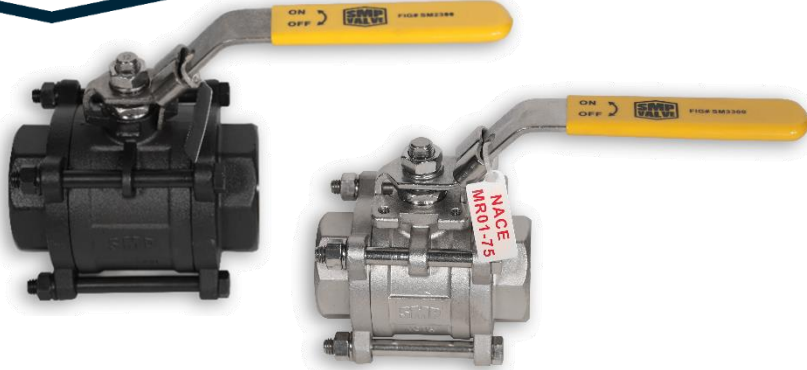




3-PC. SOCKET WELD END BALL VALVE

SM2300CSG/SM3300SSG



FEATURES

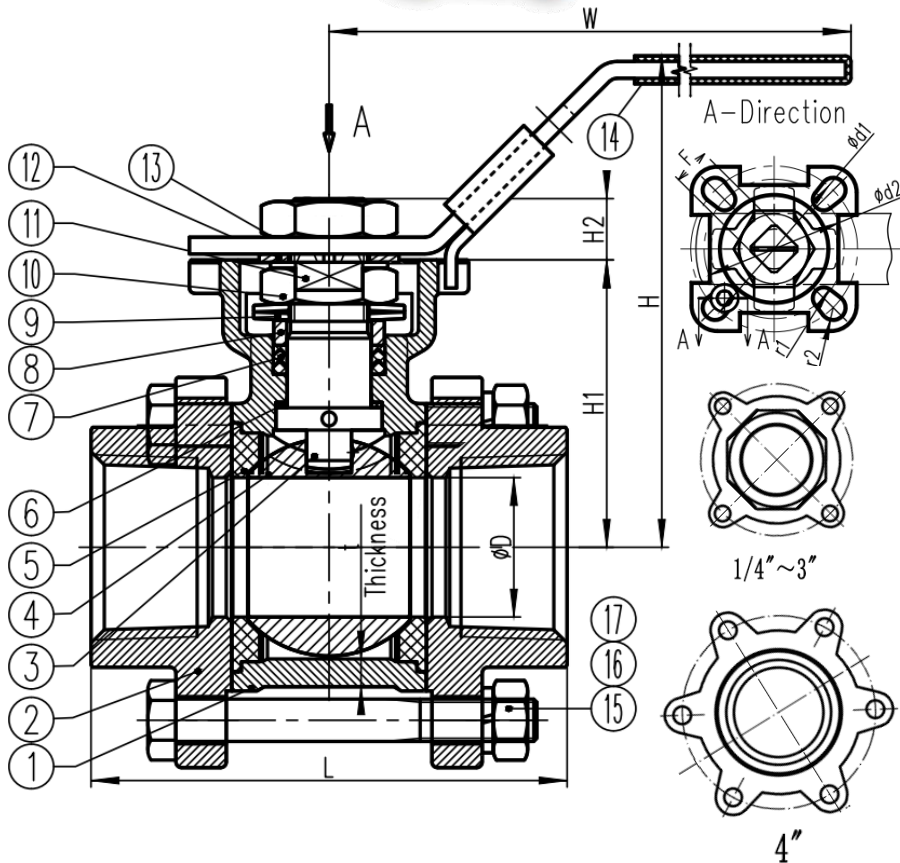
- Full Port 1/4" through 4"
- 1000 WOG (1/4" - 2"), 800 WOG (2 1/2" - 4")
- Working Temperature -20° F through 302°F
- Blow-out Proof Stem
- Locking Device
- Mounting Pad
- SM2300CSG: A216-WCB • SM3300SS: A351-CF8M

SPECIFICATIONS

- Socket Weld Ends Conform to ASME/ANSI B16.11
- API-598 Pressure tested
- NACE MR-0175 STANDARD

Materials of Construction

Item	Part	Material Spec	
1	BODY	ASTM A216 WCB	ASTM A351 CF8M
2	CAP		
3	STEM	A276-316	
4	BALL	A182-F316	
5	SEAT	PTFE+15%GF	
6	GASKET	PTFE	
7	STEM PACKING	PTFE	
8	PACKING GLAND	A182-304	
9	SPRING WASHER	A240-301	
10	NUT	304	
11	LOCKING WASHER	A240-304	
12	WASHER	A240-304	
13	HANDLE	A240-304	
14	HANDLE SLEEVE	PVC	
15	NUT	A2-70	
16	BOLT	A2-70	
17	SPRING WASHER	A276-304	
18	SCREW	A2-70	
19	WASHER	A240-304	
20	NUT	A2-70	



Dimensions (Inches)

NPS	L	D	W	H	H1	H2	F	t	d1	d2	r1	r2	ISO	Torque (in-lb)	Cv	Weight (lb)
1/4"	2.52	0.43	4.40	2.51	1.63	0.33	0.35	0.16	1.41	1.65	0.12	0.12	F03/F04	35	10	0.62
3/8"	2.52	0.49	4.40	2.51	1.63	0.33	0.35	0.16						44	10	1.21
1/2"	2.83	0.59	5.55	2.95	1.59	0.35	0.35	0.16						71	12	1.53
3/4"	3.15	0.78	5.55	3.03	1.69	0.35	0.35	0.17						71	35	1.91
1"	3.34	0.98	6.38	3.54	2.02	0.43	0.43	0.19	1.65	1.97	0.12	0.13	F04/F05	133	60	2.84
1-1/4"	4.13	1.26	6.38	3.70	2.20	0.43	0.43	0.20						150	10	4.40
1-1/2"	4.45	1.49	7.40	4.25	2.71	0.55	0.55	0.23	1.97	2.75	0.13	0.17	F05/F07	212	150	6.42
2"	5.20	1.97	7.40	4.60	3.05	0.55	0.55	0.26						310	250	9.40
2-1/2"	6.70	2.56	8.85	5.78	3.93	0.75	0.67	0.27	2.75	4.01	0.17	0.21	F07/F10	531	620	18.9
3"	7.34	2.99	8.85	6.18	4.33	0.75	0.67	0.28						708	938	26.4
4"	8.91	3.70	12.60	7.40	5.39	0.86	0.86	0.31						974	1466	49.9

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.

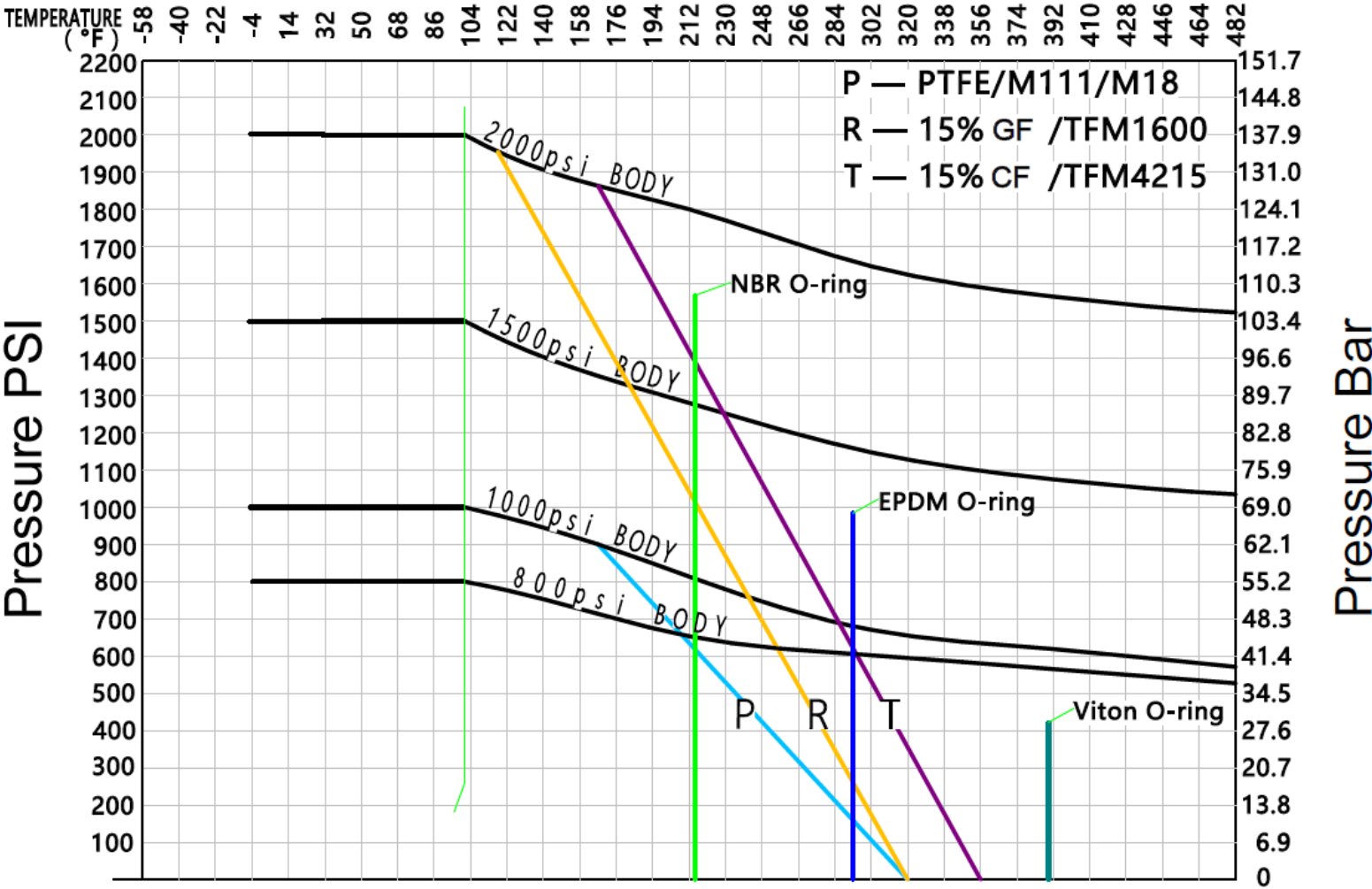


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Ball Valve Pressure Temperature Curve 019-1.1



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