

Bronze Ball Valves

Three-Piece Body • Full Port 1/4"-1" • Conventional Port 1 1/4"-3" •
316SS Trim • Blowout-Proof Stem • Vented Ball

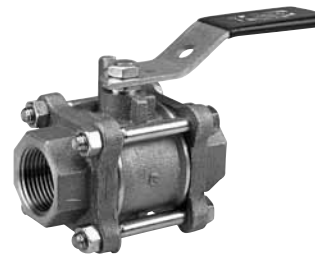
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam ◆

CONFORMS TO MSS SP-110

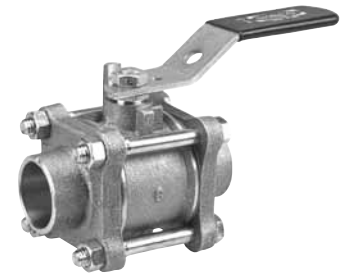
MATERIAL LIST

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. Stem	Stainless Steel ASTM A 276 Type 316
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	PTFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	PTFE
10. Ball (Vented)	Stainless Steel ASTM A 276 Type 316 or ASTM A 351 Type CF8M
11. Thrust Washer	Reinforced PTFE
12. Body Bolts	Zinc Dichromate Plated Steel ASTM A 449 Grade 5
13. Body Nuts	Zinc Dichromate Plated Steel ASTM A 449 Grade 5

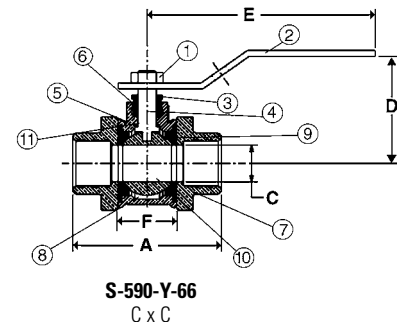
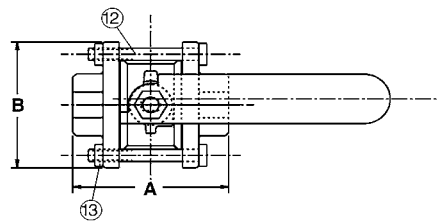
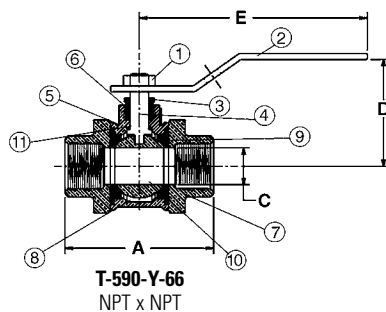
Note: Valves are static grounded by a grounding washer. (Not Shown)



T-590-Y-66
Threaded



S-590-Y-66
Solder



DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions														
Size	T-590-Y-66			S-590-Y-66			S-590-Y-66			S-590-Y-66			Master Ctn. Qty.	
	A	B	C	A	B	C	F	T-590-Y-66	S-590-Y-66	S-590-Y-66	S-590-Y-66	S-590-Y-66		
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	Lbs. Kg.	Lbs. Kg.	Lbs. Kg.	Lbs. Kg.	Lbs. Kg.		
† 1/4	8 2.50 64	1.69 43	1.81 46	.38 10	1.69 43	3.91 99	1.13 29	1.03 .47	.89 .40	.40	.40	.40	50	
† 1/2	10 2.50 64	1.81 46	1.81 46	.38 10	1.69 43	3.91 99	1.13 29	.98 .44	.89 .40	.40	.40	.40	50	
† 3/4	15 2.50 64	2.06 52	1.81 46	.50 13	1.69 43	3.91 99	1.13 29	1.03 .47	.89 .40	.40	.40	.40	50	
† 1	20 3.00 76	2.94 75	1.94 49	.75 19	2.00 51	4.66 118	1.44 37	1.70 .77	1.59 .72	.30	.30	.30	30	
† 1 1/4	25 3.69 94	3.66 93	2.50 64	1.00 25	2.25 57	4.66 118	1.84 47	2.82 1.28	2.55 1.15	.20	.20	.20	20	
† 1 1/2	32 3.69 94	3.84 98	2.50 64	1.00 25	2.25 57	4.66 118	1.88 48	2.65 1.20	2.38 1.08	.20	.20	.20	20	
† 2	40 4.09 104	4.25 108	2.69 68	1.25 32	2.75 70	6.69 170	2.03 52	3.77 1.71	3.42 1.55	.10	.10	.10	10	
† 2 1/2	50 4.81 122	5.25 133	3.00 76	1.50 38	2.97 75	6.69 170	2.56 65	5.78 2.62	5.31 2.41	.10	.10	.10	10	
† 3	65 6.16 157	6.12 155	4.00 102	2.00 51	3.63 92	6.69 170	3.19 81	10.75 4.88	9.92 4.50	.4	.4	.4	4	
† 3 1/2	80 6.84 174	7.44 189	5.00 127	2.50 64	4.09 104	8.00 203	4.13 105	19.14 8.68	17.93 8.13	.2	.2	.2	2	

†NIBCO supplies full port T or S-595-Y-66 on this size.

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