3	115.3	20	F10

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 : ± T°
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-Piece Heavy Duty Direct Mount Ball Valve			
SCALE	Free	2000 PSI, Full Port, API 607 4 th Edition Certified			
UNIT	mm	SIZE	1/4"~4"	MODEL	3-F (L370F)
INSPECTED BY	David	MAT'L	ASTM A351 Gr. CF8M	TYPE	B
DRAWN BY	Joanne	DATE	Feb. 23, 2012	FILE	AB3F-xxxxx-02-BRA