



2-PC. FLANGED END BALL VALVE

SM2530CFF



FEATURES

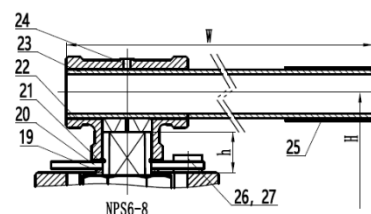
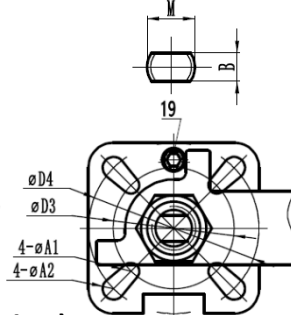
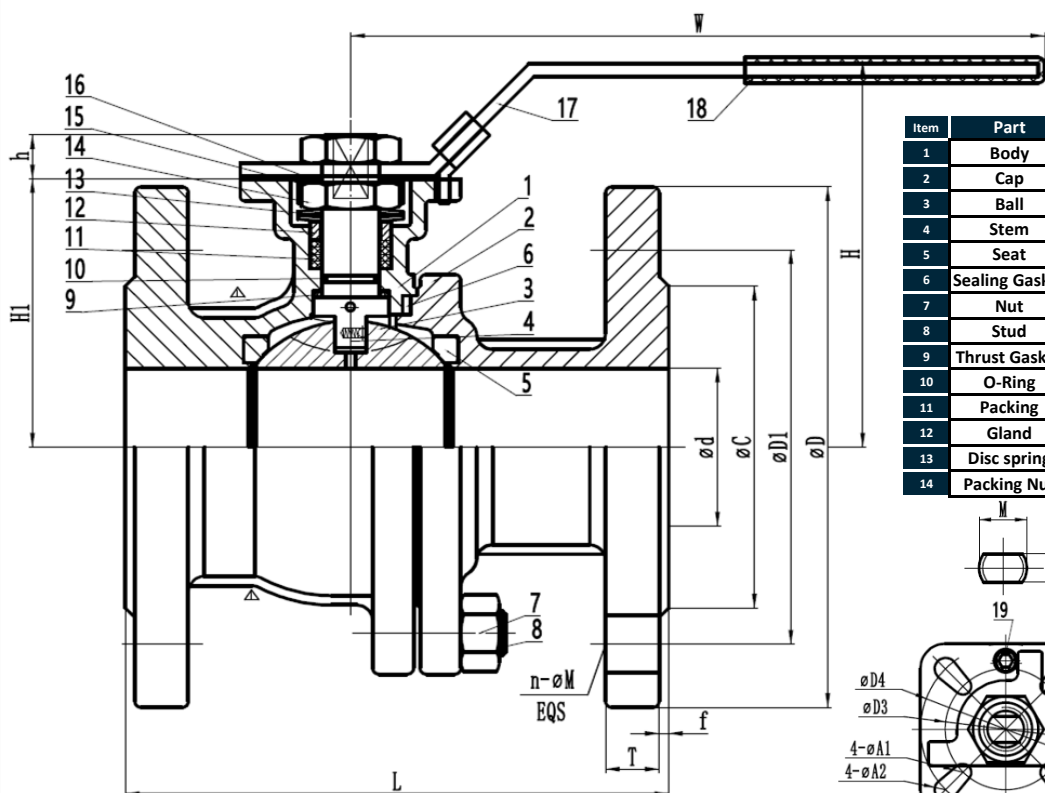
- Full Port 1/2" through 6"
- Working Pressure Class 300
- Working Temperature -4° F through 392°F
- Blow-out Proof Stem • Live-loading Design
- Anti-Static Device • Locking Device

SPECIFICATIONS

- ISO 5211 Direct Mounting Pad
- API 607 Fire Safe Approved up to 6"
- API 598 Pressure tested

Materials of Construction

Item	Part	Material Spec		Item	Part	Material Spec
1	Body	ASTM A216	ASTM A351	15	Spacer	SS304
2	Cap	WCB	CF8M	16	Washer	SS304
3	Ball	A182-F316		17	Handle	SS304
4	Stem	A276-316		18	Handle Sleeve	PVC
5	Seat	PTFE+15%GF		19	Stop Screw	SS304
6	Sealing Gasket	316L+Graphite		20	Washer	SS304
7	Nut	A194-2H	A194-8	21	Lock Plate	SS304
8	Stud	A193-B7	A193-B8	22	Retainer Clip	SS304
9	Thrust Gasket	PTFE+15%GF		23	Handle Hub	A351-CF8
10	O-Ring	VITON		24	Handle	SS304
11	Packing	Graphite		25	Lock Screw	SS304
12	Gland	SS304	SS316L	26	Handle Sleeve	PVC
13	Disc spring	SS301		27	Stop Screw	SS304
14	Packing Nut	SS304		28	Nut	SS304



Dimensions (Inches)

NPS	d	D	D1	C	T	f	n-M	L	h	H1	H	W	M	B	D3	D4	A1	A2	ISO	Cv	Weight (lbs)	Torque (in-lbs)
1/2"	0.59	3.74	2.62	1.38	0.50	0.06	4-0.63	5.51	0.35	1.89	3.15	5.55	0.47	0.31	1.42	1.97	0.24	0.28	F03-F05	25	5.4	53
3/4"	0.79	4.61	3.25	1.69	0.56	0.06	4-0.75	5.98	0.35	2.32	3.58	5.55	0.47	0.31	1.42	1.97	0.24	0.28	F03-F05	56	7.4	71
1"	0.98	4.88	3.50	2.00	0.63	0.06	4-0.75	6.50	0.43	2.48	3.94	6.38	0.55	0.39	1.65	1.97	0.24	0.28	F04-F05	98	10.7	115
1-1/2"	1.50	6.10	4.50	2.87	0.75	0.06	4-0.87	7.48	0.55	3.07	4.57	8.66	0.71	0.47	1.97	2.76	0.27	0.35	F05-F07	235	17.9	257
2"	1.97	6.50	5.00	3.62	0.81	0.06	8-0.75	8.50	0.55	3.35	4.84	8.66	0.71	0.47	1.97	2.76	0.27	0.35	F05-F07	366	24.4	443
2-1/2"	2.52	7.48	5.88	4.12	0.94	0.06	8-0.87	9.49	0.67	4.25	6.06	11.22	0.87	0.55	2.76	4.02	0.35	0.43	F07-F10	620	38.5	655
3"	2.99	8.27	6.62	5.00	1.06	0.06	8-0.87	11.10	0.87	5.12	6.89	14.96	1.10	0.79		4.02		0.43	F10	938	57.9	1018
4"	3.94	10.00	7.88	6.19	1.19	0.06	8-0.87	12.01	0.87	5.83	7.72	14.96	1.10	0.79		4.02		0.43	F10	1466	92.3	1637
6"	5.90	12.52	10.62	8.50	1.38	0.06	12-0.87	15.87	1.34	8.74	11.10	47.24	1.54	1.06	4.92	5.51	0.55	0.71	F12-F14	3298	217.7	4248
8"	7.95	15.00	13.00	10.62	1.56	0.06	12-0.98	19.76	1.57	10.91	13.62	47.24	1.89	1.26	5.51	6.50	0.71	0.87	F14-F16	5863	323.5	6726

The information presented on this sheet is correct at the time of publication. Service Metal reserves the right to change design, and/or material specifications without notice.

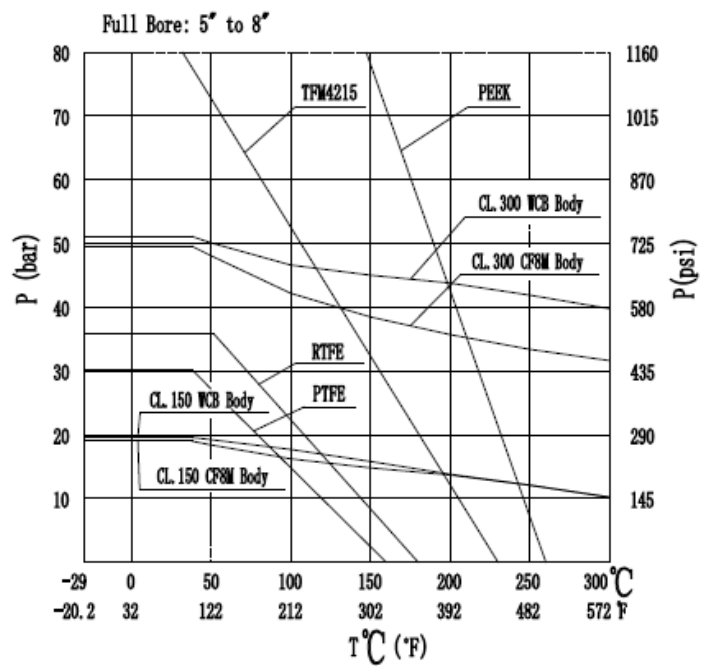
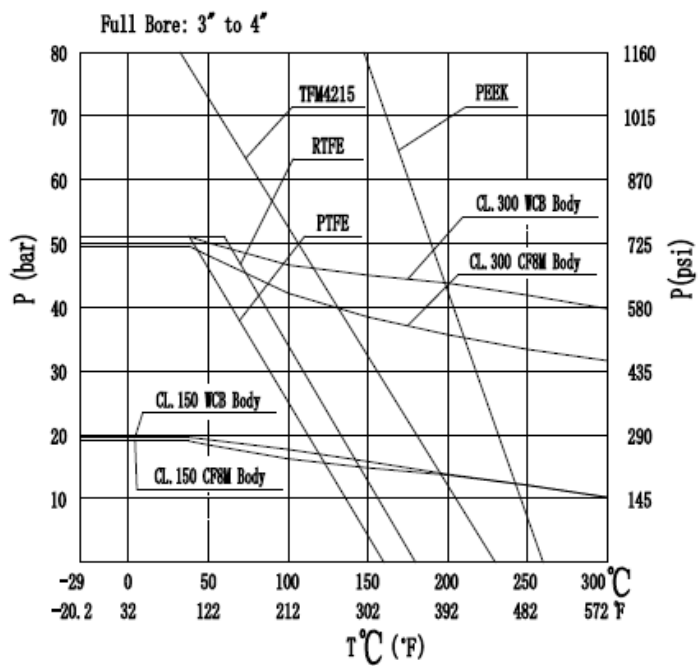
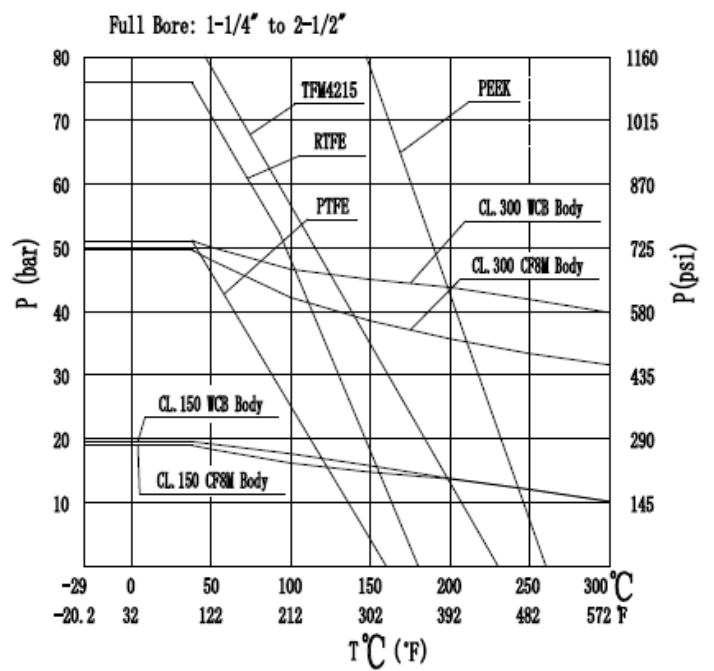
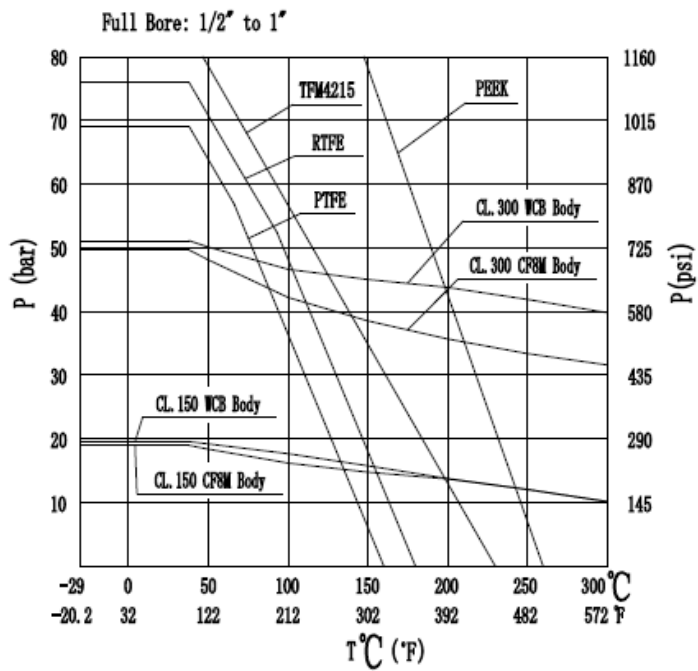


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Floating Ball Valve Pressure Temperature Curve

Floating Ball Valve Class 150/300



This chart is for reference only. Performance may be affected by other application parameters.