



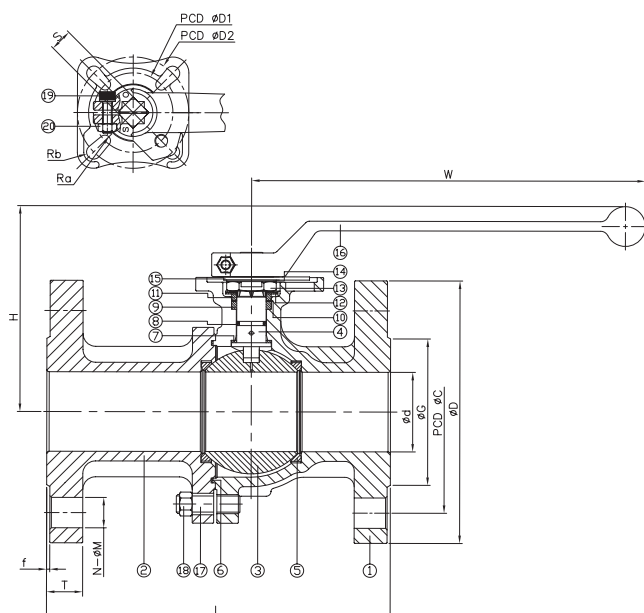
SERIES: B603FM - B603FC - Class 300

2-PC FLANGED END BALL VALVE

Stainless / Carbon Steel (1/2" - 4")

DESIGN FEATURES:

- Full port, 1/2"~4" (DN15~DN100)
- **W.P. : CLASS 300**
- W.T. : -20°C~200°C (-4°F~392°F)
- Investment casting
- Blow-out proof stem
- Silicone Free
- Supplied with lever handle
- Live-loading design
- Anti-static device
- Locking device
- **Direct mounting pad ISO 5211**
- **API 607 Fire safe approved**



ITEM	PARTS	MATERIAL	
		B603FMMGXXX	B603FCMGXXX
1	BODY	ASTM A351-CF8M	ASTM A216-WCB
2	CAP		
3	BALL	ASTM A351-CF8M	
4	STEM	ASTM A276-316	
5	SEAT	TFM 1600	
6	SEAL	GRAPHITE	
7	THRUST WASHER	CTFE	
8	O-RING	VITON	
9	PACKING A	GRAPHITE	
10	PACKING B	CTFE	
11	GLAND RING	AISI 304	
12	BELLEVILLE WASHER	AISI 301	
13	STEM NUT	AISI 304	
14	LOCK WASHER		
15	STOPPER		
16	HANDLE		
17	STUD		
18	NUT		
19	BOLT		
20	HANDLE NUT		

DN	d	G	C	D	L	H	W	T	f	S	D1	D2	Ra	Rb	N	M	ISO 5211	Torque(N-M)		Weight (kg)
																		Breakaway	Action	
15	15	35.0	66.7	95	140	84.5	197.5	14.7	2	9	36	42	2.75	2.75	4	16.0	F03 / F04	5.2	3.0	2.4
20	20	43.0	82.6	115	152	94.5	197.5	16.3	2	9	36	42	2.75	2.75	4	19.1	F03 / F04	8.0	4.7	3.4
25	24	51.0	89.0	125	165	99.5	197.5	17.9	2	11	42	50	2.75	3.5	4	19.1	F04 / F05	12.5	9.0	4.6
32	30	63.5	98.4	135	178	105.0	197.5	19.5	2	11	42	50	2.75	3.5	4	19.1	F04 / F05	14.0	11.0	5.9
40	38	73.0	114.3	155	190	124.5	247.5	21.1	2	14	50	70	3.50	4.5	4	22.3	F05 / F07	24.5	18.0	8.8
50	50	92.0	127.0	165	216	129.0	247.5	22.7	2	14	50	70	3.50	4.5	8	19.1	F05 / F07	32.0	23.0	11.0
65	64	104.8	149.2	190	241	154.5	340.0	25.9	2	17	70	102	4.50	5.5	8	22.3	F07 / F10	38.0	27.0	18.5
80	75	127.0	168.3	210	282	165.5	340.0	29.0	2	17	70	102	4.50	5.5	8	22.3	F07 / F10	45.0	30.0	25.3
100	98	157.2	200.0	255	305	188.0	340.0	32.2	2	22	102	125	5.50	6.5	8	22.3	F10 / F12	55.0	37.0	39.5

unit: mm

NPS	d	G	C	D	L	H	W	T	f	S	D1	D2	Ra	Rb	N	M	ISO 5211	Torque(in-lb)		Weight (lb)
																		Breakaway	Action	
1/2'	0.59	1.38	2.63	3.74	5.51	3.33	7.78	0.58	0.08	0.35	1.42	1.65	0.11	0.11	4	0.63	F03 / F04	46.0	26.6	5.3
3/4"	0.79	1.69	3.25	4.53	5.98	3.72	7.78	0.64	0.08	0.35	1.42	1.65	0.11	0.11	4	0.75	F03 / F04	70.8	41.6	7.5
1"	0.94	2.01	3.50	4.92	6.50	3.92	7.78	0.70	0.08	0.43	1.65	1.97	0.11	0.14	4	0.75	F04 / F05	110.6	79.7	10.1
1-1/4"	1.18	2.50	3.87	5.31	7.01	4.13	7.78	0.77	0.08	0.43	1.65	1.97	0.11	0.14	4	0.75	F04 / F05	123.9	97.4	13.0
1-1/2"	1.50	2.87	4.50	6.10	7.48	4.90	9.74	0.83	0.08	0.55	1.97	2.76	0.14	0.18	4	0.88	F05 / F07	216.8	159.3	19.4
2"	1.97	3.62	5.00	6.50	8.50	5.08	9.74	0.89	0.08	0.55	1.97	2.76	0.14	0.18	8	0.75	F05 / F07	283.2	203.6	24.3
2-1/2"	2.52	4.13	5.87	7.48	9.49	6.08	13.39	1.02	0.08	0.67	2.76	4.02	0.18	0.22	8	0.88	F07 / F10	336.3	239.0	40.8
3"	2.95	5.00	6.63	8.27	11.1	6.52	13.39	1.14	0.08	0.67	2.76	4.02	0.18	0.22	8	0.88	F07 / F10	398.3	265.5	55.8
4"	3.86	6.19	7.87	10.04	12.01	7.40	13.39	1.27	0.08	0.87	4.02	4.92	0.22	0.26	8	0.88	F10 / F12	486.8	327.5	87.1

unit: in

FOR ADDITIONAL SIZES SEE NEXT PAGE