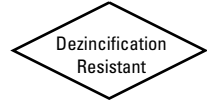


Bronze Ball Valves

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



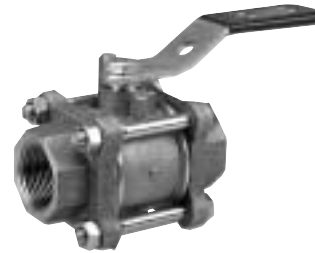
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam*

CONFORMS TO MSS SP-110

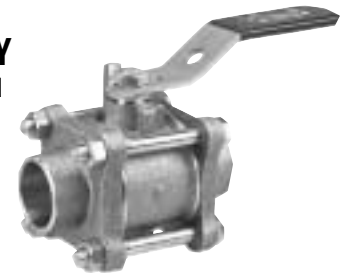
MATERIAL LIST

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 C69400 or ASTM B 99 Alloy C65100
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
11. Thrust Washer	Reinforced TFE
12. Body Bolts	Zinc Dichromate Plated Steel ASTM A 449 Grade 5
13. Body Nuts	Zinc Dichromate Plated Steel ASTM A 449 Grade 5

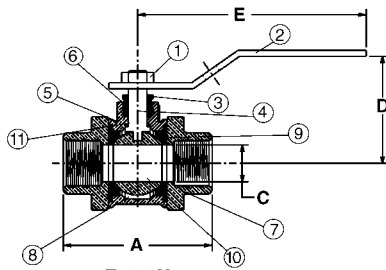
Note: Valves are static grounded by grounding washer. (Not Shown)



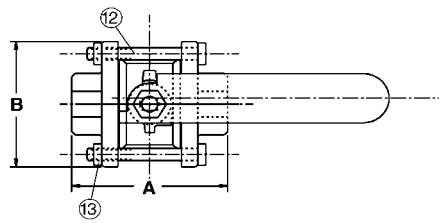
T-590-Y
Threaded



S-590-Y
Solder



T-590-Y
NPT x NPT



S-590-Y
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions

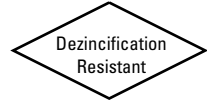
Size	T-590-Y		S-590-Y		B		C		D		E		S-590-Y		F		T-590-Y		S-590-Y		Master Ctn. Qty.
	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.			
+1/4	8	2.50	64	1.69	43	1.81	46	.38	10	1.69	43	3.91	99	1.13	29	1.03	.47	.89	.40	50	
+3/8	10	2.50	64	1.81	46	1.81	46	.38	10	1.69	43	3.91	99	1.13	29	.98	.44	.89	.40	50	
+1/2	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	
+3/4	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 1/4	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 1/2	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	
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 1/2	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-595-Y on this size.

* For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

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

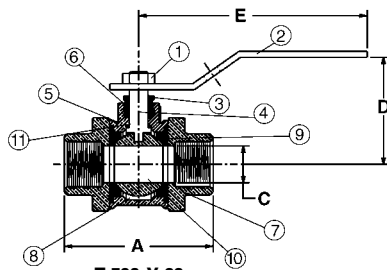
Note: Valves are static grounded by a grounding washer. (Not Shown)



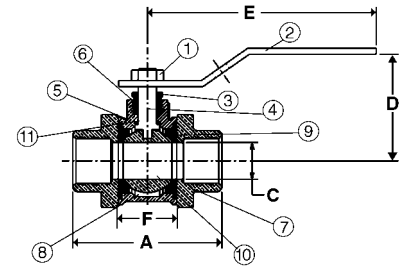
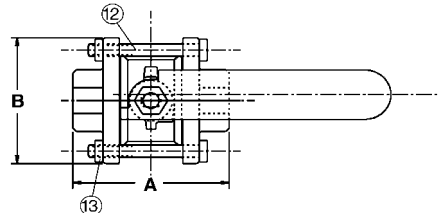
T-590-Y-66
Threaded



S-590-Y-66
Solder



T-590-Y-66
NPT x NPT



S-590-Y-66
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

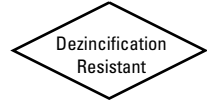
Size	Dimensions														T-590-Y-66 Lbs.	T-590-Y-66 Kg.	S-590-Y-66 Lbs.	S-590-Y-66 Kg.	Master Ctn. Qty.	
	T-590-Y-66 A		S-590-Y-66 A		B	C	D	E	F											
	In.	mm.	In.	mm.						In.	mm.	In.	mm.	In.						mm.
1/4	8	2.50	64	1.69	43	1.81	46	.38	10	1.69	43	3.91	99	1.13	29	1.03	.47	.89	.40	50
3/8	10	2.50	64	1.81	46	1.81	46	.38	10	1.69	43	3.91	99	1.13	29	.98	.44	.89	.40	50
1/2	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
3/4	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 1/4	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 1/2	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
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 1/2	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-66 on this size.

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port 1/4"-1" • Conventional Port 1 1/4"-3" •
UL Listed for Flammable Liquids and LP Gas • Blowout-Proof Stem



250 PSI/17.2 Bar Non-Shock LP Gas per UL842

CONFORMS TO MSS SP-110 • UL842

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 C69400 or ASTM B 99 Alloy C65100
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
11. Thrust Washer	Reinforced TFE
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)

UL Listed For:

YSDT LP gas shut-off
YQNZ Compressed gas shut-off
YRPV Gas shut-off
YRBX Flammable liquid shut-off
MHKZ Manual valves

CUL Listed For:

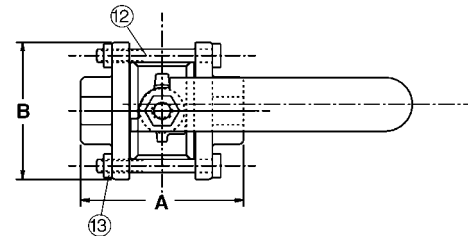
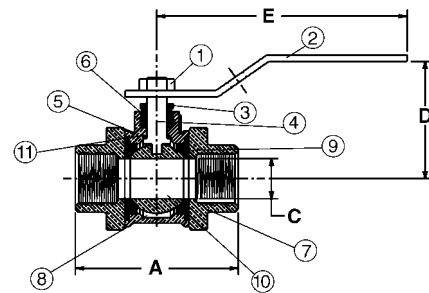
YSDT7 LP gas shut-off for Canada

Service

A - Air or non-toxic, non-flammable gas
G - City gas supplied by public utilities
GA - Gasoline
LP - Liquefied petroleum gas, 250 PSI max.
02 - No. 1 and 2 fuel oil
04 - No. 4 fuel oil
05 - No. 5 fuel oil
06 - No. 6 fuel oil



T-590-Y-UL
Threaded



T-590-Y-UL
T-595-Y-UL
NPT x NPT

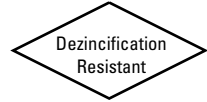
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										T-590-Y-UL		Master Ctn. Qty.
	A	B	C	D	E	Lbs.	Kg.						
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.								
† 1/4 8	2.50 64	1.81 46	.38 10	1.06 27	3.90 99	.94	.43	50					
† 3/8 10	2.50 64	1.81 46	.38 10	1.06 27	3.90 99	.94	.43	50					
† 1/2 15	2.50 64	1.81 46	.50 13	1.06 27	3.90 99	1.01	.47	50					
† 3/4 20	3.00 76	1.94 49	.75 19	2.00 51	4.66 118	1.73	.79	30					
† 1 25	3.69 94	2.50 64	1.00 25	2.25 57	4.66 118	2.75	1.25	20					
1 1/4 32	3.69 94	2.50 64	1.00 25	2.25 57	4.66 118	2.65	1.20	20					
1 1/2 40	4.09 104	2.69 68	1.25 32	2.75 70	6.69 170	3.77	1.71	10					
2 50	4.56 116	3.00 76	1.50 38	2.97 75	6.69 170	5.78	2.62	10					
2 1/2 65	6.16 156	4.00 102	2.00 51	3.63 92	6.69 170	10.75	4.88	4					
3 80	6.90 175	5.00 127	2.50 64	4.09 104	8.00 203	19.14	8.68	2					

†NIBCO supplies full port T-595-Y-UL on this size.

Bronze Ball Valves

Three-Piece Body • Conventional Port • Grooved Ends •
Bronze Trim • Blowout-Proof Stem



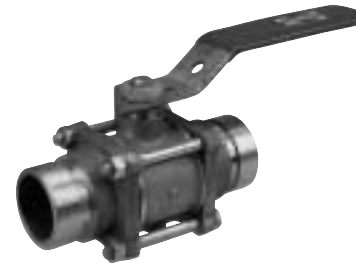
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam♦

CONFORMS TO MSS SP-110

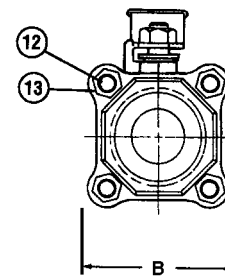
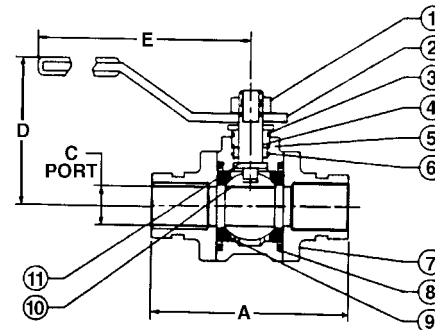
MATERIAL LIST

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 C69400 or ASTM B 99 Alloy C65100
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
11. Thrust Washer	Reinforced TFE
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)



G-590-Y
Grooved



G-590-Y
GRVD x GRVD

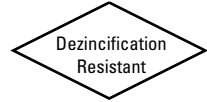
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions					G-590-Y		Master Ctn. Qty.
	A	B	C	D	E	Lbs.	Kg.	
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.			
1½ 40	5.37 144	2.37 68	1.25 32	2.75 70	6.69 170	4.20	1.91	10
2 50	5.87 149	3.00 76	1.50 38	2.97 75	6.69 170	6.14	2.79	10
2½ 65	6.64 169	4.00 102	2.00 51	3.62 92	6.69 170	10.80	4.91	4
3 80	7.78 198	5.00 127	2.50 64	4.09 104	6.69 170	19.01	8.64	2

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Conventional Port • Grooved Ends •
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

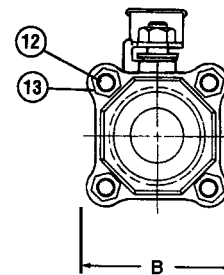
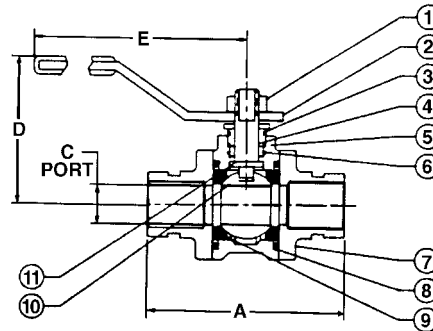
MATERIAL LIST

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	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball (Vented)	Stainless Steel ASTM A 276 Type 316 or ASTM A 351 Type CF8M
11. Thrust Washer	Reinforced TFE
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)



G-590-Y-66
Grooved



G-590-Y-66
GRVD x GRVD

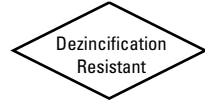
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions						G-590-Y-66	Master	
	A	B	C	D	E	Lbs.			Kg.
1½	40	5.37 144	2.37 68	1.25 32	2.75 70	6.69 170	4.20	1.91	10
2	50	5.87 149	3.00 76	1.50 38	2.97 75	6.69 170	6.14	2.79	10
2½	65	6.64 169	4.00 102	2.00 51	3.62 92	6.69 170	10.80	4.91	4
3	80	7.78 198	5.00 127	2.50 64	4.09 104	6.69 170	19.01	8.64	2

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port • Bronze Trim • Blowout-Proof Stem



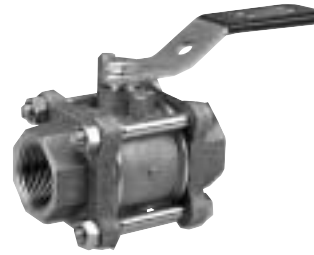
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam♦

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 C69400 or ASTM B 99 Alloy C65100
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
11. Thrust Washer	Reinforced TFE
12. Body Bolts	Zinc Dichromate Plated Steel ASTM A 449 Grade 5
13. Body Nuts	Zinc Dichromate Plated Steel ASTM A 449 Grade 5

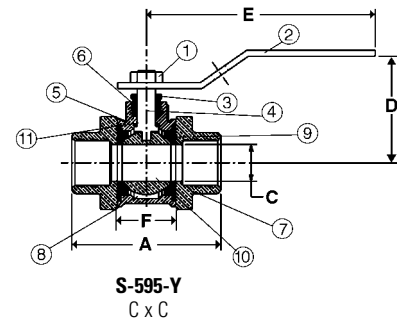
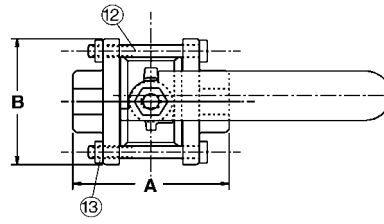
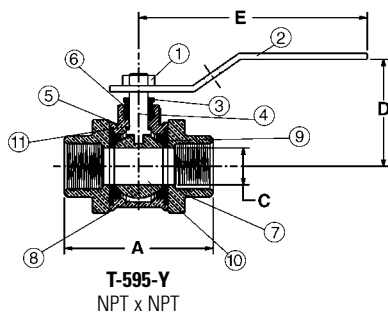
Note: Valves are static grounded by a grounding washer. (Not Shown)



T-595-Y
Threaded



S-595-Y
Solder



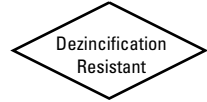
DIMENSIONS—WEIGHTS—QUANTITIES

Size	T-595-Y		S-595-Y		Dimensions								S-595-Y		T-595-Y	S-595-Y	Master Ctn. Qty.			
	A	A	A	A	B	C	D	E	F	Lbs.	Kg.	Lbs.	Kg.							
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	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	50
3/8	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
1/2	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
3/4	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 1/4	32	4.09	104	3.91	99	2.69	68	1.25	32	2.75	70	6.69	170	1.97	50	3.96	1.80	3.61	1.64	10
1 1/2	40	4.56	116	4.60	117	3.00	76	1.50	38	2.97	75	6.69	170	2.38	60	5.68	2.57	5.31	2.41	10
2	50	6.16	156	5.78	147	4.00	102	2.00	51	3.63	92	6.69	170	3.06	78	11.40	5.17	10.60	4.81	4
2 1/2	65	6.84	174	6.94	176	5.00	127	2.50	64	4.09	104	8.00	203	4.00	102	21.07	9.56	19.30	8.75	2

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port • 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

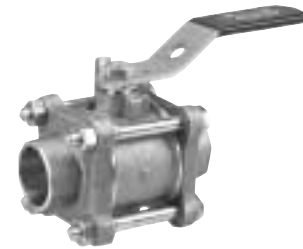
MATERIAL LIST

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

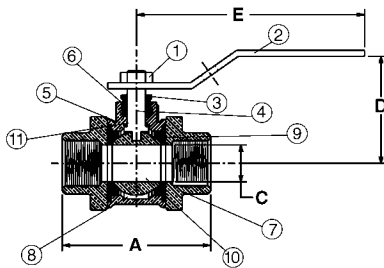
Note: Valves are static grounded by a grounding washer. (Not Shown)



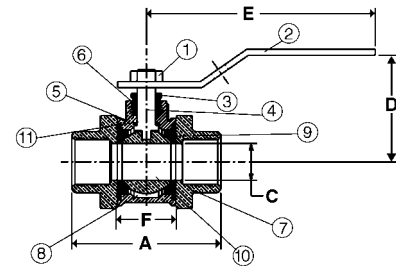
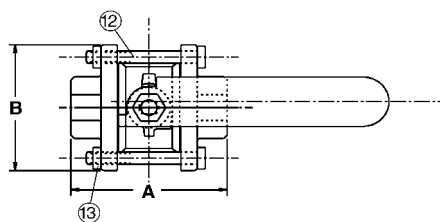
T-595-Y-66
Threaded



S-595-Y-66
Solder



T-595-Y-66
NPT x NPT



S-595-Y-66
C x C

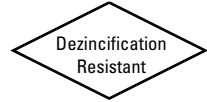
DIMENSIONS—WEIGHTS—QUANTITIES

Size	T-595-Y-66		S-595-Y-66		Dimensions								T-595-Y-66		S-595-Y-66		Master Ctn. Qty.			
	A	A	A	A	B	C	D	E	F	F	F	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	50
3/8	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
1/2	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
3/4	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 1/4	32	4.09	104	3.91	99	2.69	68	1.25	32	2.75	70	6.69	170	1.97	50	3.96	1.80	3.61	1.64	10
1 1/2	40	4.56	116	4.60	117	3.00	76	1.50	38	2.97	75	6.69	170	2.38	60	5.68	2.57	5.31	2.41	10
2	50	6.16	156	5.78	147	4.00	102	2.00	51	3.63	92	6.69	170	3.06	78	11.40	5.17	10.60	4.81	4
2 1/2	65	6.84	174	6.94	176	5.00	127	2.50	64	4.09	104	8.00	203	4.00	102	21.07	9.56	19.30	8.75	2

♦ For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port • Thread x Solder End Connections •
Blowout-Proof Stem



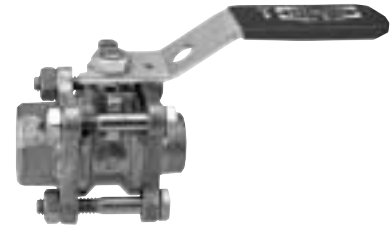
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam*

CONFORMS TO MSS SP-110

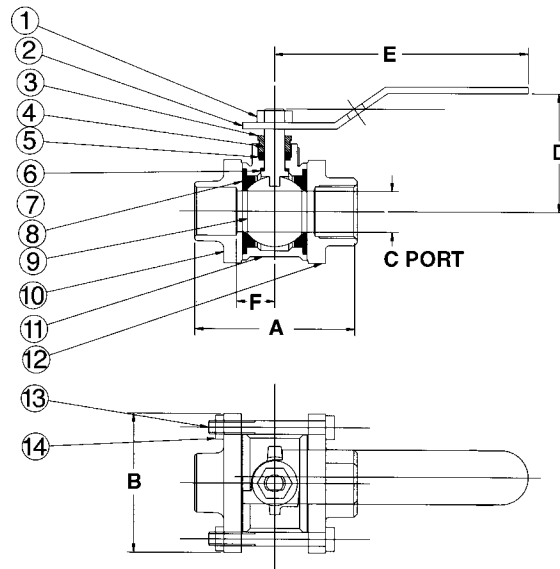
MATERIAL LIST

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 C69400 or ASTM B 99 Alloy C65100
5. Packing	TFE
6. Thrust Washer	Reinforced TFE
7. O-Ring Seal (2)	Fluorocarbon Rubber
8. Seat Ring (2)	TFE
9. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
10. Solder Body End	Cast Bronze ASTM B 584 Alloy C84400
11. Body	Bronze ASTM B 584 Alloy C84400
12. Threaded Body End	Bronze ASTM B 584 Alloy C84400
13. Body Bolts (4)	Zinc Dichromate Plated Steel ASTM A 449 Grade 5
14. Body Nuts (4)	Zinc Dichromate Plated Steel

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



TS-595-Y
Threaded x Solder



TS-595-Y
NPT x NPT

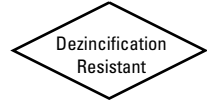
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions						TS-595-Y	Box	Master								
	A	B	C	D	E	F				Lbs.	Kg.	Qty.	Ctn. Qty.				
1/4	8	2.09	53	1.81	46	.38	10	1.69	43	3.90	99	.56	14	.94	.43	5	50
3/8	10	2.16	55	1.81	46	.38	10	1.69	43	3.90	99	.56	14	.94	.43	5	50
1/2	15	2.28	58	1.81	46	.50	13	1.69	43	3.90	99	.56	14	1.01	.47	5	50
3/4	20	2.97	75	1.94	49	.75	19	2.00	51	4.66	118	.72	18	1.73	.79	5	30
1	25	3.67	93	2.50	64	1.00	25	2.25	57	4.66	118	.92	23	2.75	1.25	5	20
1 1/4	32	3.97	101	2.69	68	1.25	32	2.75	70	6.69	170	.98	24	3.90	1.77	2	10
1 1/2	40	4.57	116	3.00	76	1.50	38	2.97	75	6.69	170	1.19	30	5.50	2.49	2	10
2	50	5.97	152	4.00	102	2.00	51	3.63	92	6.69	170	1.54	39	10.27	4.66	2	4

* For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port • Grooved End • Bronze Trim • Blowout-Proof Stem



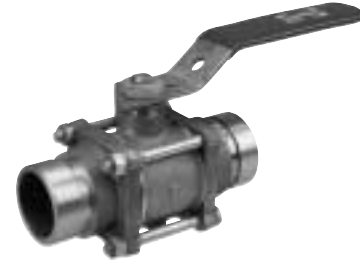
600 PSI/41.4 Bar Non-Shock Cold Working Pressure
150 PSI/10.3 Bar Saturated Steam*

CONFORMS TO MSS SP-110

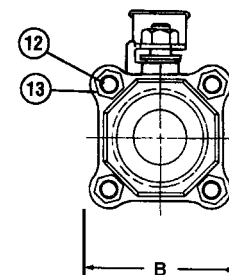
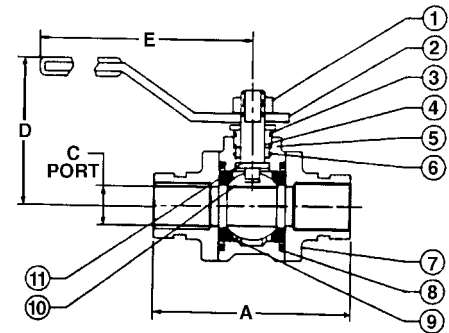
MATERIAL LIST

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 C69400 or ASTM B 99 Alloy C65100
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
11. Thrust Washer	Reinforced TFE
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)



G-595-Y
Grooved



G-595-Y
GRVD x GRVD

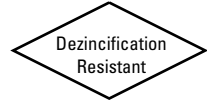
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions					G-595-Y		Master Ctn. Qty.						
	A	B	C	D	E	Lbs.	Kg.							
1½	40	5.87	149	3.00	76	1.50	38	2.97	75	6.69	170	6.02	2.73	10
2	50	6.64	169	4.00	102	2.00	51	3.63	92	6.69	170	10.48	4.76	4
2½	65	7.78	198	5.00	127	2.50	64	4.09	104	8.00	203	18.30	8.30	2

* For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port • Grooved End • 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

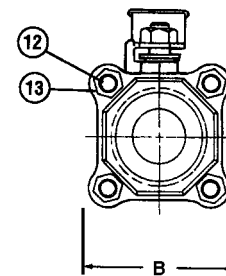
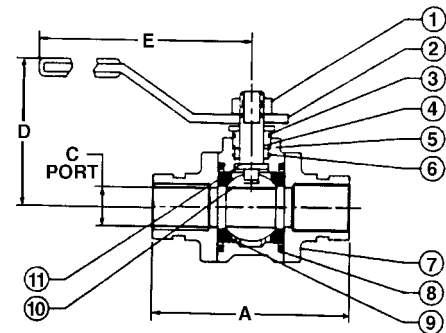
MATERIAL LIST

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	TFE
7. Body End (2)	Cast Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball (Vented)	Stainless Steel ASTM A 276 Type 316 or ASTM A 351 Type CF8M
11. Thrust Washer	Reinforced TFE
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)



G-595-Y-66
Grooved



G-595-Y-66
GRVD x GRVD

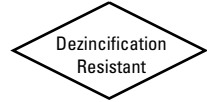
DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions					G-595-Y-66		Master Ctn. Qty.
	A	B	C	D	E	Lbs.	Kg.	
1½	40	5.87 149	3.00 76	1.50 38	2.97 75	6.69 170	6.02 2.73	10
2	50	6.64 169	4.00 102	2.00 51	3.63 92	6.69 170	10.48 4.76	4
2½	65	7.78 198	5.00 127	2.50 64	4.09 104	8.00 203	18.30 8.30	2

* For detailed Operating Pressure, refer to Pressure Temperature Chart on page 46.

Bronze Ball Valves

Three-Piece Body • Full Port 1/4"-2" • UL Listed for Flammable Liquids and LP Gas • Blowout-Proof Stem



250 PSI/17.2 Bar Non-Shock LP Gas per UL842

CONFORMS TO MSS SP-110 • UL842

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 C69400 or ASTM B 99 Alloy C65100
5. Body	Bronze ASTM B 584 Alloy C84400
6. Packing	TFE
7. Body End (2)	Bronze ASTM B 584 Alloy C84400
8. O-Ring Seal (2)	Fluorocarbon Rubber
9. Seat Ring (2)	TFE
10. Ball	Brass ASTM B 124 Alloy C37700 or ASTM B 16 Alloy C36000 with Hard Chrome Plate
11. Thrust Washer	Reinforced TFE
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)

UL Listed For:

YSDT LP gas shut-off
YQNZ Compressed gas shut-off
YRPV Gas shut-off
YRBX Flammable liquid shut-off
MHKZ Manual valves

Service

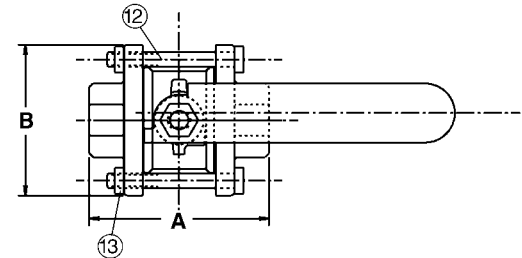
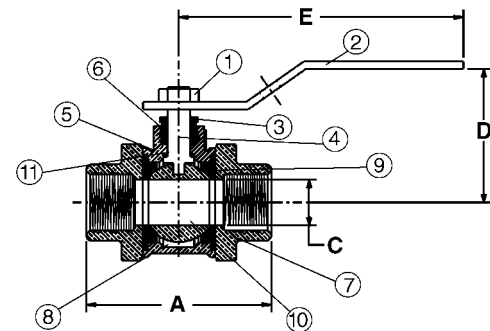
A - Air or non-toxic, non-flammable gas
G - City gas supplied by public utilities
GA - Gasoline
LP - Liquefied petroleum gas, 175 PSI max.
02 - No. 1 and 2 fuel oil
04 - No. 4 fuel oil
05 - No. 5 fuel oil
06 - No. 6 fuel oil

CUL Listed For:

YSDT7 LP gas shut-off for Canada



T-595-Y-UL
Threaded



T-595-Y-UL
NPT x NPT

DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										T-595-Y-UL		Master Ctn. Qty.
	A	B	C	D	E	Lbs.	Kg.						
In. mm.	In. mm.	In. mm.	In. mm.	In. mm.	In. mm.								
1/4 8	2.50 64	1.81 46	.38 10	1.69 43	3.90 99	.94	.43	50					
3/8 10	2.50 64	1.81 46	.38 10	1.69 43	3.90 99	.94	.43	50					
1/2 15	2.50 64	1.81 46	.50 13	1.69 43	3.90 99	1.01	.47	50					
3/4 20	3.00 76	1.94 49	.75 19	2.00 51	4.66 118	1.73	.79	30					
1 25	3.69 94	2.50 64	1.00 25	2.25 57	4.66 118	2.75	1.25	20					
1 1/4 32	4.09 104	2.69 68	1.25 32	2.75 70	6.69 170	3.90	1.77	10					
1 1/2 40	4.56 116	3.00 76	1.50 38	2.97 75	6.69 170	5.50	2.49	10					
2 50	6.16 156	4.00 102	2.00 51	3.63 92	6.69 170	10.27	4.66	4					