

Bronze Ball Valves

Two-Piece Body • Full Port 1/4"-1" • Conventional Port 1 1/4"-3" •
Stainless Trim • Blowout-Proof Stem • Vented Ball

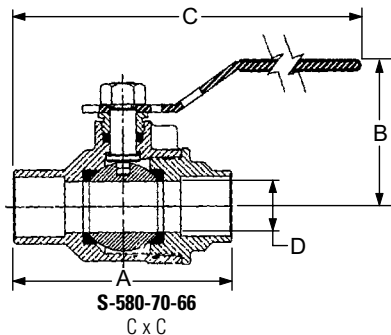
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam ♦

CONFORMS TO MSS SP-110

MATERIAL LIST

PART	SPECIFICATION
1. Handle Nut	Stainless Steel 300 Series
2. Handle	Zinc Plated Steel Clear Chromate Plastisol Coated
3. Threaded Pack Gland	Brass ASTM B 16 Alloy C36000
4. Packing	PTFE
5. Stem	Stainless Steel ASTM A 276 Type 316
6. Thrust Washer	Reinforced PTFE
7. Ball (Vented)	Stainless Steel ASTM A 276 Type 316 or ASTM A 351 Type CF8M
8. Seat Ring (2)	Reinforced PTFE
9. Body	Bronze ASTM B 584 Alloy C84400
10. Body End Piece	Bronze ASTM B 584 Alloy C84400

1/4" size only has a 304 stainless steel grounding washer.



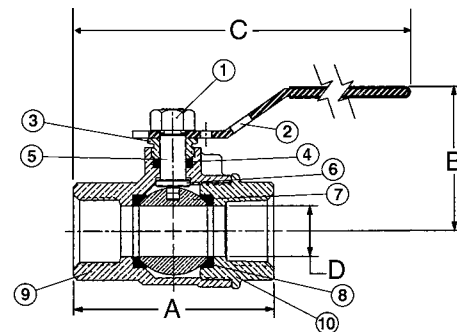
T-580-70-66

Threaded



S-580-70-66

Solder



DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions

Size	T-580-70-66		S-580-70-66		T-580-70-66		S-580-70-66		Master	
	A	B	C	D	A	B	C	D	Lbs.	Kg.
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	Lbs.	Kg.
† 1/4	8 2.00 51	1.75 44	5.00 127	4.75 121	.38 10	.45 21	.42 19	100		
† 3/8	10 2.00 51	1.84 47	5.00 127	4.81 122	.38 10	.45 21	.42 19	100		
† 1/2	15 2.44 62	2.56 65	5.19 132	5.25 133	.50 13	.64 29	.60 27	100		
† 3/4	20 2.94 75	3.25 83	6.25 159	6.25 159	.75 19	1.33 60	1.27 58	50		
† 1	25 3.34 85	3.75 95	6.44 164	6.63 168	1.00 25	1.79 81	1.72 78	40		
1 1/4	32 3.94 100	4.00 102	6.75 171	6.75 171	1.00 25	2.33 1.06	1.94 .88	20		
1 1/2	40 4.31 109	4.44 113	8.88 226	9.00 229	1.25 32	3.49 1.58	3.10 1.40	20		
2	50 4.63 118	5.50 140	9.06 230	9.50 241	1.50 38	5.16 2.34	4.67 2.12	10		
2 1/2	65 5.84 148	7.28 185	9.66 245	10.38 264	2.00 51	8.98 4.07	8.92 4.04	6		
3	80 7.09 180	8.78 223	11.53 293	12.38 314	2.50 64	17.38 7.88	16.59 7.52	4		

† NIBCO supplies Full Port T or S-585-70-66 on this size.

Note: Solder end is designed to be soft-soldered into lines using solders with the melting point not exceeding 500°F.
Higher temperature solders will damage the seat material. See installation sheet packaged with valves.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 41.