



Shanghai Tianfa Trading Co., Ltd.

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ONE PIECE REDUCED PORT FLOATING BALL VALVE

MAIN PARTS AND MATERIALS

NO.	Part Name	Qty.	Material	NO.	Part Name	Qty.	Material
1	Body	1	ASTM A216 WCB	10	Gland	1	ASTM A576-1045
2	Sealing Ring	1	Graf oil	11	Gland Flange	1	ASTM A576-1045
3	Ball	1	ASTM A105 ENP	12	Holding Plate	1	ASTM A576-1045
4	Seat	2	PTFE	13	Handle	1	ASTM A216 WCB
5	Stem	1	ASTM A105 ENP	14	Seat Bear	1	ASTM A216 WCB
6	Pin	1	ASTM A276 F6	15	Retaining Ring	1	Carbon Steel
7	Spring	1	ASTM A276 304	16	Screw		ASTM A193 B7
8	Stem	1	PTFE	17	Packing		Graf oil
9	Thrust Collar	1	PTFE				

MAIN CONNECTION DIMENSIONS AND WEIGHTS CLASS150Lb

E. MAIN CONNECTION DIMENSIONS AND WEIGHTS CLASS300Lb

NPS	in	2	3	4	6	8	10		NPS	in	2	3	4	6	8	10
		mm	51	76	102	152	203				254	mm	51	76	102	152
L-L1 (RF)	in	7.00	8.00	9.00	15.50	18.00	21.00		L-L1 (RF-BW)	in	8.50	11.12	12.00	15.88	19.75	22.38
	mm	178	203	229	394	457	533			mm	216	283	305	403	502	568
L2 (RTJ)	in	7.50	8.50	9.50	16.00	18.50	21.50		L2 (RTJ)	in	9.12	11.74	12.62	16.50	20.37	23.00
	mm	190.5	216	241	406	470	546			mm	232	298	321	419	517	584
d1	in	3.63	5.00	6.19	8.50	10.63	12.75		d1	in	3.63	5.00	6.19	8.50	10.63	12.75
	mm	92	127	157	216	270	324			mm	92	127	157	216	270	324
d2	in	4.75	6.00	7.50	9.50	11.75	14.25		d2	in	5.00	6.63	7.88	10.63	13.00	15.25
	mm	120.5	152.5	190.5	241.5	298.5	362			mm	127	168.5	200	270	330	387.5
D	in	6.00	7.50	9.00	11.00	13.50	16.00		D	in	6.50	8.25	10.00	12.50	15.00	17.50
	mm	152	190	229	279	343	406			mm	165	210	254	318	381	445
d3	in	1.50	2.50	3.00	4.00	6.00	8.00		d3	in	1.50	2.50	3.00	4.00	6.00	8.00
	mm	38	64	76	102	152	203			mm	38	64	76	102	152	203
b	in	0.75	0.88	0.94	1.00	1.125	1.19		b	in	0.88	1.125	1.25	1.44	1.63	1.88
	mm	16	19	24	26	29	31			mm	23	29	32	37	42	48
n-φd	in	4-0.75	4-0.75	8-0.75	8-0.87	8-0.87	12-1.00		n-φd	in	8-0.75	8-0.87	8-0.87	12-0.87	12-1.00	16-1.14
	mm	4-19	4-19	8-19	8-22	8-22	12-25			mm	8-19	8-22	8-22	12-22	12-25	16-29
H (open)	in	4.33	5.71	6.69	9.65	12.60	13.39		H (open)	in	4.33	5.71	6.69	9.65	12.60	13.39
	mm	110	145	170	245	320	340			mm	110	145	170	245	320	340
W	in	8.66	14.96	18.90	25.59	31.50	39.37		W	in	8.66	14.96	18.90	25.59	31.50	39.37
	mm	220	380	480	650	800	1000			mm	220	380	480	650	800	1000
Weight	Kg	7.5	17	25	56	104	145		Weight	kg	12	30	48	85	160	300