

Bronze Ball Valves

Three-Piece Body • Full Port 1/4"-1" • Conventional Port 1 1/4"-3" •
Bronze Trim • Blowout-Proof Stem

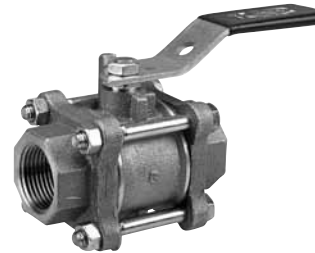
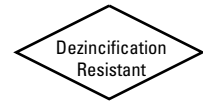
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam ◆

CONFORMS TO MSS SP-110

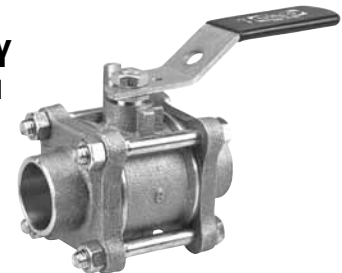
MATERIAL LIST

PART	SPECIFICATION
1. Handle Nut	Zinc Plated Steel
2. Handle	Zinc Plated Steel Clear Chromate Plastisol Coated
3. Threaded Pack Gland	Brass ASTM B 16 Alloy C36000
4. Stem	Silicon Bronze ASTM B 371 Alloy C69430 or ASTM B 99 Alloy C65100
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	Brass ASTM B 124 Alloy C37700 or ASTM B16 Alloy C36000 EACH with Hard Chrome Plate
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

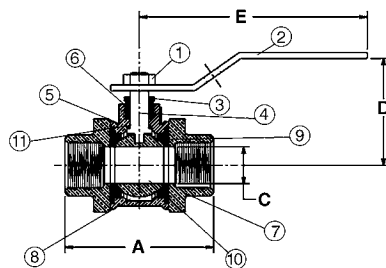
Note: Valves are static grounded by grounding washer. (Not Shown)



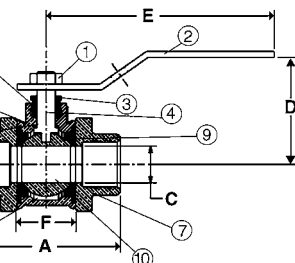
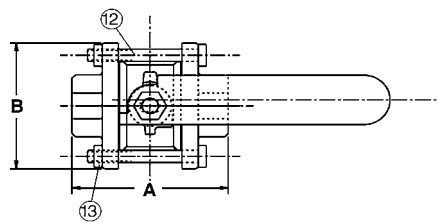
T-590-Y
Threaded



S-590-Y
Solder



T-590-Y
NPT x NPT



S-590-Y
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions																			
Size		T-590-Y		S-590-Y								S-590-Y						Master	
		A		A		B		C		D		E		F		T-590-Y	S-590-Y		
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty.	
† ¼	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	50
† ⅜	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	50
† ½	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	50
† ¾	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
† 1	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
1 ¼	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
1 ½	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
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
2 ½	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
3	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

†NIBCO supplies full port T or S-590-Y on this size.

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