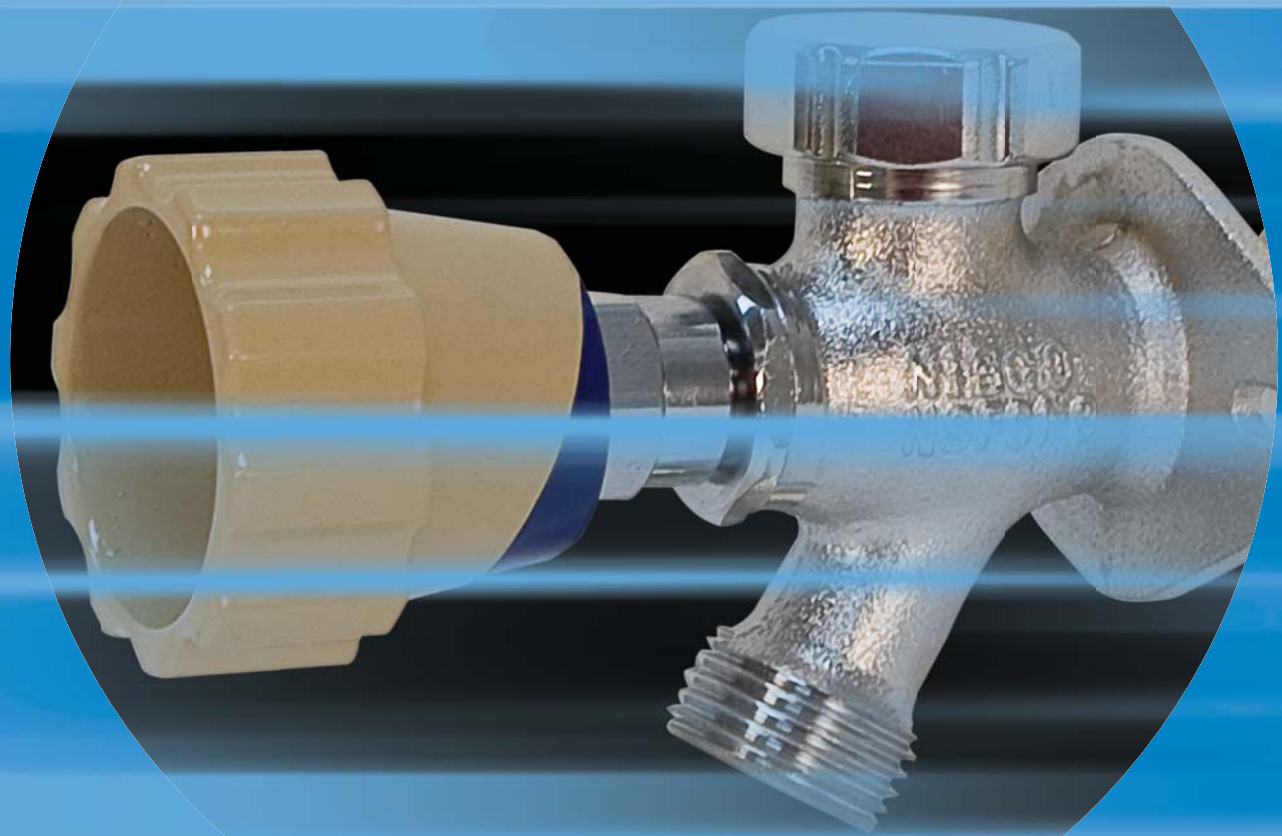


# NIBCO®

AHEAD OF THE FLOW®



Plumbing Specialty Products

# Business-to-Business Solutions

Look to NIBCO for technology leadership.

The velocity with which e-business evolves demands that new products and services be continuously developed and introduced to keep our customers at the center of our business efforts. NIBCO provides an entire suite of business-to-business solutions that is changing the way we interact with customers.



[NIBCOpartner.com<sup>SM</sup>](#) is an exclusive set of secure web applications that allow quick access to customer-specific information and online order processing. This self-service approach gives you 24/7 access to your order status putting you in total control of your business.

Real time information includes:

- Online order entry
- Viewable invoices & reports
- Inventory availability
- Current price checks
- Order status
- Online library of price sheets, catalogs & submittals



**Electronic Data Interchange (EDI)** makes it possible to trade business documents at the speed of light. This technology cuts the cost of each transaction by eliminating the manual labor and paperwork involved in traditional order taking. This amounts to cost-savings, increased accuracy and better use of resources.

With EDI, you can trade:

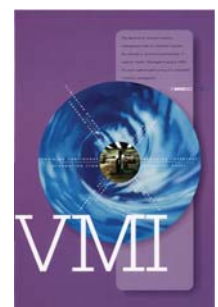
- Purchase orders
- PO Acknowledgements
- Invoices
- Product activity data
- Advanced ship notices
- Remittance advice



**Vendor Managed Inventory (VMI)**, a sophisticated service for automated inventory management, reduces your overhead by transferring inventory management, order entry and forecasting to NIBCO. This is an on-going, interactive partnership with NIBCO.

Through automation, VMI brings results:

- Improves customer service
- Optimum inventory efficiencies
- Better forecasting
- Cuts transaction costs
- Peace of mind
- Relief from day-to-day management





# Table of Contents









Visit our website for the most current information .

	<b>Page</b>
<b>Two Piece Ball Valves</b> .....	<b>4-7</b>
Illustrated Index .....	4
T/S-580-A .....	5
T/S-FP-600-A .....	6
S-FP-600-AD .....	7
<b>Gas Ball Valves, Gas Cocks &amp; Log Lighters</b> .....	<b>8-9</b>
Illustrated Index .....	8
GB1A .....	8
GB2A .....	8
GBVA38M/GBVA12M .....	9
GBVA .....	9
GBVA38FL/GBVA12FL .....	9
<b>PRO-Stop® Supply Stops</b> .....	<b>10-15</b>
Illustrated Index .....	10,11
7120A .....	12
7120APEX .....	12
7120TE .....	12
7140A .....	12
7140AF .....	12
7140SJ .....	12
7150A .....	13
7160A .....	13
7160APEX .....	13
7170A .....	13
7125A .....	13
7125TE .....	13
7145A .....	14
7145ASJ .....	14
7155A .....	14
7155ASJ .....	14
7165A .....	15
7175A .....	15
7145ADX .....	15
<b>Boiler Drains</b> .....	<b>16-17</b>
Illustrated Index .....	16
QT73X .....	17
QT74X .....	17
72 .....	17
73-CL .....	17
74-CL/74-DC .....	17
74-2 .....	17
4464 .....	17
<b>Hose Bibbs &amp; Garden Valves</b> .....	<b>18-19</b>
Illustrated Index .....	18
QT54X .....	19
QT55X .....	19
QT56X .....	19
QT57X .....	19
61 .....	19
<b>Sillcocks</b> .....	<b>20-22</b>
Illustrated Index .....	20
95C .....	21
QT63X .....	22
QT763X .....	22
QT763IX .....	22

	<b>Page</b>
<b>Stop &amp; Stop Waste Valves</b> .....	<b>23-25</b>
Illustrated Index .....	23
75-CL .....	24
76-CL .....	24
725-CL .....	24
726-CL/726-LCL .....	24
4476 .....	24
4776 .....	24
77 .....	25
777 .....	25
777-17 .....	25
<b>Bronze &amp; Brass Gate and Check Valves</b> .....	<b>26-30</b>
Index .....	26
T/S-29 .....	27
TI/SI-8 .....	28
T/S-480 .....	29
TI/SI-3 .....	30
<b>Washer Box &amp; Water Meter Stop Valves</b> .....	<b>31-32</b>
Index .....	31
64/64FC .....	32
64L/64LA .....	32
577-17 .....	32
578-17 .....	32
<b>Plastic Valves</b> .....	<b>33-37</b>
Index .....	33
4660-S/T .....	34
4770 .....	35
4750 - Just Right® .....	36, 37
<b>FaucetLock™</b> .....	<b>38</b>
<b>Low Pressure Valve Handwheel Options</b> .....	<b>39</b>
<b>Metal Connections</b> .....	<b>40,41</b>
<b>Frostproof Sillcock Maintenance &amp; Installation</b> .....	<b>42</b>
<b>Figure Number Comparisons</b> .....	<b>43-45</b>
<b>Warranty</b> .....	<b>46</b>

# Two-Piece Ball Valves & Gas Ball Valves

## Illustrated Index

<p>Two-Piece Brass Ball Valve 400 PSI CWP</p>  <p><b>T or S-580-A</b> Sizes 1/2" thru 2" Threaded or Solder Ends page 5</p>	<p>Two-Piece Brass Ball Valve NSF/ANSI 61 Compliant 600 PSI CWP</p>  <p><b>T or S-FP600-A</b> Sizes 1/2" thru 4" Threaded or Solder Ends page 6</p>	<p>Two-Piece Brass Ball Valve 600 PSI CWP</p>  <p><b>S-FP-600-AD</b> Sizes 1/2" thru 1" Solder Ends page 7</p>
<p>Two-Piece Gas Ball Valve with Lever Handle CSA Certified</p>  <p><b>GB-1A</b> Sizes 3/8" thru 1" Threaded Ends page 8</p>	<p>Two-Piece Gas Ball Valve with Square Head CSA Certified</p>  <p><b>GB-2A</b> Sizes 1/2" thru 3/4" Threaded Ends page 8</p>	<p>Two-Piece Gas Ball Valve with Lever Handle CSA Certified</p>  <p><b>GBVA</b> Sizes 3/8" thru 1/2" Female x Flare page 9</p>
<p>Two-Piece Gas Ball Valve with Lever Handle CSA Certified</p>  <p><b>GBVA38FL/GBVA12FL</b> Sizes 3/8" thru 1/2" Flare x Flare page 9</p>	<p>Two-Piece Gas Ball Valve with Lever Handle CSA Certified</p>  <p><b>GBVA38M/GBVA12M</b> Sizes 3/8" thru 1/2" Flare x Male page 9</p>	

# Brass Ball Valves

Two-Piece Body • Standard Port • Blowout-Proof Stem • PTFE Seats

## 400 PSI/28 Bar Non-Shock Cold Working Pressure

IAPMO LISTED TO cUPC® AND NSF/ANSI 61-8

### MATERIAL LIST

PART	SPECIFICATION
1 Body	Forged Brass <sup>1</sup> CU > 57%
2 End Cap	Forged Brass <sup>1</sup> CU > 57%
3 Ball Seat	PTFE
4 Ball	Brass, Chrome Plated
5 Stem	Brass
6 O-Ring	Fluorocarbon (FKM)
7 Stem Packing	PTFE
8 Packing Nut	Brass
9 Lever Handle	Steel, Plated
10 Lock Washer	Stainless Steel
11 Stem Nut	Stainless Steel

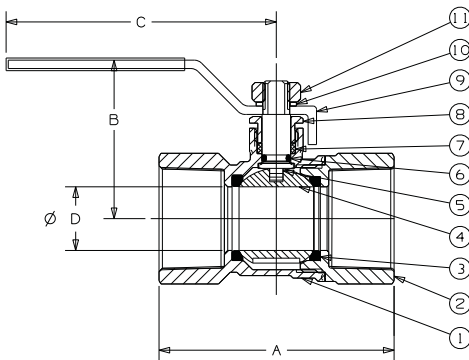
Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.



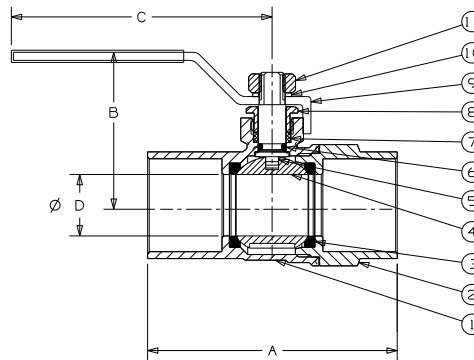
**T-580-A**  
Threaded



**S-580-A**  
Solder



**T-580-A**  
NPT x NPT



**S-580-A**  
C x C

## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										T-580-A Wt.		S-580-A Wt.		Ctn. Qty	
	T-580-A A		S-580-A A		B		C		D Port		Lbs.	Kg.	Lbs.	Kg.		
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Qty
1/2	15	2.16	55	1.95	50	1.58	40	3.74	95	0.39	10	0.36	0.16	0.29	0.13	16
3/4	20	2.19	56	2.50	64	1.79	45	3.74	95	0.59	15	0.48	0.22	0.44	0.20	12
1	25	2.76	70	3.04	77	2.06	52	3.94	100	0.75	19	0.85	0.39	0.71	0.32	6
1 1/4	32	3.13	80	3.49	89	2.54	65	4.50	114	0.98	25	1.14	0.52	1.07	0.49	4
1 1/2	40	3.40	86	3.98	101	2.59	66	5.00	127	1.18	30	1.71	0.78	1.48	0.67	2
2	50	3.73	95	4.76	121	2.95	75	6.18	157	1.46	37	2.41	1.09	2.41	1.09	2

Note: S-580-A series to be soft soldered into lines using solder with the melting point not exceeding 470° F. Use of higher temperature solders may damage the seat material.

# Brass Ball Valves

Two-Piece Body • Full Port • Blowout-Proof Stem • PTFE Seats

**1/4"-2" 600 PSI/41.4 Bar Non-Shock Cold Working Pressure**  
**2 1/2"-4" 400 PSI/27.6 Bar Non-Shock Cold Working Pressure**

CSA CERTIFIED TO ASME B16.44  
AND CR91-002 (THREADED 1/4"-4") • FM APPROVED

- UL LISTED (THREADED 1/4"-4")
- IAPMO LISTED TO NSF/ANSI 61-8

CSA (1/4" - 4"):

- CR91-002: 1/2 psig, 2 psig, and 5 psig (these are specific approved categories)
- ASME B13.44: 125 psig (maximum)
- Temperature is -4° F to 194° F

FM (1/4" - 2"):

- 175wwp (both SFP600A and TFP600A)

UL, Gas and Oil (1/4" - 4"):

- YQNZ, Compressed Gas Shutoff Valves: 250 psi
- YRBX, Flammable Liquid Shutoff Valves: 250 psi
- YRPV, Gas Shutoff Valves: 250 psi
- YSDT, LP-Gas Shutoff Valves: 250 psi
- MHKZ, Manual Valves: 250 psi

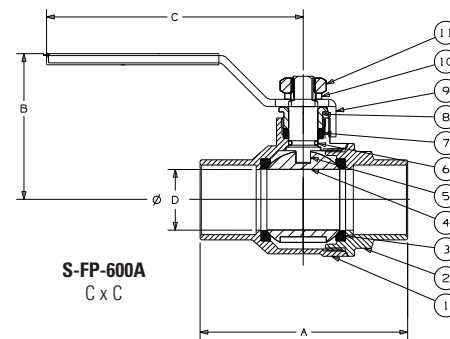
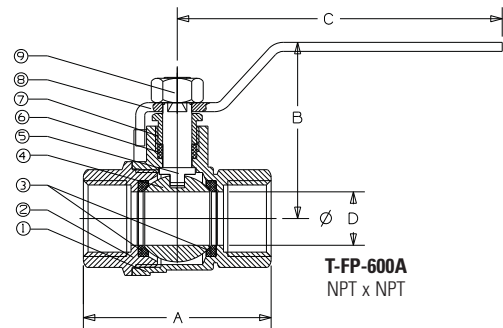
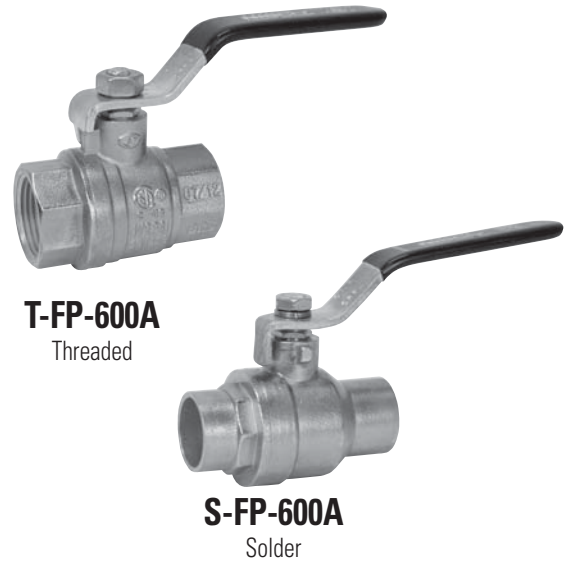
## MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>2</sup> CU > 57%
2. End Cap	Forged Brass <sup>2</sup> CU > 57%
3. Ball Seat	PTFE
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring (Stem Seal)*	Fluorocarbon (FKM)
7. Stem Packing	PTFE
8. Packing Nut	Brass
9. Lever Handle <sup>1</sup>	Steel, Plated
10. Lock Washer*	Stainless Steel
11. Handle Nut <sup>1</sup>	Stainless Steel

Note: \* Parts 6 and 10 are applicable of S-FP-600A only.

<sup>1</sup> Due to Standard Approvals, Lever Handles and Nuts are not interchangeable between Solder and Threaded. There are no handle options at this time.

<sup>2</sup> For Material Certification, contact NIBCO Technical Services.



## DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions																							
Size	T-FP-600A		S-FP-600A		T-FP-600A		S-FP-600A		T-FP-600A		S-FP-600A		Port		T-FP-600A	S-FP-600A	T-FP-600A	S-FP-600A					
	A	A	B	B	C	C	C	C	D	D	Lbs.	Kg.	Lbs.	Kg.					Ctn.	Qty.	Ctn.	Qty.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn.	Qty.	Ctn.	Qty.
1/4	8	1.76	45	—	—	1.73	44	—	—	3.54	90	—	—	.39	10	.33	.15	—	—	18	—	—	—
3/8	10	1.76	45	1.75	44	1.73	44	1.58	40	3.54	90	3.78	96	.39	10	.30	.14	.38	.17	18	18	18	18
1/2	15	2.05	52	2.01	51	1.92	49	1.78	45	3.54	90	3.78	96	.59	15	.44	.20	.40	.18	18	18	18	18
3/4	20	2.36	60	2.74	70	2.09	53	2.13	54	3.78	96	3.98	101	.75	19	.66	.30	.67	.30	12	12	12	12
1	25	2.76	70	3.35	85	2.56	65	2.52	64	4.53	115	4.41	112	.98	25	1.10	.50	1.12	.51	6	6	6	6
1 1/4	32	3.31	84	3.78	96	2.95	75	2.65	67	4.53	115	5.04	128	1.26	32	1.57	.71	1.49	.67	4	4	4	4
1 1/2	40	3.66	93	4.42	112	3.35	85	3.12	79	5.51	140	6.22	158	1.57	40	2.40	1.09	2.38	1.08	2	2	2	2
2	50	4.18	106	5.34	136	3.68	93	3.41	87	5.51	140	6.22	158	1.97	50	3.37	1.53	3.62	1.64	2	2	2	2
2 1/2	65	5.38	137	6.28	160	4.76	121	4.76	121	8.66	220	8.66	220	2.56	65	7.60	3.45	6.36	2.88	3	3	3	3
3	75	6.04	153	7.15	182	5.08	129	5.08	129	8.66	220	8.66	220	2.95	75	9.36	4.24	8.32	3.77	2	2	2	2
4	100	7.39	188	—	—	5.87	149	—	—	9.61	244	—	—	3.89	99	16.85	7.64	—	—	1	—	—	—



# Brass Ball Valves

Two-Piece Body • Full Port • Blowout-Proof Stem • PTFE Seats • w/ Drain

**600 PSI/41.4 Bar Non-Shock Cold Working Pressure**

IAPMO LISTED TO NSF/ANSI 61-8

## MATERIAL LIST

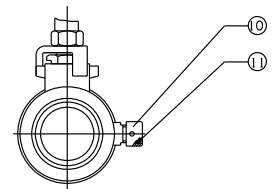
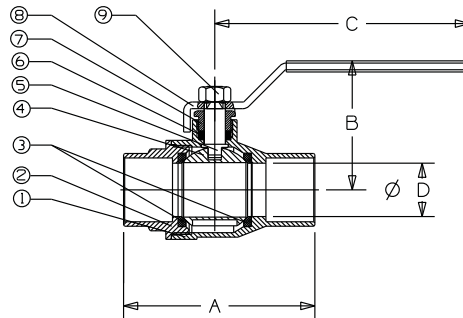
PART	SPECIFICATION
1. Body	Forged Brass <sup>1</sup> CU > 57%
2. End Cap	Forged Brass <sup>1</sup> CU > 57%
3. Ball Seat	PTFE
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. Stem Packing	PTFE
7. Packing Nut	Brass
8. Lever Handle	Steel, Plated
9. Handle Nut	Stainless Steel
10. Drainable Cap	Brass
11. Rubber Seat	Silicone

Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.



**S-FP-600-AD**

Solder



**S-FP-600-AD**  
C x C

## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions								Weight		
	A		B		C		D		Lbs.	Kg.	Ctn Qty.
In. mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.			
1/2 15	2.16	55	1.67	42	3.54	90	.58	15	.54	.24	20
3/4 20	2.85	72	2.03	52	4.47	114	.75	19	.76	.34	12
1 25	3.38	86	2.24	57	4.47	114	.95	24	1.07	.49	6

# Gas Ball Valve

## GB1A Female x Female, Lever Handle

- CSA Certified to ½ PSI for indoor appliance connections per ANSI Z21.15/CSA 9.1
- 5 PSI for indoor shutoff per CGA CR91-002 and ASME B16.44
- 600 PSI CWP Rated

### MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>1</sup> CU>57%
2. End Piece	Forged Brass <sup>1</sup> CU>57%
3. Seat	PTFE, Glass Reinforced
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring	Nitrile
7. Handle	Aluminum, Painted Red
8. Nut	Steel, Plated
9. ID Plate	Aluminum

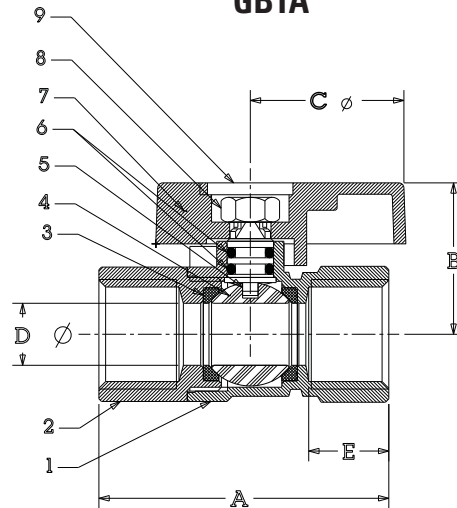
### DIMENSIONS—WEIGHT

Size (In.)	A	B	C	D	E	Wgt
¾	1.91	1.14	1.19	0.39	0.51	.31
½	2.21	1.19	1.19	0.47	0.61	.36
¾	2.45	1.26	1.19	0.59	0.67	.47
1	2.76	1.36	1.19	0.75	0.71	.91

Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.



**GB1A**



## GB2A Female x Female, Square Head

- CSA Certified to ½ PSI for indoor appliance connections per ANSI Z21.15/CSA 9.1
- 5 PSI for indoor shutoff per CGA CR91-002 and ASME B16.44
- 600 PSI CWP Rated

### MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>1</sup> CU>57%
2. End Piece	Forged Brass <sup>1</sup> CU>55%
3. Seat	PTFE, Glass Reinforced
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring	Nitrile
7. Handle	Copper Alloy Painted Red
8. Screw	Steel, plated

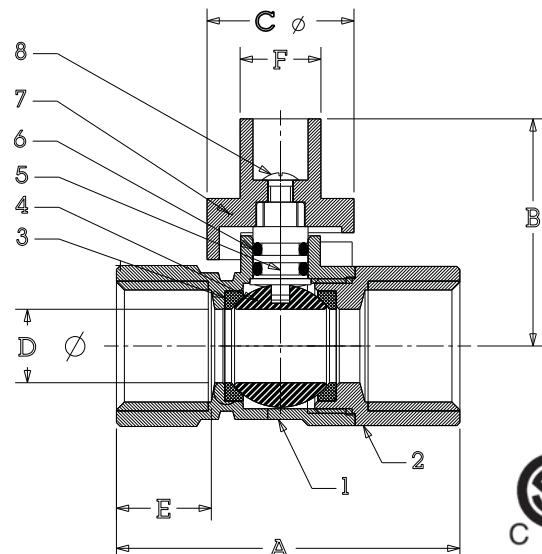
### DIMENSIONS—WEIGHT

Size (In.)	A	B	C	D	E	Wgt
½	2.21	1.44	.95	.47	.61	.34
¾	2.45	1.56	.95	.59	.67	.45

Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.



**GB2A**



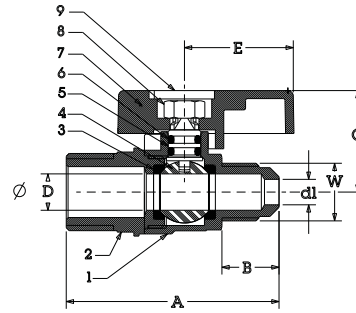
# Gas Ball Valve

## GBVA38M/GBVA12M — Flare x MPT, Lever Handle

- CSA Certified to ½ PSI for indoor appliance connections per ANSI Z21.15/CSA 9.1
- 5 PSI for indoor shut-off per ASME B16.44 and CGA CR91-002

### MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>1</sup> CU>57%
2. End Piece	Forged Brass <sup>1</sup> CU>57%
3. Seat	PTFE, Glass Reinforced
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring	Nitrile
7. Handle	Aluminum, Painted Red
8. Nut	Steel, Plated
9. ID Plate	Aluminum



### DIMENSIONS—WEIGHT

Size (In.)	A	B	C	d <sup>1</sup>	D	E	W	Wgt
¾	2.35	.62	1.14	.28	.39	1.19	¾-18 UNF	.34
½	2.47	.75	1.14	.39	.39	1.19	¾-16 UNF	.36

Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.

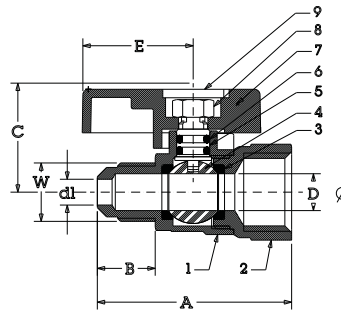


## GBVA — Flare x FPT, Lever Handle

- CSA Certified to ½ PSI for indoor appliance connections per ANSI Z21.15/CSA 9.1
- 5 PSI for indoor shut-off per ASME B16.44 and CGA CR91-002

### MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>1</sup> CU>57%
2. End Piece	Forged Brass <sup>1</sup> CU>57%
3. Seat	PTFE, Glass Reinforced
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring	Nitrile
7. Handle	Aluminum, Painted Red
8. Ball Seat	PTFE
9. Nut	Steel, Plated
10. ID Plate	Aluminum



### DIMENSIONS—WEIGHT

Size (In.)	A	B	C	d <sup>1</sup>	D	E	W	Wgt
¾	2.13	.62	1.14	.28	.39	1.19	¾-18 UNF	.35
½	2.25	.75	1.14	.39	.39	1.19	¾-16 UNF	.44

Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.

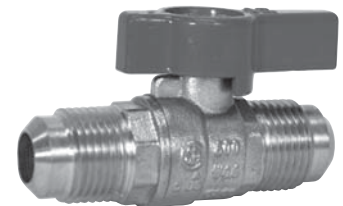
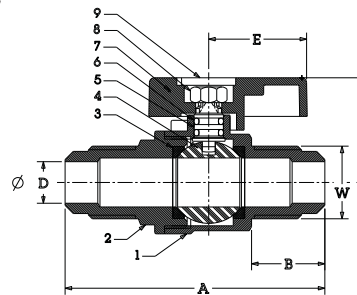


## GBVA38FL/GBVA12FL — Flare x Flare, Lever Handle

- CSA Certified to ½ PSI for indoor appliance connections per ANSI Z21.15/CSA 9.1
- 5 PSI for indoor shut-off per ASME B16.44 and CGA CR91-002

### MATERIAL LIST

PART	SPECIFICATION
1. Body	Forged Brass <sup>1</sup> CU>57%
2. End Piece	Forged Brass <sup>1</sup> CU>57%
3. Seat	PTFE, Glass Reinforced
4. Ball	Brass, Chrome Plated
5. Stem	Brass
6. O-Ring	Nitrile
7. Handle	Aluminum, Painted Red
8. Ball Seat	PTFE
9. Nut	Steel, Plated
10. ID Plate	Aluminum



### DIMENSIONS—WEIGHT







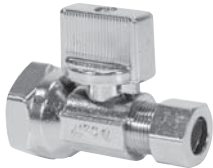



Size (In.)	A	B	C	D	E	W	Wgt
¾	2.37	.62	1.14	.28	1.19	¾-18 UNF	.36
½	2.62	.75	1.14	.39	1.19	¾-16 UNF	.47

Note: <sup>1</sup> For Material Certification, contact NIBCO Technical Services.





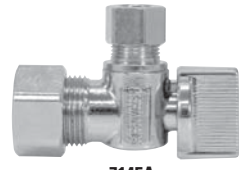
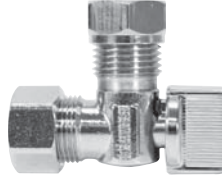

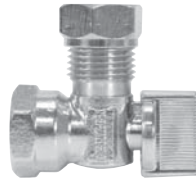
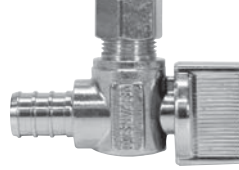

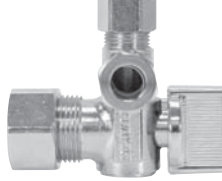
# PRO-Stop® Supply Stops - Straight Pattern

## Illustrated Index

<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7120A</b> Size 1/2" x 3/8" Solder Cup x Compression page 12</p>	<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7120APEX</b> Size 1/2" x 1/2" Solder x PEX page 12</p>	<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7120TE</b> Size 1/2" x 3/8" O.D. Solder x Compression page 12</p>																				
<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7140A</b> Sizes 3/8" O.D. x 3/8" O.D. 3/8" O.D. x 3/8" O.D. 3/8" O.D. x 1/2" O.D. Compression x Compression page 12</p>	<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7140AF</b> Repair Stop Size 3/8" O.D. x 3/8" O.D. Female Compression x Compression page 12</p>	<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7140SJ</b> Size 3/8" O.D. thru 7/16" Compression x Slip Joint page 12</p>																				
<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7150A</b> Sizes 3/8" x 3/8" O.D. 1/2" x 3/8" O.D. FIP x Compression page 13</p>	<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7160A</b> Sizes 1/2" x 3/8" O.D. PEX Barb x Compression page 13</p>	<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7160APEX</b> Size 1/2" x 1/2" PEX Barb x PEX Barb page 13</p>																				
<p>Quarter-Turn Supply Stop Straight Pattern</p>  <p><b>7170A</b> Size 1/2" x 3/8" O.D. CPVC x Compression page 13</p>	<table border="1"> <thead> <tr> <th colspan="2">MATERIAL LIST</th> </tr> <tr> <th>PART</th> <th>SPECIFICATION</th> </tr> </thead> <tbody> <tr> <td>Body and Nut</td> <td>Brass Chrome Plated</td> </tr> <tr> <td>Stem/Ball</td> <td>Brass</td> </tr> <tr> <td>Seat</td> <td>PTFE</td> </tr> <tr> <td>Retainer</td> <td>Brass</td> </tr> <tr> <td>"O" Ring</td> <td>Nitrile</td> </tr> <tr> <td>Handle</td> <td>ABS Chrome Plated</td> </tr> <tr> <td>Ferrule</td> <td>Brass</td> </tr> <tr> <td>Screw</td> <td>Stainless Steel</td> </tr> </tbody> </table>		MATERIAL LIST		PART	SPECIFICATION	Body and Nut	Brass Chrome Plated	Stem/Ball	Brass	Seat	PTFE	Retainer	Brass	"O" Ring	Nitrile	Handle	ABS Chrome Plated	Ferrule	Brass	Screw	Stainless Steel
MATERIAL LIST																						
PART	SPECIFICATION																					
Body and Nut	Brass Chrome Plated																					
Stem/Ball	Brass																					
Seat	PTFE																					
Retainer	Brass																					
"O" Ring	Nitrile																					
Handle	ABS Chrome Plated																					
Ferrule	Brass																					
Screw	Stainless Steel																					

# PRO-Stop® Supply Stops - Angle Pattern

## Illustrated Index

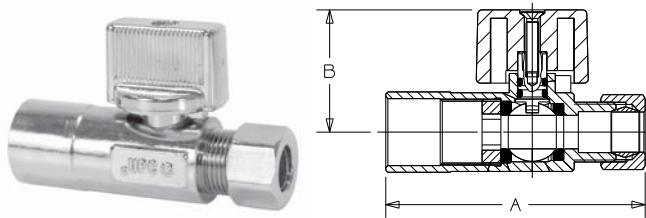
<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7125A</b> Sizes: 1/2" x 1/4" O.D. 1/2" x 3/8" O.D. Solder x Compression page 13</p>	<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7125TE</b> Sizes: 1/2" x 3/8" O.D. Solder x Compression page 13</p>	<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7145A</b> Sizes: 5/8" O.D. x 1/4" O.D. 5/8" O.D. x 3/8" O.D. 5/8" O.D. x 1/2" O.D. Compression x Compression page 14</p>
<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7145ASJ</b> Size 5/8" O.D. x 7/16" SJ FIP x Slip Joint page 14</p>	<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7155A</b> Sizes: 3/8" x 3/8" O.D. 1/2" x 1/4" O.D. 1/2" x 3/8" O.D. 1/2" x 1/2" O.D. FIP x Compression page 14</p>	<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7155ASJ</b> Size 1/2" thru 7/16" O.D. FIP x Slip Joint page 14</p>
<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7165A</b> Sizes: 1/2" x 3/8" O.D. PEX x Compression page 15</p>	<p>Quarter-Turn Supply Stop Angle Pattern</p>  <p><b>7175A</b> Size 1/2" x 3/8" O.D. CPVC x Compression page 15</p>	<p>Quarter-Turn Supply Stop Dual Outlet Angle Pattern</p>  <p><b>7145ADX</b> Size 5/8" O.D. x 3/8" O.D. x 3/8" O.D. Compression x Compression x Compression page 15</p>

### MATERIAL LIST

PART	SPECIFICATION
Body and Nut	Brass Chrome Plated
Stem/Ball	Brass
Seat	PTFE
Retainer	Brass
"O" Ring	Nitrile
Handle	ABS Chrome Plated
Ferrule	Brass
Screw	Stainless Steel

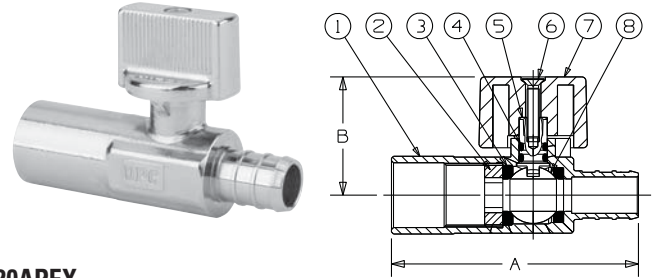
# PRO-Stop® Quarter-Turn Supply Stops

- 125 CWP Rated
- IAPMO Listed to cUPC® and NSF/ANSI 61-9



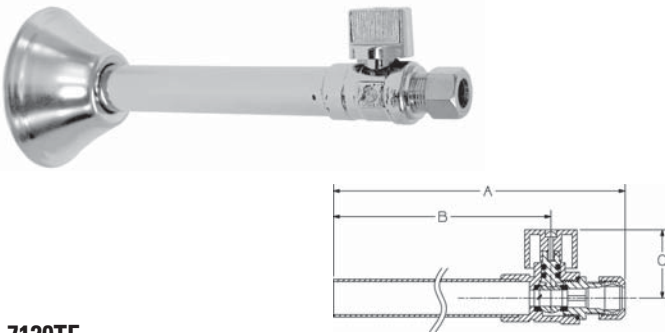
**7120A**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>STRAIGHT PATTERN</b> Solder x Compression	1/2 x 3/8 OD	2.44"	1.15"	.178 lb



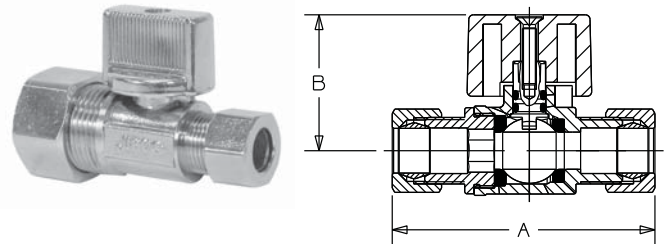
**7120APEX**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>STRAIGHT PATTERN</b> Solder x PEX	1/2 x 1/2	2.40"	1.15"	.160 lb



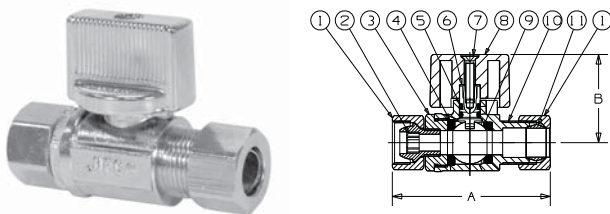
**7120TE**

DESCRIPTION	Inlet x Outlet	DIMENSIONS			APPROX. NET WT.
		A	B	C	
<b>STRAIGHT PATTERN</b> Solder x Compression	1/2 x 3/8 OD	6.50"	5.28"	1.12"	.325 lb



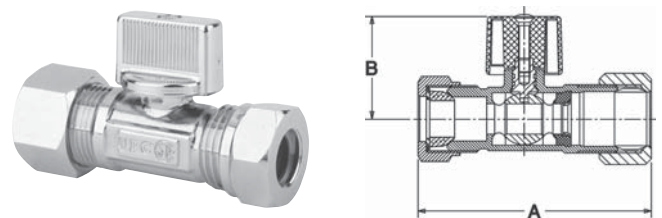
**7140A**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>STRAIGHT PATTERN</b> Compression x Compression	3/8 OD x 3/8 OD	2.22"	1.15"	.164 lb
	5/8 OD x 3/8 OD	2.34"	1.15"	.217 lb
	5/8 OD x 1/2 OD	2.62"	1.15"	.253 lb



**7140AF**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>STRAIGHT PATTERN REPAIR STOP</b> Female Comp. x Compression	3/8 OD x 3/8 OD	2.09"	1.15"	.166 lb

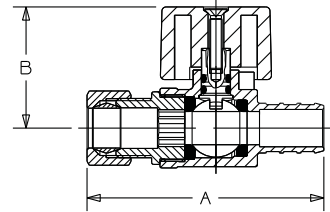
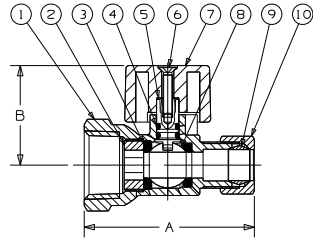


**7140SJ**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>STRAIGHT PATTERN</b> Compression x Slip Joint	5/8 OD x 7/16 & 1/2 OD	2.72"	1.18"	.385 lb

# PRO-Stop® Quarter-Turn Supply Stops

- 125 CWP Rated
- IAPMO Listed to cUPC® and NSF/ANSI 61-9

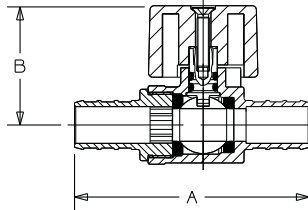


## 7150A

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
STRAIGHT PATTERN FIP x Compression	3/8 x 3/8 OD	2.04"	1.15"	.162 lb
	1/2 x 3/8 OD	2.09"	1.21"	.205 lb

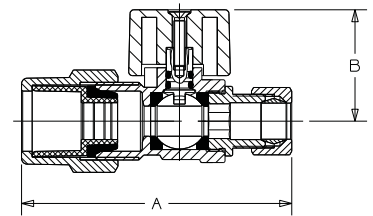
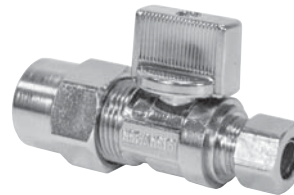
## 7160A

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
STRAIGHT PATTERN PEX x Compression	1/2 x 3/8 OD	2.24"	1.15"	.150 lb



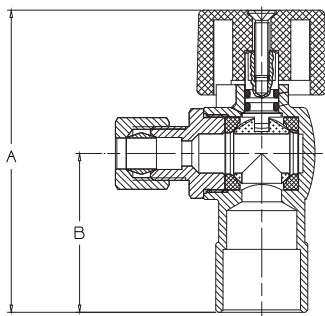
## 7160APEX

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		A	B	
STRAIGHT PATTERN PEX x PEX	1/2	2.26"	1.15"	.135 lb



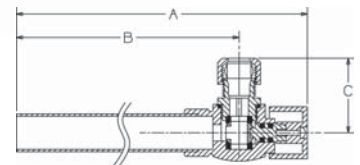
## 7170A

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
STRAIGHT PATTERN CPVC x Compression	1/2 x 3/8 OD	2.80"	1.17"	.255 lb



## 7125A

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
ANGLE PATTERN Solder x Compression	1/2 x 1/4 OD	2.45"	1.29"	.179 lb
	1/2 x 3/8 OD	2.45"	1.29"	.176 lb

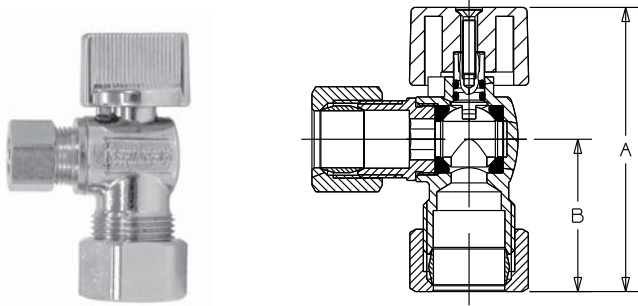


## 7125TE

DESCRIPTION	Inlet x Outlet	DIMENSIONS			APPROX. NET WT.
		A	B	C	
ANGLE PATTERN Solder x Compression	5/8 OD x 3/8	6.57"	5.67"	1.18"	.350 lb

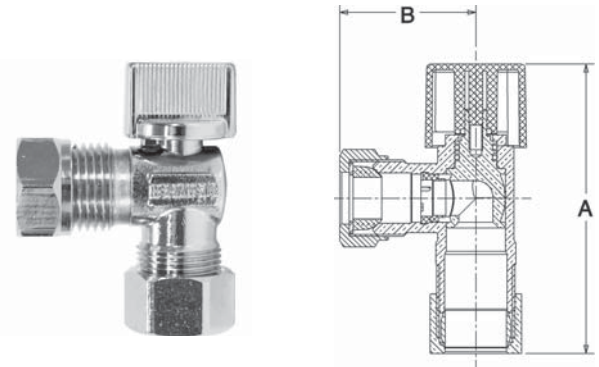
# PRO-Stop® Quarter-Turn Supply Stops

- 125 CWP Rated
- IAPMO Listed to cUPC® and NSF/ANSI 61-9



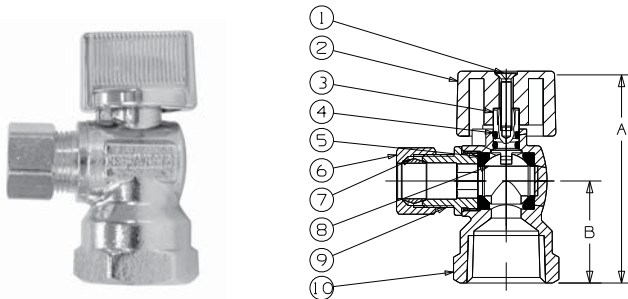
**7145A**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE PATTERN</b> Compression x Compression	5/8 OD x 1/4 OD	2.50"	1.33"	.220 lb
	5/8 OD x 3/8 OD	2.50"	1.33"	.229 lb
	5/8 OD x 1/2 OD	2.50"	1.33"	.259 lb



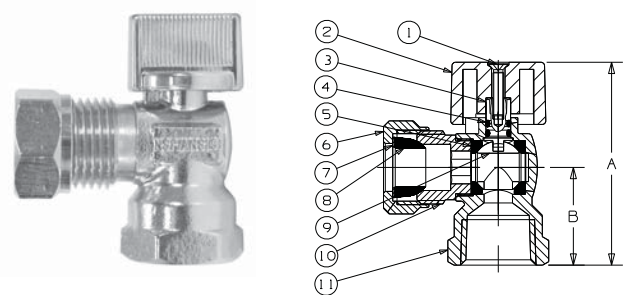
**7145ASJ**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE PATTERN</b> Compression x Slip Joint	5/8 OD x 7/16 & 1/2 OD	2.50"	1.33"	.258 lb



**7155A**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE PATTERN</b> FIP x Compression	3/8 x 3/8 OD	2.15"	0.98"	.170 lb
	1/2 x 1/4 OD	2.25"	1.08"	.215 lb
	1/2 x 3/8 OD	2.25"	1.08"	.226 lb
	1/2 x 1/2 OD	2.25"	1.08"	.254 lb



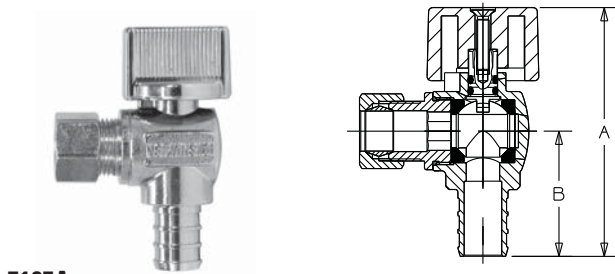
**7155ASJ**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE PATTERN</b> FIP x Slip Joint	1/2 x 7/16 & 1/2 OD	2.25"	1.08"	.254 lb

# PRO-Stop® Quarter-Turn Supply Stops

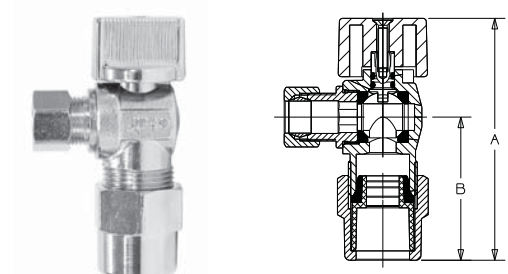


- 125 CWP Rated
- IAPMO Listed to cUPC® and NSF/ANSI 61-9



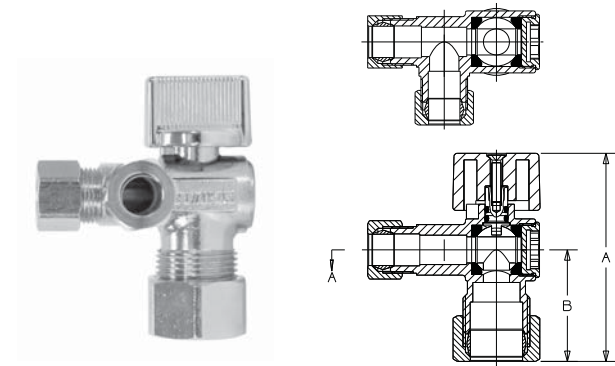
**7165A**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE PATTERN</b> PEX x Compression	1/2 x 3/8 OD	2.34"	1.17"	.168 lb



**7175A**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE PATTERN</b> CPVC x Compression	1/2 x 3/8 OD	2.75"	1.60"	.275 lb

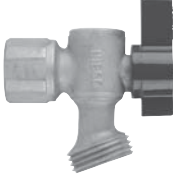
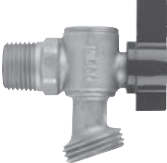
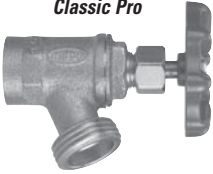

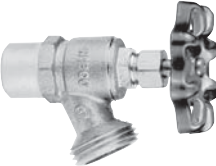
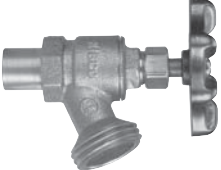



**7145ADX**

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>DUAL OUTLET ANGLE PATTERN</b> Comp x Comp x Comp	5/8 OD x 3/8 OD x 3/8 OD	2.50"	1.33"	.282 lb

IAPMO Classified Certification

# Boiler Drains Illustrated Index

<p>Quarter-Turn Boiler Drain 125 lb. CWP</p>  <p><b>QT73X</b> Sizes: 1/2" - 3/4" FIP to Hose page 17</p>	<p>Quarter-Turn Boiler Drain 125 lb. CWP</p>  <p><b>QT74X</b> Sizes: 1/2" - 3/4" Cup or MIP Threads to Hose page 17</p>	<p>Bronze Boiler Drain Screw-in Bonnet 125 lb. CWP <b>Classic Pro</b></p>  <p><b>73-CL</b> Sizes 1/2" - 3/4" FIP to Hose page 17</p>
<p>Bronze Boiler Drain Screw-in Bonnet 125 lb. CWP <b>Classic Pro</b></p>  <p><b>74-CL</b> Sizes 1/2" - 3/4" 1/2 Cup or MIP to Hose 3/4 MIP to Hose page 17</p>	<p>Boiler Drain Screw-in Bonnet 125 lb. CWP</p>  <p><b>72</b> Sizes 1/2" - 3/4" Cup to Hose page 17</p>	<p>Boiler Drain Screw-in Bonnet 125 lb. CWP</p>  <p><b>74-2</b> Sizes 1/2" Fitting to Hose page 17</p>
<p>Bronze Transition/Boiler Drain Screw-in Bonnet 125 lb. CWP</p>  <p><b>4464</b> Size 1/2" Compression to Hose page 17</p>		

## QUARTER-TURN BOILER DRAINS MATERIAL LIST

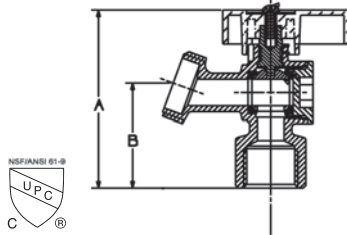
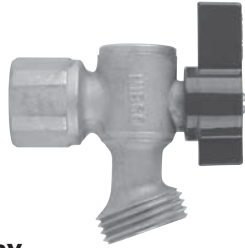
PART	SPECIFICATION
Screw	Steel
I.D. Tag	Aluminum
Handle	Zinc
Stem	Brass ASTM B 16 UNS C36000
O-Ring	Nitrile
Seat	PTFE
Ball	Brass ASTM B 16 UNS C36000
Adapter	Brass ASTM B 283 UNS C37700
Body	Brass ASTM B 283 UNS C37700

## MULTI-TURN MATERIALS LIST

PART	SPECIFICATION
Body	Cast Copper - Based Alloy C84400
Bonnet	Cast Copper - Based Alloy C84400
Stem	Cold-formed Copper Alloy
Seat Disc	Buna-N
Seat Disc Screw	Stainless Steel, Type 410
Packing Nut	Free Cutting Brass - ASTM B 16
Packing	Graphite Impregnated, Asbestos-Free
Handwheel	Epoxy Coated Zinc Alloy
Handwheel Screw	Carbon Steel - Clear Chromate Finish

# Boiler Drains

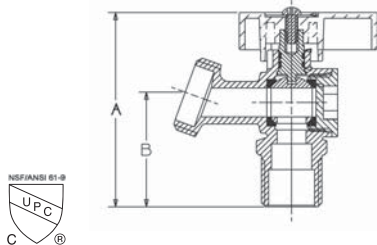
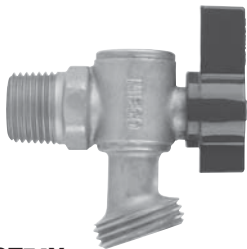
125 lb. CWP to 100°F  
Maximum Temperature 180°F



**QT73X**

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>BOILER DRAIN</b> FIP to Hose	1/2"	2.64"	1.57"	.42 lb
	3/4"	2.72"	1.65"	.46 lb

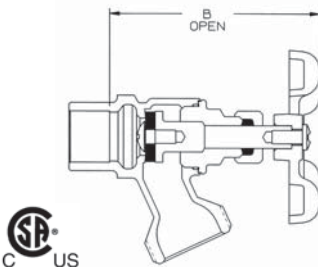
IAPMO Listed to cUPC® and NSF/ANSI 61-9



**QT74X**

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>BOILER DRAIN</b> Cup or MIP Threads to Hose	1/2"	2.64"	1.57"	.40 lb
	3/4"*	2.72"	1.65"	.42 lb

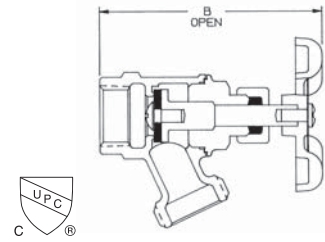
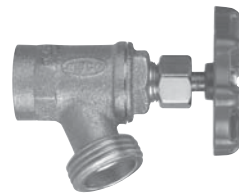
IAPMO Listed to cUPC® and NSF/ANSI 61-9  
\*3/4" furnished in male threads only



**72**

DESCRIPTION	NOM. SIZE	DIMENSIONS	APPROX. NET WT.
		B	
<b>Boiler Drain</b> Cup to Hose	1/2"	3 1/16"	.40 lb
	3/4"*	2 13/16"	.40 lb

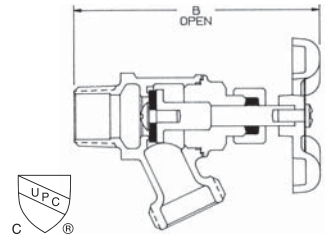
\*3/4" not CSA listed



**73-CL**

DESCRIPTION	NOM. SIZE	DIMENSIONS	APPROX. NET WT.
		B	
<b>Boiler Drain</b> Threaded to Hose	1/2"	3 1/4"	.50 lb
	3/4"	3 5/16"	.60 lb

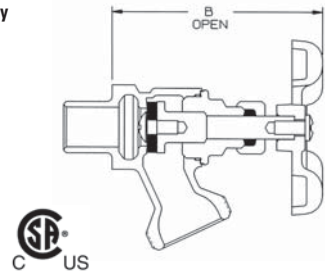
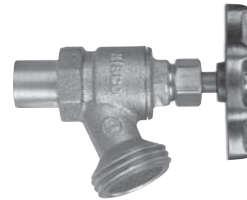
IAPMO Listed to cUPC®



**74-CL**

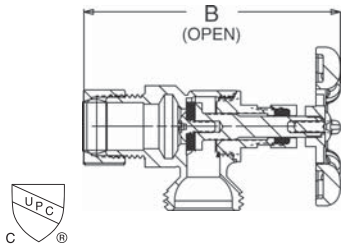
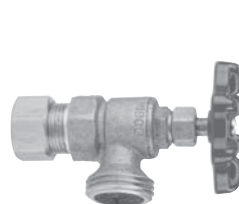
DESCRIPTION	NOM. SIZE	DIMENSIONS	APPROX. NET WT.
		B	
<b>Boiler Drain</b> Copper or Male Threads to Hose	1/2"	3 11/16"	.4 lb
	3/4"*	3 3/4"	.45 lb

IAPMO Listed to cUPC®  
\*3/4" furnished in male threads only



**74-2**

DESCRIPTION	NOM. SIZE	DIMENSIONS	APPROX. NET WT.
		B	
<b>Boiler Drain</b> Fit to Hose	1/2"	3 3/8"	.40 lb








**4464**

DESCRIPTION	NOM. SIZE	DIMENSIONS	APPROX. NET WT.
		B	
<b>Boiler Drain</b> Compression to Hose	1/2"	3 1/4"	.50 lb

IAPMO Listed to cUPC®

# Hose Bibbs & Garden Valves

## Illustrated Index

<p>Quarter-Turn No-Kink Hose Bibb 125 lb. CWP</p>  <p><b>QT54X</b> Sizes: 1/2" - 3/4" Male or Cup to Hose page 19</p>	<p>Quarter-Turn No-Kink Hose Bibb 125 lb. CWP</p>  <p><b>QT55X</b> Size 1/2" - 3/4" FIP to Hose page 19</p>	<p>Quarter-Turn Hose Bibb 125 lb. CWP</p>  <p><b>QT56X</b> Size 1/2" - 3/4" Cup or Male to Hose Male Thread to Hose page 19</p>
<p>Quarter-Turn No-Kink Hose Bibb 125 lb. CWP</p>  <p><b>QT57X</b> Size 1/2" - 3/4" 1/2" Cup or 3/4" Ftg. to Hose page 19</p>	<p>Bronze Bent Nose Garden Valve 125 lb. CWP</p>  <p><b>61</b> Sizes 1/2" - 1" x 3/4" FIP to Hose page 19</p>	

### QUARTER TURN HOSE BIBBS MATERIALS LIST

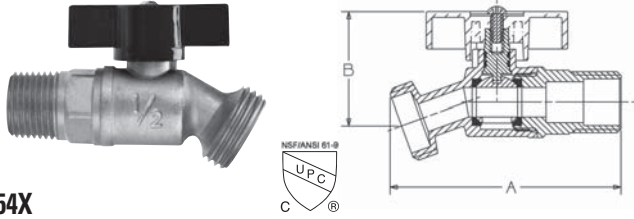
PART	SPECIFICATION
Screw	Steel
I.D. Tag	Aluminum
Handle	Zinc
Stem	Brass ASTM B 16 UNS C36000
O-Ring	Nitrile
Seat	PTFE
Ball	Brass ASTM B 16 UNS C36000
Adapter	Brass ASTM B 283 UNS C37700
Body	Brass ASTM B 283 UNS C37700

### GARDEN VALVE MATERIALS LIST

PART	SPECIFICATION
Body	Cast Copper - Based Alloy C84400
Bonnet	Cast Copper - Based Alloy C84400
Stem	Cold-formed Copper Alloy
Seat Disc	Buna-N
Seat Disc Screw	Stainless Steel, Type 410
Packing Nut	Free Cutting Brass - ASTM B 16
Packing	Graphite Impregnated, Asbestos-Free
Handwheel	Epoxy Coated Zinc Alloy
Handwheel Screw	Carbon Steel - Clear Chromate Finish

# Hose Bibbs and Garden Valves

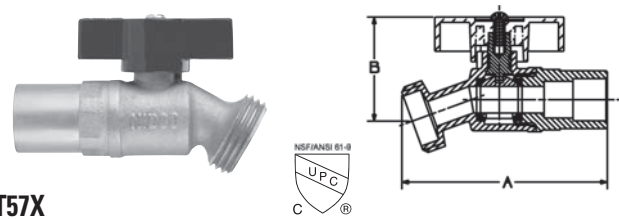
125 lb. CWP to 100°F  
Maximum Temperature 180°F



**QT54X**

DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>NO-KINK HOSE BIBB</b> Male or Cup to Hose	1/2	3.15"	1.54"	.40 lb
	3/4	3.15"	1.54"	.42 lb

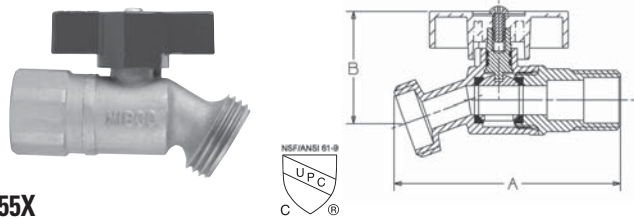
IAPMO Listed to cUPC® and NSF/ANSI 61-9



**QT57X**

DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>NO-KINK HOSE BIBB</b> 1/2" Cup or 3/4" Ftg. to Hose	1/2" or 3/4"	3.11"	1.54"	.42 lb

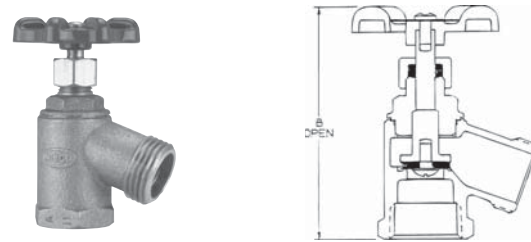
IAPMO Listed to cUPC® and NSF/ANSI 61-9



**QT55X**

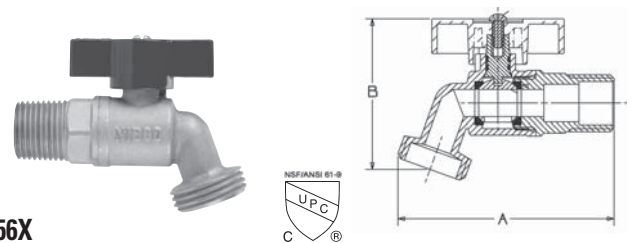
DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>NO-KINK HOSE BIBB</b> FIP to Hose	1/2	2.87"	1.54"	.40 lb
	3/4	3.15"	1.54"	.45 lb

IAPMO Listed to cUPC® and NSF/ANSI 61-9



**61**

DESCRIPTION	Nom. Size	DIMENSIONS	APPROX. NET WT.
		B	
<b>Bent Nose Hose Bibb</b> FIP to Hose	1/2"	3 5/8"	.60 lb
	3/4"	3 3/4"	.70 lb
	1 x 3/4"	3 3/4"	.90 lb



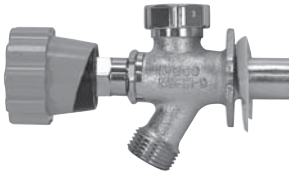

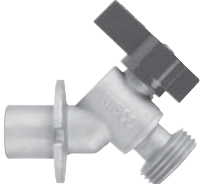
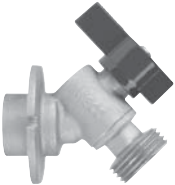
**QT56X**

DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>HOSE BIBB</b> Cup or Male to Hose Male Thread to Hose	1/2	3.15"	2.17"	.40 lb
	3/4	3.15"	2.14"	.42 lb

IAPMO Listed to cUPC® and NSF/ANSI 61-9

# Sillcocks

## Illustrated Index

<p>Half-Turn Frostproof Sillcock</p>  <p><b>95C/95C PEX</b> Size 1/2" - 3/4" Threaded to Hose page 21</p>	<p>Quarter-Turn Angle Sillcock</p>  <p><b>QT63X</b> Size 1/2" - 3/4" Threaded to Hose page 22</p>	<p>Quarter-Turn Angle Sillcock</p>  <p><b>QT763IX</b> Sizes: 1/2" - 3/4" 1/2 Cup or 3/4 Ftg. to Hose page 22</p>
<p>Quarter-Turn Angle Sillcock</p>  <p><b>QT763X</b> Size 1/2" - 3/4" Solder to Hose page 22</p>		

# Fig. 95C Frostproof Sillcock

Chrome Plated Brass Body • 180° Turn • Ceramic Seats •  
Built in Lockshield • Flow Indicator on Metal Handwheel

IAPMO LISTED • NSF/ANSI 61-9 • UPC •  
ASSE 1019-C • ASME A112.18.1/CSA B125.1

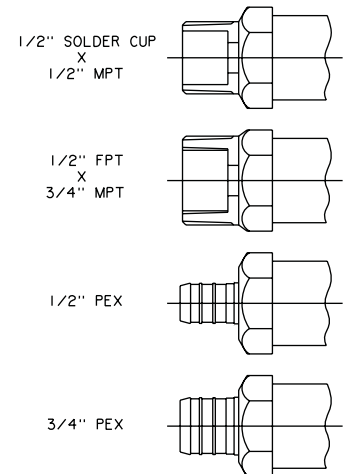
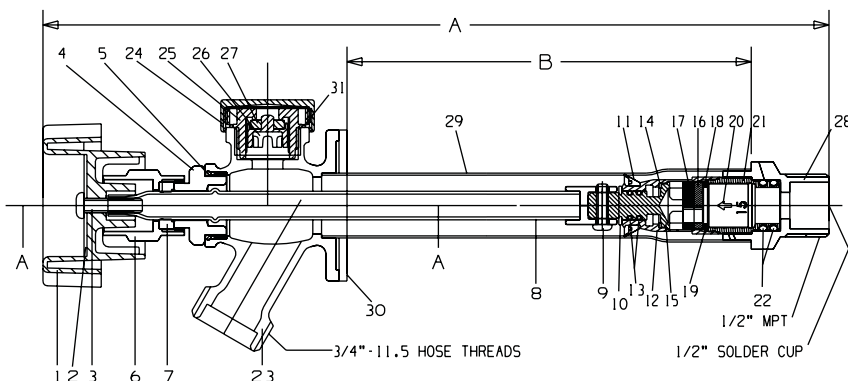
## MATERIAL LIST

PART	SPECIFICATION
1. Handwheel	Aluminum B85 Epoxy Coated
2. ID Plate	Aluminum
3. Screw	Brass B16 C36000
4. Bonnet	Brass B16 C36000
5. O-Ring	NBR
6. Lockshield	Brass B16 C36000
7. Washer Seal	NBR
8. Stem	Brass B135 C33000
9. Screw	304 SS
10. V-Clip	304 SS
11. V-Cup Seal	NBR
12. Housing	Brass B16 C36000
13. O-Ring	NBR
14. Seal Washer	PTFE
15. Inner Stem	Brass B16 C36000
16. Seat 180°	Ceramic
17. Movement 180°	Ceramic
18. Washer	Silicon Rubber
19. Washer	Brass B16 C36000
20. Spring Check Valve	304 SS
21. Valve Base	Brass B16 C36000
22. O-Ring	FKM
23. Cast Body	Brass B584 C85700
24. Vent Cap	POM - Chrome Plated
25. Vent Body	POM
26. Poppet	POM
27. Vent Seat	NBR
28. Inlet End	Brass B16 C36000
29. Body Tube	Brass B135 C33000
30. Siding Plate	Plastic
31. O-Ring	NBR



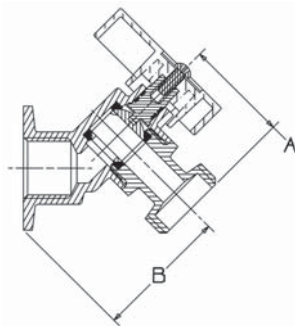
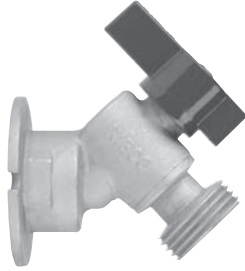
## DIMENSIONS — WEIGHTS

Size (In.)	A	B	Wt. Lbs.	Size (In.)	A	B	Wt. Lbs.
1/2 x 4	9 3/4	4	1.28	3/4 x 4	9 3/4	4	1.31
1/2 x 6	11 3/4	6	1.37	3/4 x 6	11 3/4	6	1.40
1/2 x 8	13 3/4	8	1.44	3/4 x 8	13 3/4	8	1.47
1/2 x 10	15 3/4	10	1.49	3/4 x 10	15 3/4	10	1.52
1/2 x 12	17 3/4	12	1.54	3/4 x 12	17 3/4	12	1.62
1/2 x 14	19 3/4	14	1.60	3/4 x 14	19 3/4	14	1.64



# QTX Series Quarter-Turn Low Pressure Sillcocks

- IAPMO Listed to cUPC® and NSF/ANSI 61-9

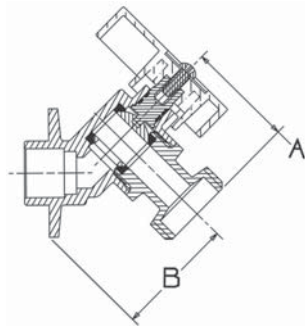
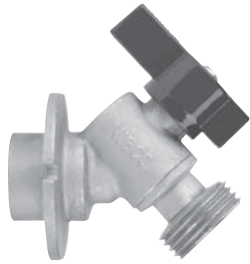


## QT63X

DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE SILLCOCK</b> Threaded to Hose	1/2	1.38"	1.77"	.44 lb
	3/4	1.38"	1.85"	.48 lb

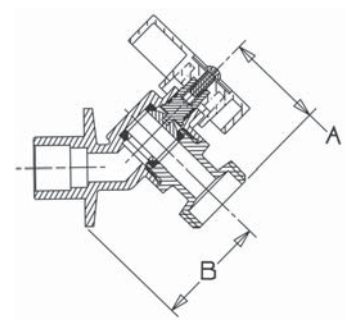
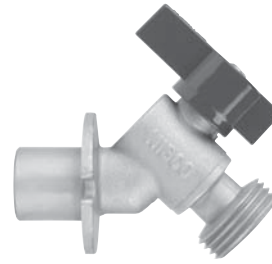
## MATERIAL LIST

PART	SPECIFICATION
Screw	Steel
I.D. Tag	Aluminum
Handle	Zinc
Stem	Brass ASTM B 16 UNS C36000
O-Ring	Nitrile
Seat	PTFE
Ball	Brass ASTM B 16 UNS C36000
Adapter	Brass ASTM B 283 UNS C37700
Body	Brass ASTM B 283 UNS C37700



## QT763X

DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE SILLCOCK</b> Solder to Hose	1/2	1.38"	1.54"	.43 lb
	3/4	1.38"	1.69"	.48 lb





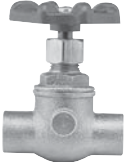







## QT763IX

DESCRIPTION	Nom. Size	DIMENSIONS		APPROX. NET WT.
		A	B	
<b>ANGLE SILLCOCK</b> 1/2 Cup or 3/4 Ftg. to Hose	1/2 or 3/4	1.38"	1.57"	.50 lb

# Stop & Stop Waste Valves

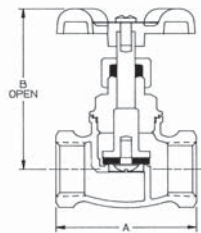
## Illustrated Index

<p>Bronze Boiler Drain Screw-in Bonnet 125 lb. CWP Classic</p>  <p><b>75-CL</b> Sizes 1/4" - 3/4" FIP x FIP page 24</p>	<p>Bronze Stop Valve Screw in Bonnet 125 lb. CWP <b>Classic Pro</b></p>  <p><b>725-CL</b> Sizes 1/4" - 3/4" Cup x Cup page 24</p>	<p>Bronze Stop &amp; Waste Valve with Drain Screw-in Bonnet <b>Classic Pro</b></p>  <p><b>76-CL</b> Sizes 1/2" - 3/4" FIP x FIP page 24</p>																				
<p>Bronze Stop &amp; Waste Valve with Drain Screw-in Bonnet <b>Classic Pro</b></p>  <p><b>726-CL</b> Sizes 1/2" - 3/4" Cup x Cup page 24</p>	<p>Bronze Stop Valve with Left Hand Drain Screw-in Bonnet 125 lb. CWP <b>Classic Pro</b></p>  <p><b>726-LCL</b> Sizes 1/2" - 3/4" Cup x Cup page 24</p>	<p>Bronze Stop &amp; Waste Valve with Drain Screw-in Bonnet</p>  <p><b>4476</b> Sizes 1/2" - 3/4" Compression x Compression page 24</p>																				
<p>Bronze Stop &amp; Waste Valve Screw-in Bonnet 125 lb. CWP</p>  <p><b>4776</b> Size 1/2" CPVC x CPVC page 24</p>	<p>Angle Stop Valve 125 lb. CWP</p>  <p><b>77</b> Sizes 1/2" - 3/4" Female page 25</p>	<p>Angle Stop Valve 125 lb. CWP</p>  <p><b>777</b> Sizes 1/2" - 3/4" Cup page 25</p>																				
<p>Angle Stop Valve 125 lb. CWP</p>  <p><b>777-17</b> Size 3/4" Cup to Female page 25</p>	<h3>MATERIALS LIST</h3> <table border="1"> <thead> <tr> <th>PART</th> <th>SPECIFICATION</th> </tr> </thead> <tbody> <tr> <td>Body</td> <td>Cast Copper - Based Alloy C84400</td> </tr> <tr> <td>Bonnet</td> <td>Cast Copper - Based Alloy C84400</td> </tr> <tr> <td>Stem</td> <td>Cold-formed Copper Alloy</td> </tr> <tr> <td>Seat Disc</td> <td>Buna-N</td> </tr> <tr> <td>Seat Disc Screw</td> <td>Stainless Steel, Type 410</td> </tr> <tr> <td>Packing Nut</td> <td>Brass - ASTM B 16</td> </tr> <tr> <td>Packing</td> <td>Graphite Impregnated, Asbestos-Free</td> </tr> <tr> <td>Handwheel</td> <td>Epoxy Coated Zinc Alloy</td> </tr> <tr> <td>Handwheel Screw</td> <td>Carbon Steel - Clear Chromate Finish</td> </tr> </tbody> </table>		PART	SPECIFICATION	Body	Cast Copper - Based Alloy C84400	Bonnet	Cast Copper - Based Alloy C84400	Stem	Cold-formed Copper Alloy	Seat Disc	Buna-N	Seat Disc Screw	Stainless Steel, Type 410	Packing Nut	Brass - ASTM B 16	Packing	Graphite Impregnated, Asbestos-Free	Handwheel	Epoxy Coated Zinc Alloy	Handwheel Screw	Carbon Steel - Clear Chromate Finish
PART	SPECIFICATION																					
Body	Cast Copper - Based Alloy C84400																					
Bonnet	Cast Copper - Based Alloy C84400																					
Stem	Cold-formed Copper Alloy																					
Seat Disc	Buna-N																					
Seat Disc Screw	Stainless Steel, Type 410																					
Packing Nut	Brass - ASTM B 16																					
Packing	Graphite Impregnated, Asbestos-Free																					
Handwheel	Epoxy Coated Zinc Alloy																					
Handwheel Screw	Carbon Steel - Clear Chromate Finish																					

# Stop & Stop Waste Valves - Straight

125 lb. CWP to 100 ° F

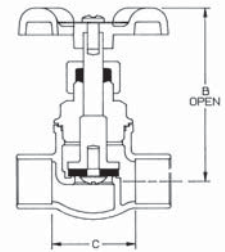
Maximum Temperature 180 ° F



## 75-CL

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		A	B	
Stop Valve FIP x FIP	1/2"	2 <sup>3</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "	.50 lb
	3/4"	2 <sup>5</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "	.60 lb

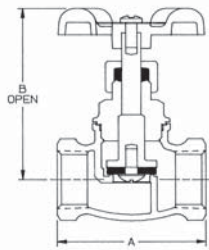
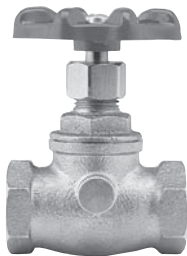
IAPMO Listed to cUPC®



## 725-CL

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		B	C	
Stop Valve Cup x Cup	1/2"	2 <sup>9</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	.40 lb
	3/4"	2 <sup>9</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	.50 lb

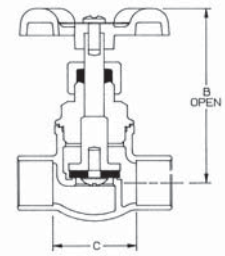
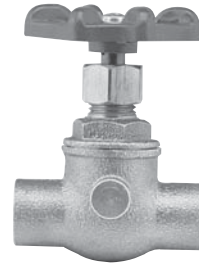
IAPMO Listed to cUPC®



## 76-CL

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		A	B	
Stop & Waste Valve FIP x FIP	1/2"	2 <sup>3</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "	.54 lb
	3/4"	2 <sup>5</sup> / <sub>16</sub> "	2 <sup>9</sup> / <sub>16</sub> "	.60 lb

IAPMO Listed to cUPC®

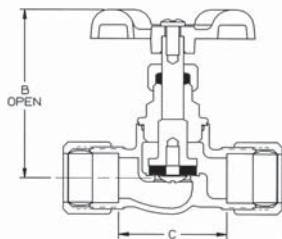


## 726-CL, 726-LCL

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		B	C	
Stop & Waste Valve Cup x Cup	1/2"	2 <sup>9</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	.42 lb
	3/4" ‡	2 <sup>9</sup> / <sub>16</sub> "	1 <sup>3</sup> / <sub>16</sub> "	.49 lb

IAPMO Listed to cUPC®

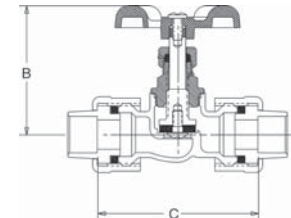
‡ - Not CSA Listed



## 4476

DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		B	C	
Stop & Waste Valve Comp. x Comp.	1/2"	2 <sup>9</sup> / <sub>16</sub> "	1 <sup>5</sup> / <sub>8</sub> "	.60 lb
	3/4" ‡	2 <sup>9</sup> / <sub>16</sub> "	1 <sup>11</sup> / <sub>16</sub> "	.80 lb

‡ - Not CSA Listed



## 4776

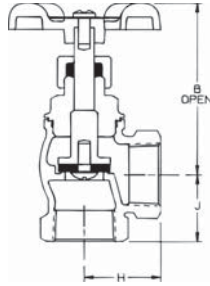
DESCRIPTION	NOM. SIZE	DIMENSIONS		APPROX. NET WT.
		B	C	
Stop & Waste Valve CPVC x CPVC	1/2"	2 <sup>9</sup> / <sub>16</sub> "	3"	.62 lb
	3/4" ‡	2 <sup>9</sup> / <sub>16</sub> "	3 <sup>1</sup> / <sub>16</sub> "	.74 lb

‡ - Not CSA Listed

# Stop Valves - Angle

125 lb. CWP to 100 ° F

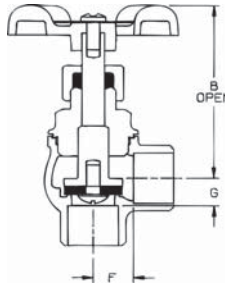
Maximum Temperature 180 ° F



**77**

DESCRIPTION	NOM. SIZE	DIMENSIONS			APPROX. NET WT.
		B	H	J	
Angle Stop Valve Female	1/2"	2 9/16"	1 1/16"	1 5/16"	.50 lb
	3/4"	2 11/16"	1 3/16"	1"	.60 lb

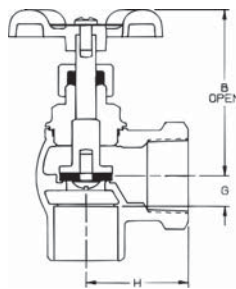
IAPMO Listed to cUPC®



**777**

DESCRIPTION	NOM. SIZE	DIMENSIONS			APPROX. NET WT.
		B	F	G	
Stop & Waste Valve CPVC x CPVC	1/2"	2 7/16"	1/2"	3/8"	.40 lb
	3/4"	2 9/16"	5/8"	7/16"	.50 lb

IAPMO Listed to cUPC®







**777-17**

DESCRIPTION	NOM. SIZE	DIMENSIONS			APPROX. NET WT.
		B	G	H	
Angle Stop Valve Cup to Female	3/4"	2 7/16"	7/16"	1 7/16"	.60 lb

# Bronze and Brass Gate & Check Valves

## Illustrated Index

<p>Bronze Gate Valve Screw-in Bonnet • Full Port 200 lb. CWP</p>  <p><b>S or T29</b> Non-Rising Stem • Solid Wedge Sizes 1/2" - 2" Threaded or Solder Ends page 27</p>	<p>Brass Gate Valve Screw-in Bonnet • Full Port 200 lb. CWP</p>  <p><b>S or TI-8</b> Non-Rising Stem • Solid Wedge Sizes 1/4" - 4" Threaded or Solder Ends page 28</p>	<p>Bronze Check Valve Inline Lift Type 200 lb. CWP</p>  <p><b>S or T480</b> Sizes 3/8" - 2" Threaded or Solder Ends page 29</p>
<p>Brass Check Valve Swing Type 200 lb. CWP</p>  <p><b>S or TI-3</b> Sizes 1/2" - 3" Threaded or Solder Ends page 30</p>		

# 200 PSI CWP Bronze Gate Valves

Bronze Body • Screw-in Bonnet • Non-Rising Stem • Solid Wedge • Compact Design • Full Port

**200 PSI/14 Bar Non-Shock Cold Working Pressure**

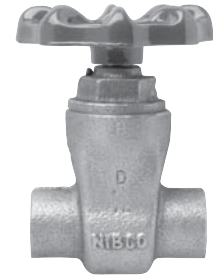


## MATERIAL LIST

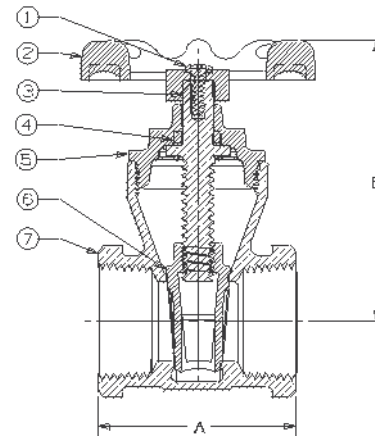
PART	SPECIFICATION
1. Handwheel Screw	Stainless Steel, Type 430
2. Handwheel	Aluminum
3. Stem	Bronze ASTM B 99 Alloy C65100 H04
4. Stem O-Ring	EPDM
5. Bonnet	Cast Brass ASTM B 584 Alloy C84400
6. Wedge	Cast Brass ASTM B 584 Alloy C84400
7. Body	Cast Brass ASTM B 584 Alloy C84400



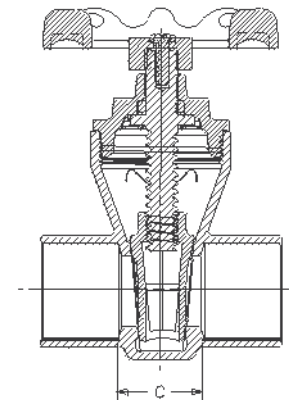
**T-29**  
Threaded



**S-29**  
Solder



**T-29**  
NPT x NPT



**S-29**  
Cup x Cup

Size	Dimensions						Weight				
	A		B		C		T-29		S-29		
In. mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	
1/2	15	1.81	46	2.52	64	0.81	21	.48	.22	.42	.19
3/4	20	2.00	51	2.83	72	0.88	22	.75	.34	.65	.30
1	25	2.31	59	3.27	83	1.06	25	1.22	.55	1.11	.50
1 1/4	32	2.63	69	3.64	92	1.13	29	1.62	.74	1.38	.63
1 1/2	40	2.75	70	4.16	106	1.19	29	2.12	.96	1.98	.90
2	50	2.88	73	4.88	124	1.31	33	3.29	1.49	3.23	1.47

# Brass Gate Valve

Brass Body • Non-Rising Stem • Full Port

**200 PSI/14 Bar Non-Shock Cold Working Pressure**  
**Truesdail LAB listed to NSF/ANSI 61-8**

## MATERIAL LIST

PART	SPECIFICATION
1. Nut	Steel plated ASTM A 108 Alloy G10100
2. Name Plate	Aluminum ASTM B 209 Alloy 1100
3. Handwheel	Cast Iron ASTM A 48 Class No. 35
4. Stem	Brass ASTM B 16 Alloy C36000
5. Packing Nut	Brass ASTM B 16 Alloy C36000 or B 584 Alloy C85700
*6. Gland	Brass ASTM B 16 Alloy C36000
7. Packing	Graphite/Rubber Non-Asbestos
8. Bonnet	Brass ASTM B 584 Alloy C85700
9. Lock Nut	Brass ASTM B 16 Alloy C 36000
10. Wedge	Brass ASTM B 584 Alloy C85700
11. Body	Brass ASTM B 584 Alloy C85700

\* Packing gland only for valves 1½" and larger.

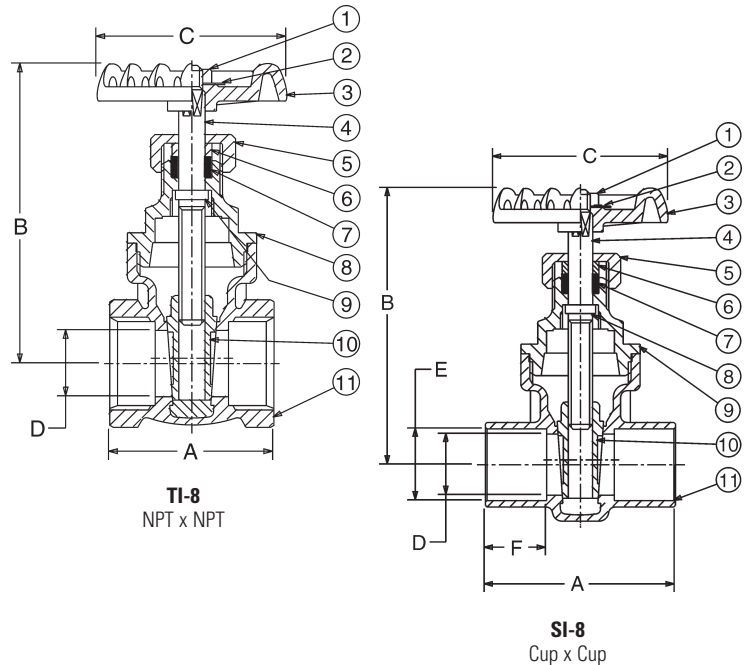
† Available with Drain in sizes ½" and ¾" for TI-8. Specify TI-8D on order.



**TI-8**  
Threaded



**SI-8**  
Solder



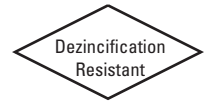
## DIMENSIONS—WEIGHTS

Size	Dimensions																WEIGHT								
	TI-8		SI-8		TI-8		SI-8		TI-8		SI-8		SI-8		TI-8		SI-8								
	A	A	B	B	C	C	D	D	E	F	E	F	Lbs.	Kg.	Lbs.	Kg.									
¼	8	1.61	41	—	—	2.76	70	—	—	2.13	54	—	—	0.39	10	—	—	—	—	—	—	0.55	0.25	—	—
⅜	10	1.61	41	1.57	40	2.76	70	2.76	70	2.13	54	2.13	54	0.39	10	0.39	10	.50	13	0.38	10	0.55	0.25	0.55	0.25
½	15	1.69	43	1.77	45	2.83	72	2.83	72	2.13	54	2.13	54	0.50	12	0.50	13	.63	16	0.50	13	0.59	0.27	0.59	0.27
¾	20	1.85	47	2.32	59	3.31	84	3.31	84	2.13	54	2.13	54	0.75	19	0.75	19	.88	22	0.75	19	0.77	0.35	0.77	.035
1	25	2.13	54	2.76	70	3.86	98	3.86	98	2.40	61	2.40	61	0.94	24	0.94	24	1.13	29	0.91	23	1.06	0.48	1.06	0.48
1¼	32	2.40	61	2.87	73	4.57	116	4.57	116	3.03	77	3.03	77	1.25	32	1.25	32	1.38	35	0.97	25	1.54	0.70	1.54	0.70
1½	40	2.56	65	3.19	81	4.92	125	4.92	125	3.03	77	3.03	77	1.48	38	1.48	38	1.63	41	1.09	28	2.11	0.96	2.11	0.96
2	50	2.83	72	3.90	99	6.02	153	6.02	153	3.27	83	3.27	83	1.94	49	1.94	49	2.13	54	1.34	34	3.17	1.44	3.17	1.44
*2½	65	3.50	89	4.61	117	7.32	186	7.32	186	4.13	105	4.13	105	2.48	63	2.48	63	2.63	67	1.47	37	3.79	2.63	5.79	2.63
*3	80	3.98	101	5.20	132	8.70	221	8.70	221	4.41	112	4.41	112	2.95	75	2.95	75	3.13	80	1.66	42	8.10	3.68	8.10	3.68
*4	100	4.57	116	—	—	10.16	258	—	—	6.67	172	—	—	3.62	92	—	—	—	—	—	—	20.94	9.52	—	—

\*Conventional Port only

# Bronze Ring Check® Valve

Inline Lift Type • Resilient Discs • Spring Actuated



**125 PSI/9 Bar Saturated Steam (PTFE Disc only)**  
**200 PSI/14 Bar Non-Shock Cold Working Pressure**

## MATERIAL LIST

PART	SPECIFICATION
1. Body	Bronze ASTM B 584 Alloy C84400
2. Stem	Stainless Steel ASTM A 582 Alloy C30300
3. Spring	316 Stainless Steel
4. Disc Holder	Stainless Steel Type 301
5. Disc	Buna-N
6. Seat Screw	Stainless Steel ASTM A 276 Alloy S43000
7. Body End	Bronze ASTM B 584 Alloy C84400



**T-480**

Threaded



**S-480**

Solder

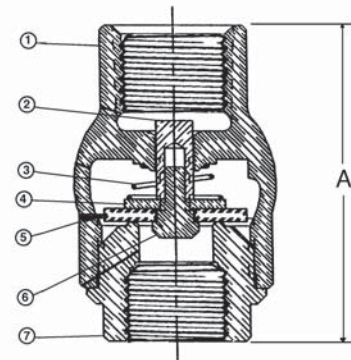
## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions						T-480		S-480		
	A		B		C		in.	mm.	Lbs.	Kg.	
in.	mm.	in.	mm.	in.	mm.	in.	mm.				
3/8	10	2.00	51	1.38	35	1.44	37	0.41	10	0.44	0.20
1/2	15	2.06	52	1.38	35	1.19	30	0.36	9	0.40	0.18
3/4	20	2.25	57	1.63	41	1.31	33	0.48	12	0.52	0.24
1	25	2.63	67	2.00	51	1.50	38	0.77	29	0.85	0.39
1 1/4	32	2.94	75	2.38	60	1.69	43	1.14	25	1.28	0.58
1 1/2	40	3.31	84	2.75	70	2.00	51	1.63	41	1.75	0.79
2	50	3.69	94	3.38	86	2.31	59	2.27	58	2.70	1.23

Ordering: The T-480 and S-480 both have standard Buna-N Discs.

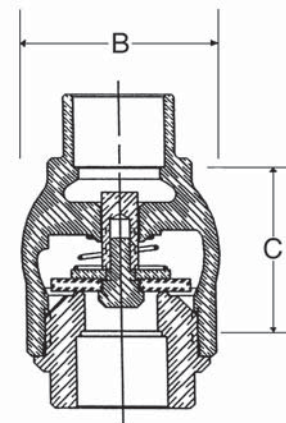
Also available with PTFE (Y) Discs; specify T-480-Y or S-480-Y.

Note: 3/8" thru 2" require 1/2 pound pressure to open.



**T-480**

NPT x NPT



**S-480**

Cup x Cup

# Brass Check Valves

Brass Body • Swing Type Check

**200 PSI/14 Bar Non-Shock Cold Working Pressure**  
**Truesdail LAB listed to NSF/ANSI 61-8**

## MATERIAL LIST

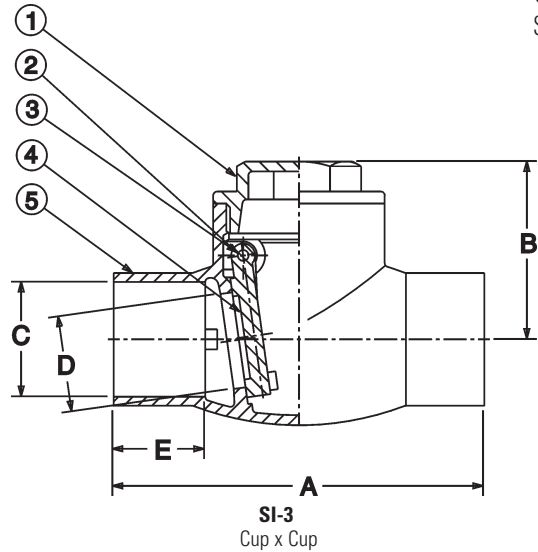
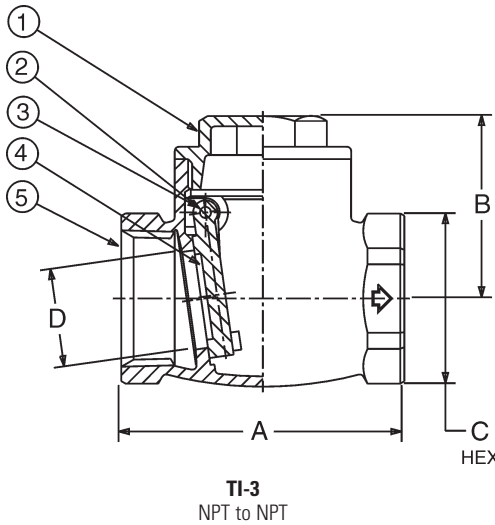
PART	SPECIFICATION
1. Bonnet	Bronze ASTM B 584 Alloy C85700
2. Plug	Bronze ASTM B 16 Alloy C36000
3. Pin	Brass ASTM B 16 Alloy C37700
4. Disc	Brass ASTM B 124 Alloy C37700
5. Body	Brass ASTM B 584 Alloy C85700 or Alloy C83600



**TI-3**  
Threaded



**SI-3**  
Solder







## DIMENSIONS—WEIGHTS

Size	Dimensions															WEIGHT							
	TI-3		SI-3		TI-3		SI-3		TI-3		SI-3		TI-3		SI-3		TI-3		SI-3				
	A	A	B	B	C	C	D	D	E	D	D	E	Lbs.	Kg.	Lbs.	Kg.	Lbs.	Kg.	Lbs.	Kg.			
1/2	15	2.05	52	2.13	54	1.50	38	1.50	38	1.00	25	0.63	16	0.52	13	0.52	13	0.50	13	0.46	0.21	0.46	0.21
3/4	20	2.32	59	2.99	76	1.57	40	1.57	40	1.22	31	0.88	22	0.70	18	0.70	18	0.75	19	0.66	0.30	0.66	0.30
1	25	2.72	69	3.66	93	1.77	45	1.77	45	1.50	38	1.13	29	0.94	24	0.94	24	0.91	23	0.92	0.42	0.92	0.42
1 1/4	32	3.11	79	4.09	104	2.01	51	2.01	51	1.85	47	1.38	35	1.24	32	1.24	32	0.97	25	1.60	0.73	1.60	0.73
1 1/2	40	3.50	89	4.57	116	2.17	55	2.17	55	2.11	54	1.63	41	1.42	36	1.42	36	1.09	28	1.79	0.81	1.79	0.81
2	50	4.29	109	5.51	140	2.64	67	2.64	67	2.60	66	2.13	54	1.81	46	1.81	46	1.34	34	2.87	1.30	2.87	1.30
2 1/2	65	5.31	135	—	—	3.31	84	—	—	3.23	82	—	—	2.26	57	—	—	—	—	5.29	2.40	—	—
3	80	6.30	160	—	—	3.78	96	—	—	3.78	96	—	—	2.70	69	—	—	—	—	8.82	4.01	—	—
4	100	7.38	190	—	—	4.45	113	—	—	4.80	122	—	—	3.78	96	—	—	—	—	13.23	6.01	—	—

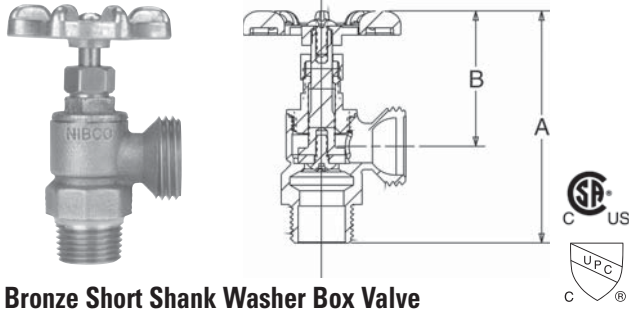
# Washer Box Valves & Water Meter Stop Valves

## Illustrated Index

<p>Bronze Washer Box Valve Short, Medium or Long Shank Design</p>  <p><b>64/64C/64FC</b> Sizes 1/2" Cup or Male to Hose page 32</p>	<p>Bronze Washer Box Valve 2 Pc Long Shank Design</p>  <p><b>64L/64LA</b> Sizes 1/2" Cup or Male to Hose page 32</p>	<p>Bronze Water Meter Angle Stop Valve</p>  <p><b>577-17</b> Sizes: 3/4"x 1/2", 3/4"x 3/4", 1"x 3/4" Flare x FIP page 32</p>
<p>Bronze Water Meter Angle Stop &amp; Waste Valve with Drain Port</p>  <p><b>578-17</b> Sizes: 3/4"x 1/2", 3/4"x 3/4", 1"x 3/4" Flare x FIP page 32</p>		

# Washer Box Valves

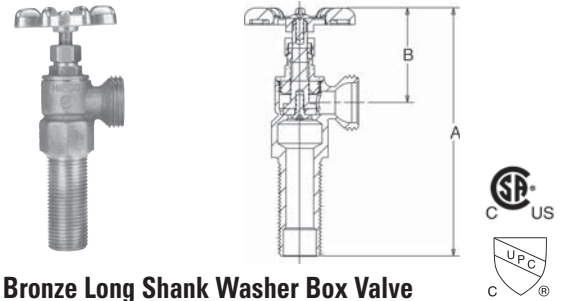
125 lb. CWP to 100°F • Maximum Temperature 180°F



**64 Bronze Short Shank Washer Box Valve**

DESCRIPTION	Size	DIMENSIONS		APPROX. NET WT.
		A	B	
Cup or Male to Hose	1/2	3.30"	1.82"	.00 lb

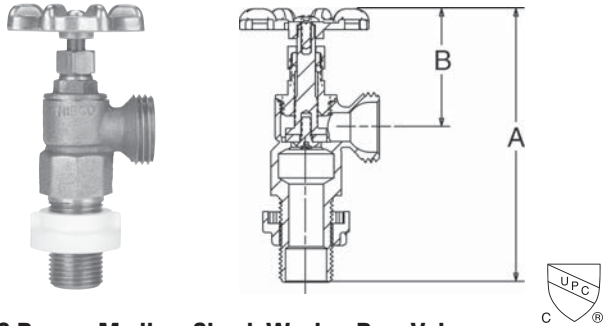
IAPMO Listed to cUPC®



**64L 1-pc Bronze Long Shank Washer Box Valve**

DESCRIPTION	Size	DIMENSIONS		APPROX. NET WT.
		A	B	
Cup or NPSL/NPT to Hose	1/2	5.0"	1.82"	.00 lb

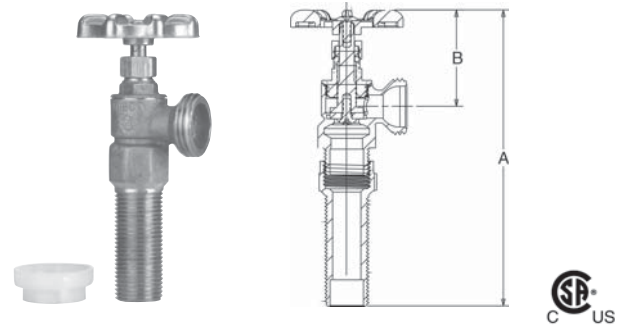
IAPMO Listed to cUPC®



**64FC Bronze Medium Shank Washer Box Valve**

DESCRIPTION	Size	DIMENSIONS		APPROX. NET WT.
		A	B	
Cup or Male to Hose	1/2	4.17"	1.82"	.48 lb

IAPMO Listed to cUPC®

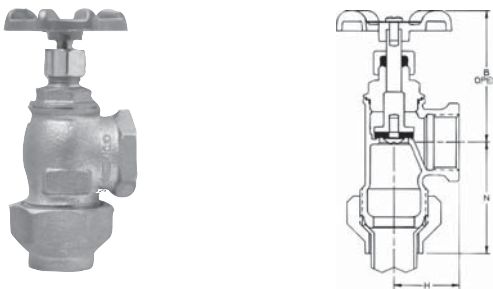


**64LA Bronze Long Shank Washer Box Valve w/Adapter**

DESCRIPTION	Size	DIMENSIONS		APPROX. NET WT.
		A	B	
Cup or Male to Hose	1/2	5.59"	1.82"	.000 lb

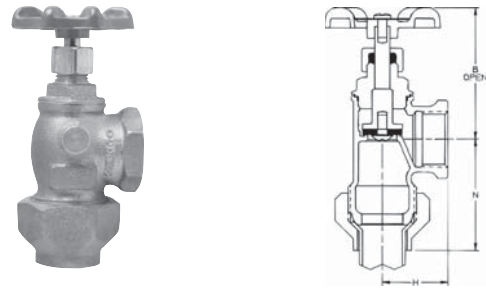
# Water Meter Valves

125 lb. CWP to 100°F • Maximum Temperature 180°F • All Bronze Body • Copper Alloy Stem and Nut



**577-17 Bronze Angle Stop**




DESCRIPTION	Size	DIMENSIONS			APPROX. NET WT.
		B	H	N	
Flare x FIP	3/4 x 1/2	2.56"	1.18"	1.94"	1.00 lb
	3/4	2.56"	1.18"	1.94"	.90 lb
	1 x 3/4	2.56"	1.81"	2.31"	1.20 lb



**578-17 Bronze Angle Stop & Waste**

DESCRIPTION	Size	DIMENSIONS			APPROX. NET WT.
		B	H	N	
Flare x FIP	3/4 x 1/2	2.56"	1.18"	1.94"	.90 lb
	3/4	2.56"	1.18"	1.94"	.90 lb
	1 x 3/4	2.56"	1.81"	2.31"	1.20 lb

## Plastic Valves - Index Page

<p>PVC Sch 40 Ball Valve 150 PSI CWP</p>  <p><b>4660-S/4660-T</b> Sizes 1/2" - 4" Threaded or Socket Ends page 34</p>	<p>CPVC-CTS Ball Valve 150 PSI CWP</p>  <p><b>4770</b> Sizes 1/2" - 2" CTS Socket Ends page 35</p>	<p>Just Right® Hot Water Circulating Device</p>  <p><b>4750</b> Sizes 1/2" or 3/4" Compression Connections page 36</p>
--	---	---

**\* DO NOT USE OR TEST THE PLASTIC VALVES LISTED IN THIS CATALOG WITH COMPRESSED AIR OR OTHER GASSES.**

# PVC Ball Valves

One-Piece Molded PVC Body • Threaded or Socket Ends

**150 PSI/10.3 Bar Non-Shock Cold Working Pressure to 73° F/23° C**  
**NSF Listed to NSF/ANSI 14**

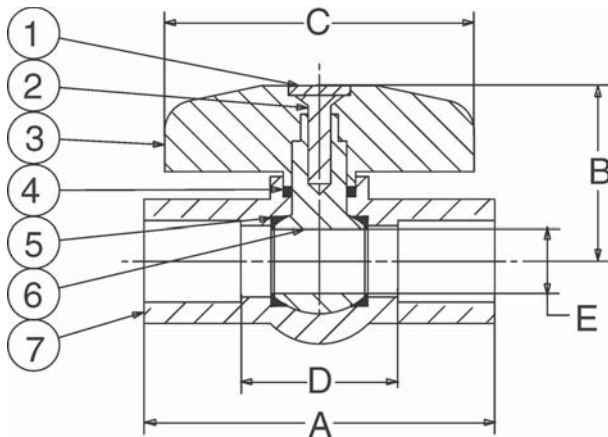


**4660-S**  
Socket Weld

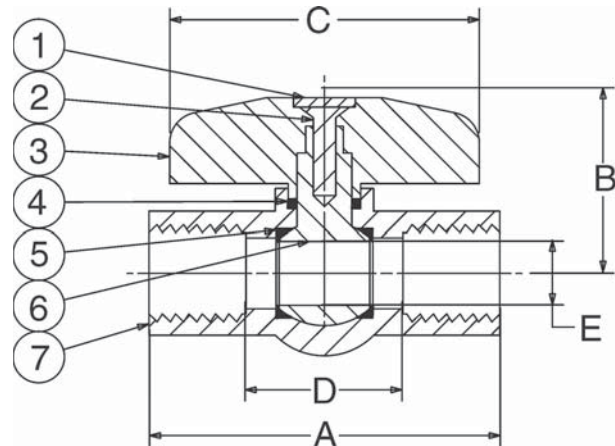
**4660-T**  
Threaded  
(not shown)

## MATERIAL LIST

PART	SPECIFICATION
1. Handle Cap	ABS
2. Screw	Zinc Plated Steel
3. Handle	ABS
4. O-Ring	EPDM
5. Seat Seal	PTFE, EPDM
6. Ball	PVC
7. Body	PVC



**4660-S**  
Socket x Socket



**4660-T**  
Threaded x Threaded

## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										4660-S		4660-T		
	A		B		C		D		E		Lbs.	Kg.	Lbs.	Kg.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.
½	15	3.27	83	1.69	42	2.76	70	1.52	39	0.55	14	0.17	0.08	0.18	0.08
¾	20	3.74	95	2.13	54	3.46	88	1.74	44	0.79	20	0.30	0.14	0.32	0.14
1	25	4.17	106	2.56	65	3.94	100	1.92	49	0.98	25	0.47	0.21	0.51	0.23
1 ¼	32	4.49	114	2.64	67	3.94	100	1.99	50	1.18	30	0.58	0.26	0.63	0.29
1 ½	40	5.12	130	3.07	78	4.29	109	2.37	61	1.42	36	0.91	0.41	0.97	0.44
2	50	5.79	147	3.50	89	5.28	134	2.79	71	1.83	46	1.50	0.68	1.60	0.73
2 ½	65	8.03	204	4.13	105	7.01	178	4.53	115	2.36	60	2.78	1.26	2.93	1.33
3	80	9.01	229	4.88	124	8.82	224	5.27	134	3.03	77	4.05	1.84	4.33	1.97
4	100	11.81	300	5.83	148	10.87	276	7.31	197	3.98	101	8.18	3.92	8.44	3.84

Note: Socket ends per ASTM D 2466  
Thread ends per ANSI B1.20.1

# CPVC-CTS Ball Valve

One-Piece Molded CPVC Body • Socket Ends

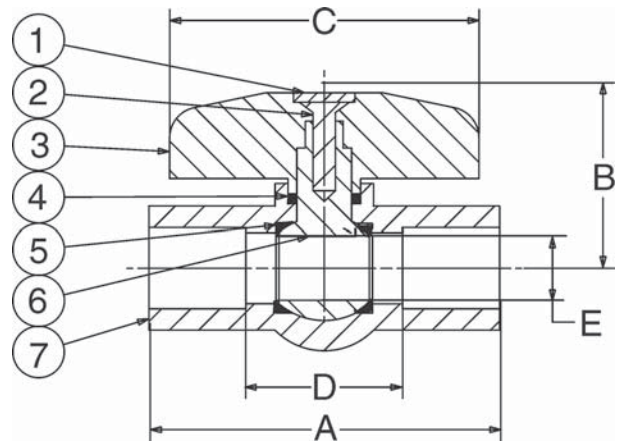
**150 PSI/10.3 Bar Non-Shock Cold Working Pressure to 73° F/23° C**  
**NSF Listed to NSF/ANSI 61**



**4770**  
Socket Weld

## MATERIAL LIST

PART	SPECIFICATION
1. Handle Cap	ABS
2. Screw	Zinc Plated Steel
3. Handle	ABS
4. O-Ring	EPDM
5. Seat (2)	PTFE
6. Ball	CPVC
7. Body	CPVC



**4770**  
Socket x Socket

## DIMENSIONS—WEIGHTS—QUANTITIES

Size	Dimensions										Weight		
	A		B		C		D		E		Lbs.	Kg.	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.		
½	15	2.68	68	1.34	34	2.36	60	1.20	33	0.49	12	.19	.08
¾	20	3.27	83	1.76	45	2.76	70	1.87	47	0.72	18	.35	.16
1	25	3.74	95	2.10	53	3.46	88	1.94	49	0.93	24	.54	.24
1 ¼	32	4.17	106	2.56	65	3.94	100	1.95	38	0.98	25	.70	.32
1 ½	40	4.49	114	2.64	67	3.94	100	1.97	50	1.18	30	1.06	.48
2	50	5.69	144	3.07	78	4.29	109	2.31	59	1.42	36	1.73	.79

Note: Pocket ends per ASTM D 2846. NSF61 Approved

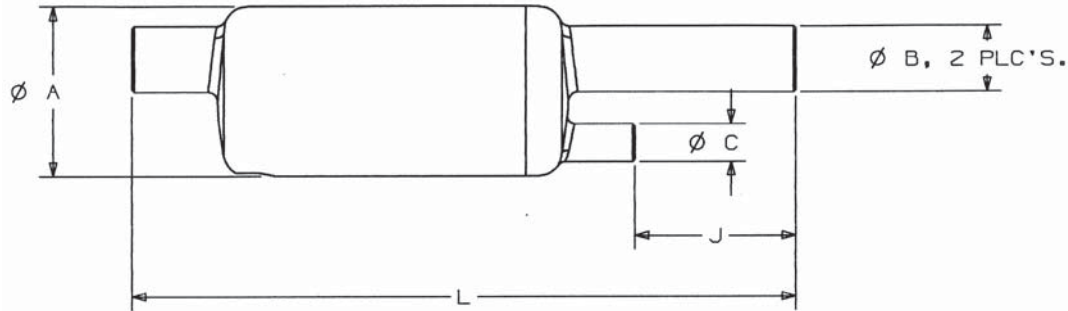
# Just Right. Hot Water Circulating Device

*Hot Water In Seconds!*

**CPVC FlowGuard Gold® Body**  
**IAPMO Listed to UPC**  
**NSF Listed to NSF/ANSI 14, NSF/ANSI 61, and ASTM 1970**  
**Five Year Warranty**

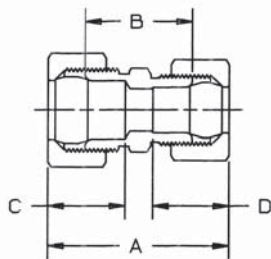


**4750**



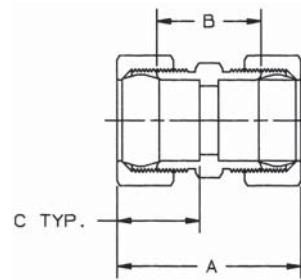
**Fig. 4750 Dimensions — Weight — Packaging — Price**

A	B	C	J	L	Net Weight (lbs)	Box	Packaging Case	Skid	UPC Code 039923	List Price
2.250	.875 ( $\frac{3}{4}$ " CTS)	.500 ( $\frac{1}{2}$ " CTS)	2.12	8.75	1.565	1	8	512	282705	<b>\$ 65.00</b>



**5/8" x 1/2" COMPRESSION FITTING Dimensions**  
(1/2" x 3/8" CTS)

A	B	C	D	Net Weight (lbs)
1.75	1.04	.75	.74	.1295



**7/8" x 7/8" COMPRESSION FITTING Dimensions**  
(3/4" x 3/4" CTS)

A	B	C	Net Weight (lbs)
2.02	1.15	.90	.3360

See page 37 for more information on use and installation.

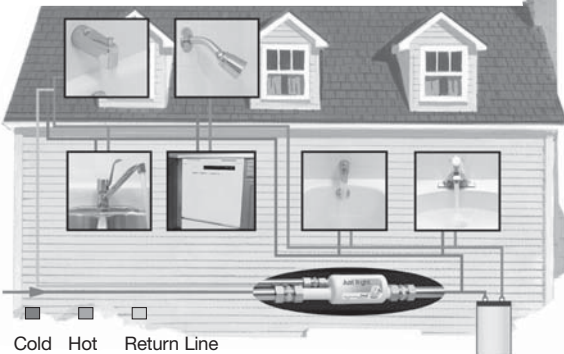
# Just Right® System delivers hot water right NOW.

If you're tired of turning on the faucet, and then waiting and waiting for hot water to finally get there, you owe it to yourself and your family to check out Just Right®.

Just Right recirculates the cooled water in your hot water pipes back into your water heater, and replaces it with the hot water you want. So you have hot water right away, at every faucet in your home.

## How the Just Right unit works.

One Just Right device is installed near the water heater, in the main water line. A return line is then added that connects the faucet farthest away to the Just Right unit. This creates a closed plumbing loop. Taking advantage of natural convection, water that cools off



while it's in your hot water pipes returns to the water heater to be reheated. You always have hot water at every faucet.

## Natural recirculation requires no electricity.

Convection – warm water rising and cooled water falling – is the principle that makes Just Right work. It occurs naturally, so it doesn't use electricity or

natural gas. And there is only one moving part in the entire Just Right unit.



## Just Right actually saves up to 14,000 gallons of water per year.

When you wait and wait and wait for hot water to get to a faucet, that water typically goes down the drain, into the sewer or septic system. An average family of four wastes 7,000 to 14,000 gallons of water per year this way. With Just Right, that water is saved, reheated, and ready for you to use.

## Installs in new or existing homes.

If you're planning a new home, you should talk to your builder right away because Just Right is easily installed while the home is being plumbed.

Just Right can also be installed in most existing homes; the inset article that follows explains the installation process.

## Installation of the Just Right system.



Determine that your main hot water line is above the water heater. This likely is the case if your water heater is in the basement or crawl space. This allows hot water to rise and the cooled water to fall in a continuous loop once Just Right is installed.



Install the Just Right device in the main cold water pipe that feeds your water heater. In retrofit situations, this means cutting a 9 1/4" section out of the existing pipe and replacing that section with the Just Right device, using the compression fittings provided.



Install a return line that connects the Just Right device and the hot water faucet that is farthest from the water heater, using 1/2" hard copper or 3/8" soft copper tubing. Note: Consider hiring a plumber to complete this step.

Once Just Right is installed, you can turn on any water faucet in the house and get hot water in seconds, eliminating the wait and the waste normally required for the cold water in the line to clear. Hot water is now inches from the faucet rather than waiting in the basement.



**Just Right.**

*Hot water. Right NOW!*

**NIBCO**  
AHEAD OF THE FLOW®

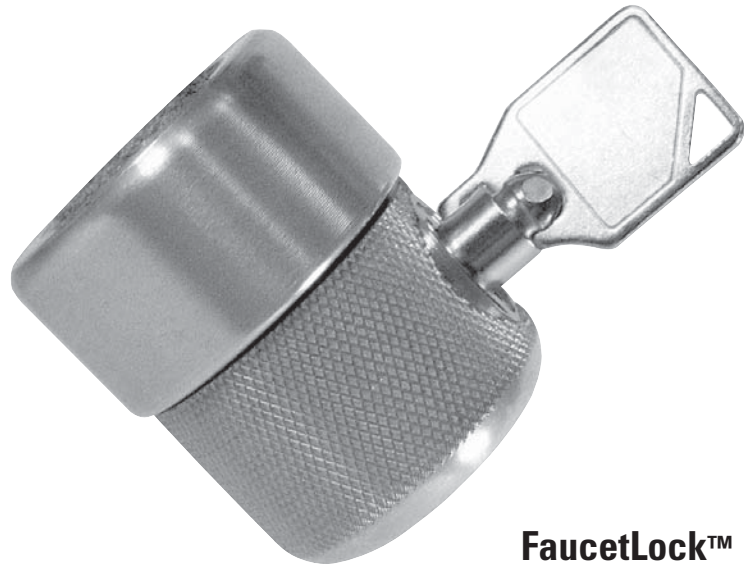
# FAUCETLOCK™

## Protect Your Water Supply

Perfect for use in your:

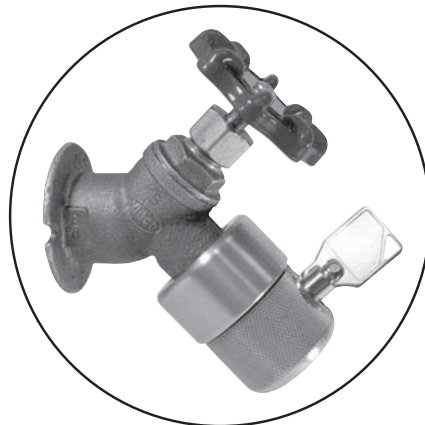
Front & Backyard,  
Vacation Home, Condo,  
Apartment House,  
Dock, Campsite,  
Storefront, School,  
Trailer Park,  
Parking Lot,  
Gas Station...

**Save Water ... Save Money**



### FaucetLock™

Fits standard 3/4" hose thread



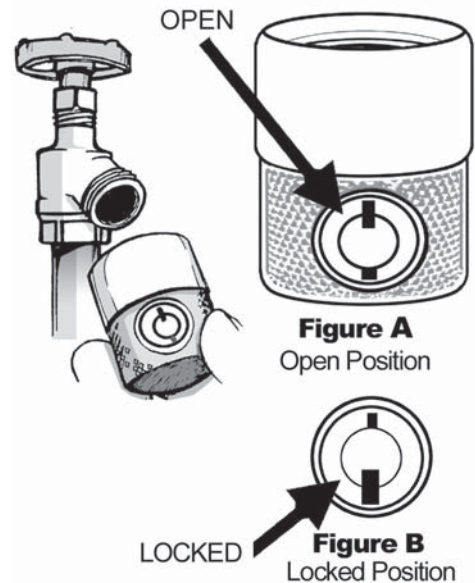
**Extra Key Included  
No Tools Required  
Twist On & Lock**

PATENT PENDING











### Installation Instructions

1. Inspect FaucetLock's threads for dirt and debris, and clean if necessary.
2. View lock, make sure key notches are in aligned (OPEN) position. (See Figure A)
3. Hold lock by its textured ring and screw onto hose bibb in a clockwise direction until tight.
4. Insert key and turn clockwise half a turn then remove key. FaucetLock is now in its secured and locked position. (See Figure B) (FaucetLock is secured on hose bibb if the textured ring spins freely)
5. To remove FaucetLock, insert key and rotate half a turn counterclockwise. Remove key. Hold textured ring and turn counterclockwise until FaucetLock screws off the hose bibb.
6. While FaucetLock is detached from hose bibb, be careful not to allow dirt or debris to get into lock or threads.

*Freezing weather precaution: If installed on a frostproof sillcock, make sure valve has had time to drain after closing and before installation of FaucetLock™.*



# Low Pressure Valve Handwheel Options & Accessories

<p><b>Standard No Kink and Hose Bibbs Tee Handle</b>                  Sizes 1/2" - 3/4".                  Available as standard for all NIBCO valves with spline drive. Blue or silver color</p>	
<p><b>Cross Handles for the Classic Pro and T or S29 Valves</b>                  Available for Classic Pro or T/S 29 Valves 1/2" thru 2".                  Used where standard handwheel would be out of reach or hand space is restricted.                  For field replacement, specify valve type and size. Spline drive only.</p>	
<p><b>Iron Handwheel for Brass Gate Valves</b>                  Available for NIBCO 1/4" thru 4".                  For field replacement, specify valve type and size. Square Stem Only.</p>	
<p><b>Lock Shield Bonnet Assembly Lockshield</b>                  Available for NIBCO Classic Pro and Husky Valves 1/2"-3/4", except straight hose bibbs.                  Use where valve might be subject to unauthorized use or tampering.</p>	
<p><b>Lockshield Handwheel</b>                  Available for NIBCO Classic Pro and Husky Valves, except straight bibbs.                  Used as handle for lockshields. Specify – "Lockshield Handle."                  For field replacement, specify valve type and size. Spline drive only.</p>	
<p><b>Classic Pro Handwheel (2 1/8" Round)</b>                  Available for NIBCO Classic Pro valves 1/2"-3/4".                  Fits spline stem only. Available in blue or red.</p>	
<p><b>29 Replacement Handwheel</b>                  Available for NIBCO S or T 29 Bronze Gate Valve sizes 1/2"-2".                  For field replacement only.</p>	
<p><b>Stem Extension</b>                  Available for any 1/2" - 2" 580-A Series and 1/4" - 4" FP-600-A Series brass ball valves.                  Allows for 2" of insulation.</p>	
<p><b>Waste Cap with Rubber Gasket</b>                  A fast and convenient means for draining sections of line between valves.                  Fits NIBCO Low Pressure Valves sizes 1/4" - 3/4".</p>	
<p><b>C750 Vacuum Breaker</b>                  Fits 3/4" hose thread ends — hose bibbs, sillcocks, boiler drains.                  Break off screw for permanent installation.</p>	

NIBCO INC. reserves the right to change materials, options and accessories without notice.

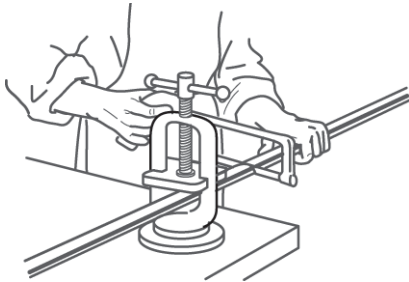
# Installations Instructions for Metal Connections

Analyze the application to determine which valve is best suited for installation, keeping in mind the service for which the valve is recommended. Before installing the correct valve, review the following installation instructions to prevent damage to the valve and assure its maximum efficiency.

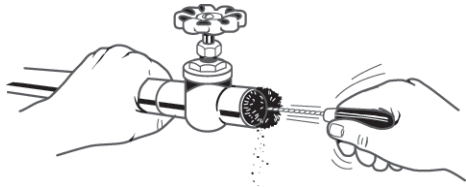
For Plastic Installation Instructions, contact Technical Services at 1.888.446.4226.

## SOLDERING

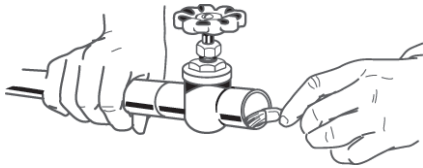
1. Cut tube end square. Ream, burr and size.



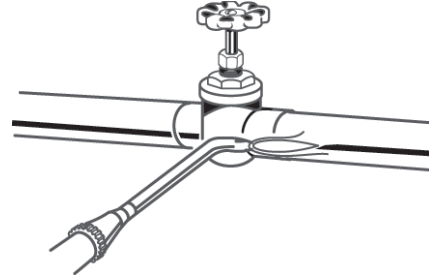
2. Use sand cloth or steel wire brush to clean both tube and cup to a bright metal. Steel wool is **not** recommended.



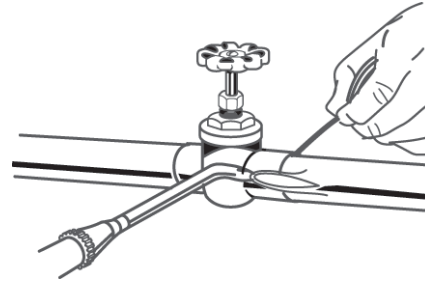
3. Apply flux to outside of tube and inside of solder cup. Surfaces to be joined must be completely covered. Use flux sparingly.



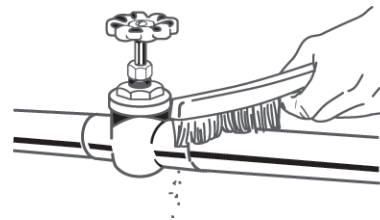
4. **Be sure that valve is fully open.** This applies only to globe and gate valves. Apply heat to tube first. Transfer as much heat as possible through the tube into the valve. Avoid prolonged heating of the valve itself. **For ball valves,** consult the installation instruction sheet or contact NIBCO Technical Services for assistance.



5. Use just enough solder: with wire solder, use 1" for 3/4" valve, etc. If too much solder is use, it may flow past tube and clog seating area. **The correct amount of solder is 1½ times the diameter of the fitting or valve.**



6. Remove excess solder with small brush while plastic (soft), leaving a fillet around end of valve as it cools.



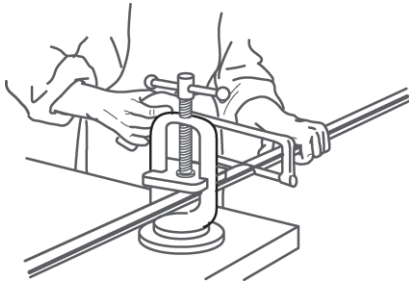
## BRAZING

The strength of a brazed joint does not vary appreciably with the different brazing materials, but depends to a large extent upon the maintenance of proper clearance between the outside of the tube and the valve socket. The interior dimensions of brazing valve sockets are machined to the closest tolerances and finished smooth to promote full capillary attraction.

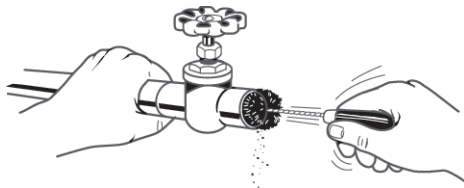
**NOTE:** Care should be observed in cleaning and in removing residues of the cleaning medium. Attempting to braze a contaminated or improperly cleaned surface will result in an unsatisfactory joint. Brazing alloys will not flow over or bond to oxides. Oily or greasy surfaces repel fluxes, leaving bare spots that oxidize and result in voids and inclusions.

## Installation Instructions for Metal Connections (cont.)

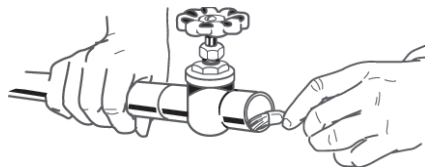
1. Cut tube end square to exact length needed, so that tube will enter valve socket all the way to the shoulder. Ream, burr and file.



2. Clean tube to a distance slightly more than what will fit into the socket, and clean valve socket. Wire brushes may be used, but avoid removing an excessive amount of metal. Fine sand cloth or emery cloth may be used with the same precautions. Steel wool is **not** recommended.



3. Apply flux to tube and socket sparingly and with a fairly thin consistency. Avoid flux on areas not cleaned, particularly inside of tube.

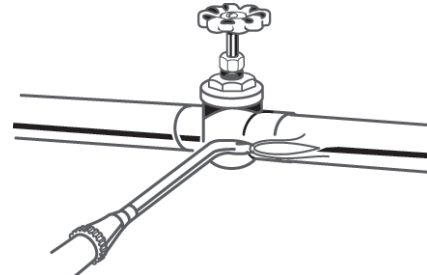


4. Assemble parts to be brazed. If fluxed parts are allowed to stand, the water in the flux will evaporate. Dried flux is liable to flake off, exposing metal surfaces to oxidation. Assemble joint by inserting tube into socket hard against the stop. The assembly should be firmly supported so that it will remain in alignment during the brazing operation. **Removal of bonnet is recommended when installing globe valves with soft seats.**

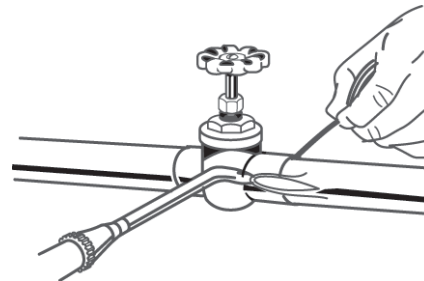
5. Apply heat to parts to be joined. The preferred method is by oxy-acetylene flame. Heat tube first, beginning one inch from edge of valve. Sweep flame around tube in short strokes up and down at right angles to run of tube. To avoid burning through tube, the flame should be in continuous motion and not allowed to remain on any one point.

Apply flame to valve at base of socket. Heat uniformly, sweeping flame from fitting to tube until flux on fitting becomes quite. Avoid excessive heating of valve.

When flux appears liquid and transparent on both tube and valve, start sweeping flame back and forth along axis of joint to maintain heat on parts to be joined, especially toward the base of the valve socket.



6. Apply brazing wire or rod at point where tube enters valve socket. Keep flame away from rod or wire as it is fed into the joint. Move flame back and forth as alloy is drawn into joint. When the proper temperature is reached, alloy will flow readily into space between tube outer wall and valve socket. When joint is filled, a continuous rim of brazing alloy will be visible.



### THREADING

Grit, dirt or any foreign matter accumulated in the pipe can hinder efficient valve operation and seriously damage vital valve parts. Thoroughly clean pipe internally with air or steam.

When threading pipe, gauge pipe threads for size and length to avoid jamming pipe against seat and disc. Thoroughly clean threaded end to remove any harmful steel or iron deposits. Apply pipe dope sparingly on pipe threads, never on valve threads. Do not allow any pipe dope into valve body in order to avoid damage to disc and seat.

Before installation, check line of flow through valve so that valve will function properly. Close valve completely before installation. Apply wrench to hex next to pipe and guard against possible distortion. After installation of valve, support the pipe line; a sagging pipe line can distort the valve and cause failure.

### COMPRESSION

For compression end connection, first slide compression nut onto copper tube, then slide on ferrule. Install the valve onto the copper tube and gently slide compression nut and ferrule up to the valve to engage. Do not use pipe dope. Tighten nut until resistance is felt. Tighten additional 1/2 turn. **DO NOT OVER TIGHTEN!**

# Installation Instructions for Frostproof Sillcock

## HOW THE FIGURE 95C WORKS

As shown on the schematic drawing on the right, the closing member (stem and disc assembly) of the Figure 95C Frostproof Sillcock operates by turning the handle in a clockwise manner to close and counter-clockwise to open.

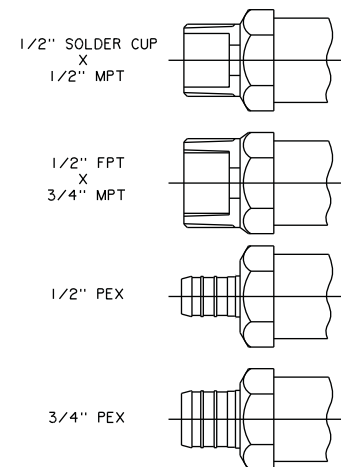
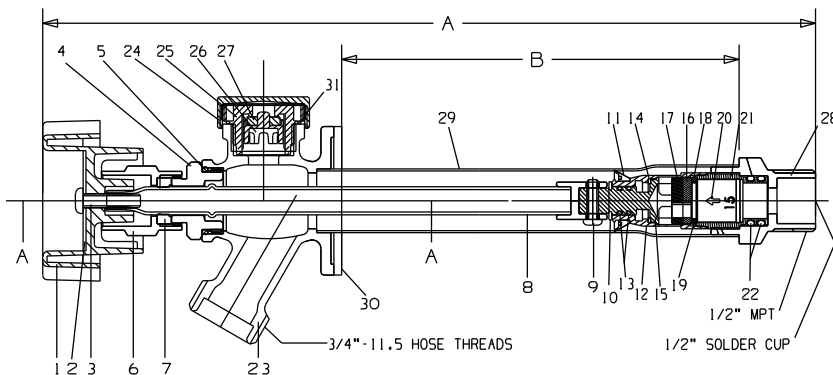
The valve's seat is at the opposite end from the handle. The valve is designed so that the seat area is situated safely behind the insulation of the home's exterior wall. This is to prevent the seat area from being exposed to freezing temperatures. Depending on the region of installation, the stem length is available in varying dimensions to accommodate the various insulation thicknesses behind the wall. The valve's "rough-in" dimension (see "A" dimension) pertains to the thickness of insulation and is measured from the frostproof sillcock's flange to the valve seat and is available in lengths 4", 6", 8", 10", 12" and 14".

The Figure 95C is designed to employ an integral back-flow prevention device to prevent potential back-siphonage. This back-siphonage, if unchecked, could compromise the safe potable water supply to the home, resulting in sickness or death.

The independent testing bodies, American Society of Sanitary Engineering and Canadian Standards Association, have validated the valve's primary and preventative functions.

## TIPS FOR LONG LIFE

1. The hose should be carefully moved about, so as not to cause abnormal tension via pulling and/or jerking.
2. If the hose is left on the Figure 95C in freezing weather, the valve's self-draining feature will protect the sillcock from freeze damage if: 1) the nozzle is not left affixed to the hose; and 2) the entire hose length is on a plane lower than the fixed position of the frostproof sillcock.
3. The key to the Figure 95C being able to withstand and operate in freezing weather is that the closing member (seat disc) is inside the heated building. If the heat is temporarily shut down for a length of time that would allow freezing to take place, all water lines should be drained.
4. The figure 95C closes at the inlet of the sillcock. You will notice that it will drip for a few seconds after being closed. Wait at least 10 seconds.



## INSTALLATION INSTRUCTIONS

1. Bore a 1 1/4" dia. hole through the wall in the desired position. A slight upward slope when drilling hole will aid sillcock in draining.
2. Insert the sillcock through the hole and position spout downward. To help position the sillcock from inside the building, "TOP" is marked on the inlet end.
3. Connect water supply line to sillcock inlet using appropriate style connection.
4. Secure sillcock flange to wall using suitable screws. For installation on lapped siding, a plastic siding plate is supplied to give a finished look.

\* **Warning: Avoid overheating when soldering — it could cause internal damage to seat area.**

## Figure Number Comparison

### Brass Ball Valves

For use as a guide only — some differences in design and materials are possible

NIBCO	AY McDonald	B&K	Hammond	Jomar	Legend	Matco-Norca	Red & White	Watts
S-580A	2030S		8211		S-800	752CN		WBVS-3
T-580A	2030T		8201		T-800	752TN		WBV-3
SFP-600A	2032S	107-500	8911	T100C-E	T-2000	757C	5044F	FBVS3C
TFP-600A	2032T	107-700	8901	S100C-E	S-2000	757T	5049F	FBV3C
SFP-600-AD	2033S	107-550	8711		S-1100	754D	5063	

## Figure Number Comparison

### Gas Valves and Log Lighters

For use as a guide only — some differences in design and materials are possible

NIBCO	AY McDonald	B&K	Hammond	Jomar	Legend	Red & White	Watts
GB1A	10709/10710	110-120	875	T-204/T-205	T3005	RW5200L	GBV
GB2A	10711				T-3001	RW5200S	
GBV38M/GBV12M	10716	116-510			T-300FLxMIP		
GBVA	10712	114-000	879	T-204	T-300FLxFIP		GBV-FL
GCH		117-592		T-204			

## Figure Number Comparison

### Frostproof Sillcock

For use as a guide only — some differences in design and materials are possible

NIBCO	Arrowhead	AY McDonald	B&K	Hammond	Legend	Mansfield	Matco-Norca	Red & White	Woodford
95C	426BFP/486BFP	2011HT	104-500HC			478/479	212		17
95CPEX		2011PHT	104-700HC			490	212PX		

## Figure Number Comparison

### Plastic Ball Valves

For use as a guide only — some differences in design and materials are possible

NIBCO	AY McDonald	B&K	KBI	Legend	Matco-Norca	Red & White	Southern Valve
4660S	2060S	107-630	EBV-S	S-600	770S	1384	400
4660T	2060T	107-130	3BV-T	T-600	770T	1380	401
4770	2062	107-120	CBV-S	T-605			

# Figure Number Comparison Quarter-Turn Supply Stop Valves

For use as a guide only — some differences in design and materials are possible

Inlet Size	Outlet Size	NIBCO	Brass Craft	Legend	Watts
1/2" nom. Comp. (5/8" OD)	1/4" OD Comp.	7145A	KTCR09C	T595	BV894153
1/2" nom. Comp. (5/8" OD)	3/8" OD Comp.	7145A	KTCR19C	T595	BV894003
1/2" nom. Comp. (5/8" OD)	1/2" OD Comp.	7145A	KTCR39C	T595	
1/2" nom. Comp. (5/8" OD)	7/16" Slip Joint	7145A	KT3341C	T593	BV894303
3/8" FIP	3/8" OD Comp.	7145ASJ	KTR15C	T595 FIP	BV889003
1/2" nom. Comp (5/8" OD)	3/8" OD x 3/8" OD	7145ADX		T597	BV389403
1/2" FIP	1/4" OD Comp.	7155A	KTR07C	T595 FIP	BV890153
1/2" FIP	3/8" OD Comp.	7155A	KTR17C	T595 FIP	BV890003
1/2" FIP	1/2" OD Comp.	7155A	KTR37C	T595 FIP	
1/2" FIP	7/16" OD Slip Joint	7155ASJ	KT3301C	T593 FIP	BV890303
1/2" CPVC	3/8" OD Comp.	7175A	KTPR19C	T595	BV892403
1/2" Sweat	1/4" OD Comp.	7125A	KTR09C		
1/2" Sweat	3/8" OD Comp.	7125A	KTR19C	T595	BV892003
1/2" nom. Pex Barb	3/8" OD Comp.	7165A	KTBRPX19C	T595	BV891203
1/4" nom. Comp. (3/8" OD)	3/8" OD Comp.	7140A	KTCR11C		
3/8" OD Female Comp.	3/8" OD Comp.	7140AF	KTCR11FC	T596	BV889253
1/2" nom Comp. (5/8" OD)	3/8" OD Comp.	7140A	KTCR14C	T596	BV894013
1/2" nom Comp. (5/8" OD)	7/16" Slip Joint	7140ASJ	KT3345C	T594	BV894313
1/2" nom Comp. (5/8" OD)	1/2" OD Comp.	7140A	KTCR34C		
3/8" FIP	3/8" OD Comp.	7150A	KTR10C	T596 FIP	BV889013
1/2" FIP	3/8" OD Comp.	7150A	KTR12C	T596 FIP	BV890013
1/2" CPVC	3/8" OD Comp.	7140A	KTPR17C		BV892413
1/2" Sweat	3/8" OD Comp.	7120A	KTR14C	T594	BV892013
1/2" Sweat	1/2" Pex Barb	7120A	KTRB4C		
1/2" Pex Barb	3/8" OD Comp.	7160A	KTBRPX14C	T596	BV891213
1/2" Pex Barb	1/2" Pex Barb	7160APEX	KTBRPX44C	T596	BV891313

# Figure Number Comparison

## Low Pressure Plumbing Valves

For use as a guide only — some differences in design and materials are possible

NIBCO	Arrowhead	AY McDonald‡	B&K‡	Hammond‡	Legend‡	Mansfield	Matco-Norca‡	Red & White‡	Watts‡
QT56X	301/302					44.42		RW303	
61	900/925	2003	108-000	1035	T-543				
QT63X	255/355	2015	108-100	1032	T-541	34.40	206H	RW252	SC4
QT763X	255SW	2014	108-500	1034	S-541		206C	RW272	SC3
72			102-094		S-521				BD1C
74-2					S-524				
73CL	222/220	2004	102-100	712	T-522	526.40	204F	RW503	BD3F
74CL	221/223	2003	102-000	710	T-521	526.42	204M	RW502	BD1
75CL	800/825	2018	105-000	445	T-501	20.40	201T	RW193	ST
76CL	802/827	2023	105-100	545	T-511	22.40	202C	RW213	SWT
725CL	800SW/825SW	2017	105-500	446	S-501	20.41	201T	RW223	SS
726CL	802SW/827SW	2022	105-600	546	S-511	22.41	202C	RW272	SWS
4476	702CC/725CC	2019	105-610	549	T-512		202CM		
4776					T-513				
77	850/870	2024	105-200	451	T-503				WAMV
777	851/871	2025	105-700		S-503				WAMV-W
4464			108-800		T-523	526.43			

‡ Indicates Valve Line is Import ONLY.

# Figure Number Comparison

## Low Pressure Plumbing Valves

For use as a guide only — some differences in design and materials are possible

NIBCO	Arrowhead	AY McDonald‡	B&K‡	Hammond‡	Legend‡	Mansfield	Matco-Norca‡	Red & White‡	Watts‡
64									WAS
64L									
64LA									
64ADP									
64FC									
577-17	851/871		105-763	548	T-441				
578-17	850/870		105-773	547	T-442				
S13		2050S	101-500	968	S-451		521C	247	WCVS
T13		2050T	101-000	967	T-451		521T	246	WCVS
S480				947	S-455				
T480				943	T-455				
S18		2035T	100-500	668	S-401		514C	268	WGVS
T18		2035S	100-000	667	T-401		514T	267	WGV
S29									
T29									

‡ Indicates Valve Line is Import ONLY.

# NIBCO Limited Warranty

*Applicable to NIBCO INC. Plumbing Specialty Products only*

NIBCO INC. warrants each NIBCO plumbing and heating valve to be free from defects in materials and workmanship under normal use and service for a period of two (2) years date of purchase.

In the event any defect occurs which the owner believes is covered by this Warranty, the owner should immediately contact Technical Services of NIBCO INC., either in writing or by telephone call, (888) 446-4226 or (574) 523-3480. The owner will be instructed to return said valve, at the owner's expense to NIBCO INC. or an authorized NIBCO INC. representative for inspection. In the event said inspection discloses to NIBCO INC.'s satisfaction that said valve is defective, a replacement shall be mailed free of charge to the owner, and NIBCO INC. shall further pay the installing contractor the sum of fifty dollars (\$50.00) to be applied toward the cost of installation of the replacement valve.

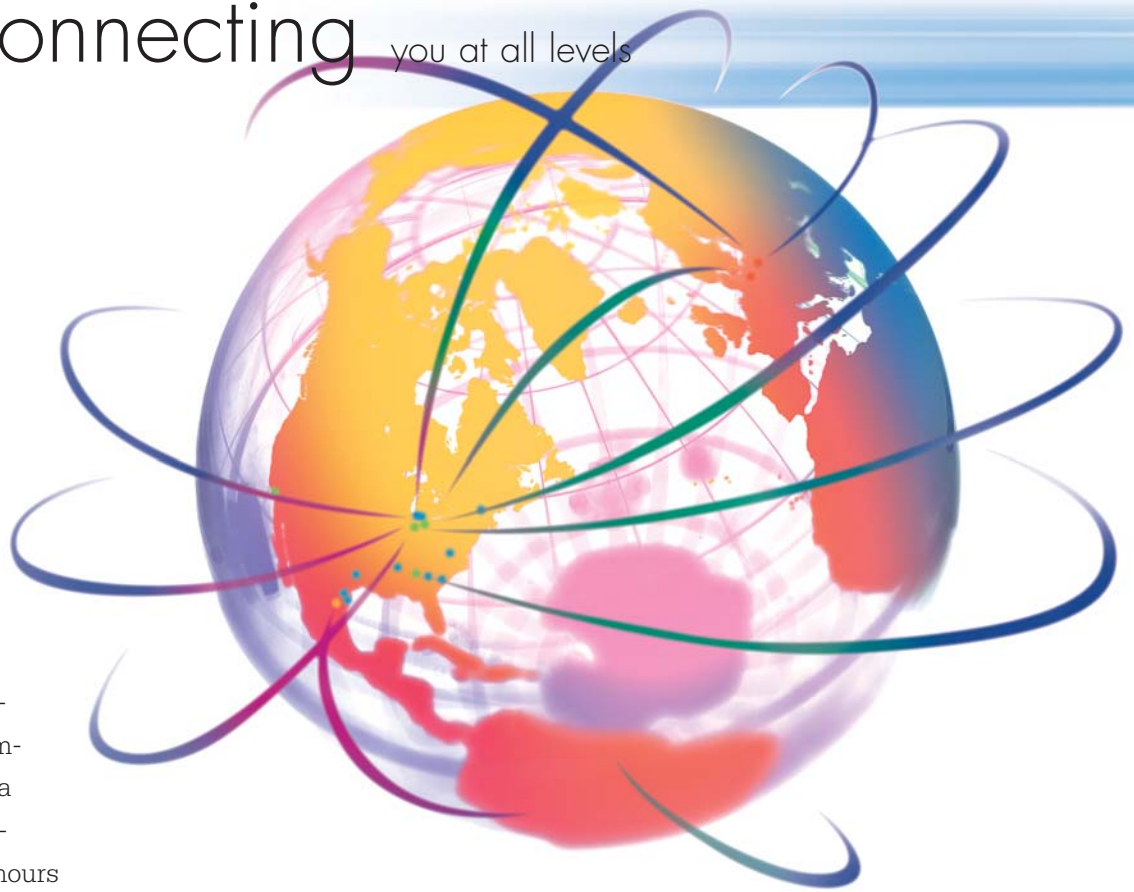
*Application to the NIBCO INC. Classic, Classic Pro and PRO-Stop® Valve Lines only*

For the Classic Pro, Classic and PRO-Stop Line of NIBCO INC. valves, NIBCO INC. warrants that all Classic Pro and Classic plumbing valves shall be free from defect for as long as the original owner maintains control of the product. In addition there is a (5 year), fifty dollar (\$50.00) limited warranty on the Classic, Classic Pro and PRO-Stop valve lines under the conditions given in the preceding section above. If a defect in a Classic, Classic Pro or PRO-Stop valve occurs after the end of the five (5) year period, NIBCO INC. will replace the valve in issue only in the event an inspection by NIBCO INC. or an authorized representative of NIBCO INC. discloses to the satisfaction of NIBCO INC., that said valve is defective. However, the sole warranty for any Classic, Classic Pro and PRO-Stop valve product failure occurring after the five (5) year, fifty dollar (\$50.00) limited warranty period, is product replacement of like grade, quality, and function.

**TO THE EXTENT PERMITTED BY LAW, THIS WARRANTY SPECIFICALLY EXCLUDES INCIDENTAL AND CONSEQUENTIAL DAMAGES OF EVERY TYPE AND DESCRIPTION RESULTING FROM ANY CLAIMED DEFECT IN MATERIAL OR WORKMANSHIP, INCLUDING BUT NOT LIMITED TO, PERSONAL INJURIES AND PROPERTY DAMAGES TO THE EXTENT PERMITTED BY LAW, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN DURATION.**

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

globally connecting you at all levels



It's a new age of business, and a new way at NIBCO. From Elkhart, Indiana to Lodz, Poland, and points beyond, our company has integrated manufacturing, distribution, and networked communications to provide a seamless source of information and service, 24 hours a day, 7 days a week. But this integration hasn't happened overnight. It's been part of a long-term strategic process that has pushed us to reconsider every aspect of our business. The result? We're a vertically integrated manufacturer with the products and systems in place to deliver low cost and high quality. NIBCO® products are manufactured under a Quality Management System conforming to the current revision of ISO-9001 International Standards. We know the flow control industry is only going to get more demanding, and we are more than ready. We will continue to lead. That's what NIBCO is all about.

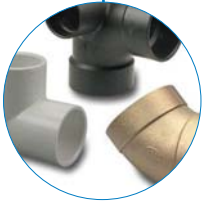


# FEATURING NIBCO® SYSTEMS

C-PSP-0311

NIBCO® DURA-PEX® Piping Systems • NIBCO® Press System®

## FITTINGS



Wrot and cast copper pressure and drainage fittings • Cast copper alloy flanges  
• Wrot and cast press fittings • ABS and PVC DWV fittings • Schedule 40 PVC pressure fittings • CPVC CTS fittings • CPVC CTS-to-metal transition fittings  
• Schedule 80 PVC and CPVC systems • CPVC metric piping systems  
• CPVC BlazeMaster® fire protection fittings • Lead-Free\* fittings

BlazeMaster® is a registered trademark of The Lubrizol Corporation.  
\*Weighted average lead content ≤0.25%

## VALVES & ACTUATION

Pressure-rated bronze, iron and alloy-iron gate, globe and check valves • Pressure-rated bronze ball valves • Boiler specialty valves • Commercial and industrial butterfly valves • Circuit balancing valves • Carbon and stainless steel ball valves  
• ANSI flanged steel ball valves • Pneumatic and electric actuators and controls  
• Grooved ball and butterfly valves • High performance butterfly valves • UL/FM fire protection valves • MSS specification valves • Bronze specialty valves • Low pressure gate, globe, check and ball valves • Frostproof sillcocks • Quarter-turn supply stops • Quarter-turn low pressure valves • PVC ball valves • CPVC CTS ball valves • Just Right® recirculating valves • Bronze & Iron Y-Strainers  
• Lead-Free\* valves

\*Weighted average lead content ≤0.25%



## CHEMTROL®

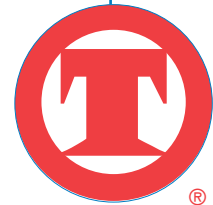
Thermoplastic pipe, valves and fittings in PVC, Corzan® CPVC, polypropylene and PVDF Kynar® • Pneumatic and electric actuation systems

Corzan® is a registered trademark of The Lubrizol Corporation. • Kynar® is a registered trademark of Arkema Inc.



## TOLCO®

Pipe hangers • Custom fabricated supports • Strut fittings • Seismic bracing  
• TOLBrace® Fire seismic bracing software • Markets served include commercial, industrial & fire protection



## eNIBCO

EDI—Electronic Data Interchange • VMI—Vendor Managed Inventory  
• NIBCO.com • NIBCOpartner.com



**NIBCO®**  
AHEAD OF THE FLOW®

**NIBCO INC.**  
**WORLD HEADQUARTERS**  
WEB: [www.nibco.com](http://www.nibco.com)

1516 MIDDLEBURY STREET  
ELKHART, IN 46516-4740  
USA

DOMESTIC CUSTOMER SERVICE  
PHONE: 800.234.0227  
FAX: 800.234.0557

TECHNICAL SERVICE  
PHONE: 888.446.4226  
FAX: 888.336.4226

INTERNATIONAL OFFICE  
PHONE: +1/574.295.3327  
FAX: +1/574.295.3455