

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

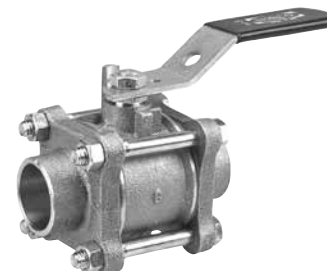
PART	SPECIFICATION
1. Handle Nut	Stainless Steel 300 Series
2. Handle	Zinc Plated Steel Clear Chromate Plastisol Coated
3. Threaded Pack Gland	Brass ASTM B 16 Alloy C36000
4. Stem	Stainless Steel ASTM A 276 Type 316
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	PTFE
7. Body End (2)	Bronze ASTM B 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)



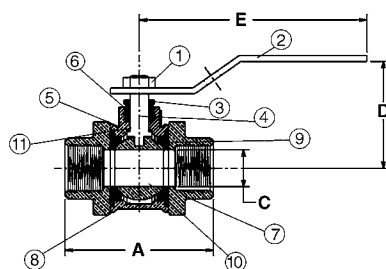
T-590-Y-66

Threaded

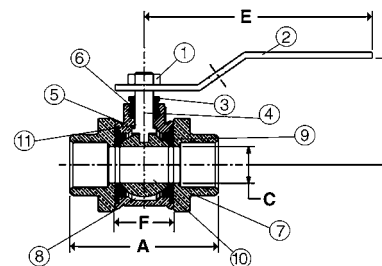
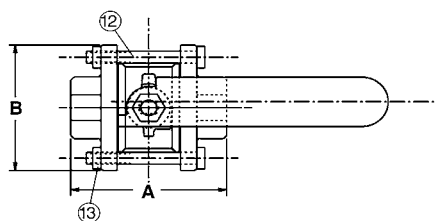


S-590-Y-66

Solder



T-590-Y-66
NPT x NPT



S-590-Y-66
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions																			
Size		T-590-Y-66		S-590-Y-66								S-590-Y-66							
In.	mm.	In.	mm.	In.	mm.	B	C	D	E	F	T-590-Y-66	S-590-Y-66	Master						
						In.	In.	In.	In.	In.	Lbs.	Lbs.	Ctn.					Qty.	
†1/4	8	2.50	64	1.69	43	1.81	.38	1.69	3.91	1.13	1.03	.89						50	
†3/8	10	2.50	64	1.81	46	1.81	.38	1.69	3.91	1.13	.98	.44						50	
†1/2	15	2.50	64	2.06	52	1.81	.50	1.69	3.91	1.13	1.03	.47						50	
†3/4	20	3.00	76	2.94	75	1.94	.75	2.00	4.66	1.44	1.70	.77						30	
†1	25	3.69	94	3.66	93	2.50	1.00	2.25	4.66	1.84	2.82	1.28						20	
1 1/4	32	3.69	94	3.84	98	2.50	1.00	2.25	4.66	1.88	2.65	1.20						20	
1 1/2	40	4.09	104	4.25	108	2.69	1.25	2.75	70	2.03	3.77	1.71						10	
2	50	4.81	122	5.25	133	3.00	1.50	38	2.97	2.56	5.78	2.62						10	
2 1/2	65	6.16	157	6.12	155	4.00	2.00	51	3.63	3.19	81	10.75						4	
3	80	6.84	174	7.44	189	5.00	2.50	64	4.09	4.13	105	19.14						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 42.

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