

LEAD-FREE* VALVES

APPLICATIONS

- Specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction

MATERIALS & CONSTRUCTION

- Base material of high quality lead-free silicon brass alloy, ECO BRASS®
- Easily identifiable white handles signify lead-free
- Dezincification-resistant

DESIGN CRITERIA

- 3rd party certified to Section 116875 of the California Health & Safety Code & Vermont Act 193
- Ball, gate, check, and stop & waste valves manufactured in NIBCO ISO-registered facilities



*Lead-Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$. Source: California Health & Safety Code (116875); Vermont Act 193.

Lead-Free* Valves Index

Ball Valves	3 - 4
T/S-685-80-LF	
S-685-80-D-LF	
Gate Valves	5
T/S-113-LF	
Check Valves	6
T/S-413-Y-LF	
Ring Check® Valves	7
T/S-480-Y-LF	
Stop & Waste Valves	8
726-LF (Cup x Cup)	
76-LF (FIP x FIP)	
PRO-Stop® Supply Stops	9 - 10
7140A-LF	
7145A-LF	
7145ADX-LF	
7160A-LF	
7165A-LF	
7170A-LF	
7175A-LF	

Please consult www.nibco.com for the newest additions to our lead-free valve offering.

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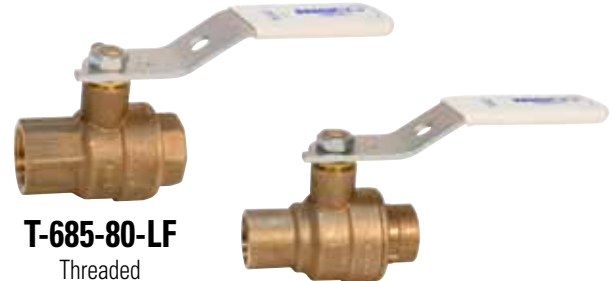
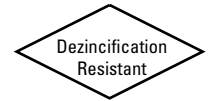
Lead-Free* Ball Valves

Two-Piece Body • Full Port • Blowout-Proof Stem • PTFE Seats
• Conforms to MSS SP-110 • NSF-61-G

Size Range: 1/4" - 2"

Pressure Rating: 600 PSI CWP

NIBCO® Ball Valves are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.

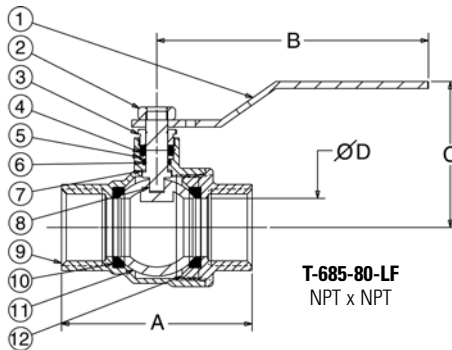


T-685-80-LF
Threaded

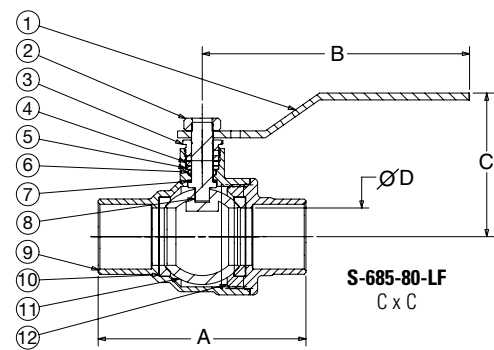
S-685-80-LF
Solder

MATERIAL LIST

PART	SPECIFICATION
1. Handle	Steel, Plated
2. Nut, Handle	Steel, Plated
3. Pack Gland	Brass ASTM B 16 Alloy C36000
4. Packing, Stem	Virgin PTFE
5. Washer, Flat	430 Stainless
6. O-Ring (Stem Seal)	EPDM
7. Washer, Thrust	Reinforced PTFE
8. Stem	ASTM B 371 Alloy 69300
9. Body	ASTM B283 Alloy C69300
10. Seat Ring	Virgin PTFE
11. Ball	ASTM B283 Alloy C69300
12. End Piece	ASTM B283 Alloy C69300



T-685-80-LF
NPT x NPT



S-685-80-LF
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions																
		T-685-80-LF		S-685-80-LF				Port								
Size		A		A		B		C		D		T-685-80-LF		S-685-80-LF		Master
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	Ctn. Qty
1/4	8	1.98	50	—	—	3.90	99	1.95	49	0.31	8	0.52	0.24	—	—	24
3/8	10	1.98	50	2.02	51	3.90	99	1.95	49	0.38	10	0.49	0.22	0.46	0.21	24
1/2	15	2.22	56	2.16	55	3.90	99	1.95	50	0.50	13	0.47	0.21	0.46	0.21	80
3/4	20	2.66	68	2.94	75	4.66	118	2.30	58	0.75	19	0.70	0.32	0.69	0.31	60
1	25	3.27	83	3.62	92	4.66	118	2.50	64	1.00	25	1.10	0.50	1.12	0.51	40
1 1/4	32	3.56	90	3.97	101	6.69	170	3.07	78	1.25	32	1.69	0.77	1.66	0.75	4
1 1/2	40	3.98	101	4.61	117	6.69	170	3.25	83	1.50	38	2.58	1.17	2.71	1.23	2
2	50	4.52	115	5.63	143	6.69	170	3.55	90	2.00	51	4.37	1.98	4.62	2.10	8

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% Source: California Health & Safety Code (116875); Vermont Act 193.

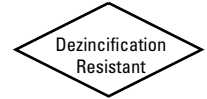
Lead-Free* Ball Valves

Two-Piece Body • Full Port • Blowout-Proof Stem • PTFE Seats
• Conforms to MSS SP-110 • NSF-61-G

Size Range: ½" - 1"

Pressure Rating: 600 PSI CWP

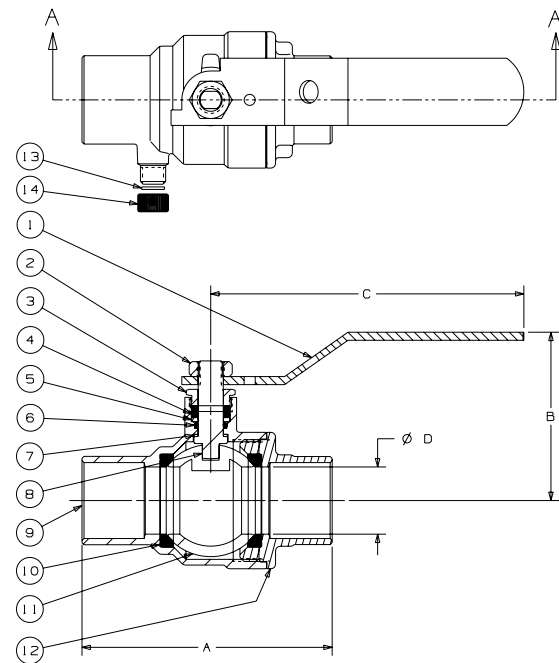
NIBCO® Ball Valves are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.



S-685-80-D-LF
Solder

MATERIAL LIST

PART	SPECIFICATION
1. Handle	Steel, Plated
2. Nut, Handle	Steel, Plated
3. Pack Gland	Brass ASTM B 16 Alloy C36000
4. Packing, Stem	Virgin PTFE
5. Washer, Flat	430 Stainless
6. O-Ring, Stem	EPDM
7. Washer, Thrust	Reinforced PTFE
8. Stem	ASTM B 371 Alloy C69300
9. Body, Solder	ASTM B 283 Alloy C69300
10. Seat Ring	Virgin PTFE
11. Ball	ASTM B 283 Alloy C69300
12. End Piece, Solder	ASTM B 283 Alloy C69300
13. Drain Washer	Rubber
14. Drain Cap	Brass ASTM B 16 Alloy C36000



S-685-80-D-LF
C x C

DIMENSIONS—WEIGHTS

Nom. Size	Approx. Net Wt./Lbs.	DIMENSIONS/INCHES			
		A	B	C	D
1/2	0.504	2.28	3.90	1.95	0.50
3/4	0.943	3.05	4.66	2.30	0.75
1	1.114	3.72	4.66	2.50	1.00

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% Source: California Health & Safety Code (116875); Vermont Act 193.

Lead-Free* Gate Valve

Screw-in Bonnet • Non-Rising Stem • Solid Wedge
• Dimensions & Workmanship Conform to MSS SP-80

Size Range: 1/2" - 2"

Pressure Rating: 200 PSI CWP

NIBCO® Gate Valves are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.

MATERIAL LIST

PART	SPECIFICATION
1. Handwheel Nut	300 Series Stainless Steel
2. Identification Plate	Aluminum
3. Handwheel	Malleable Iron ASTM A 47 (T-113)
4. Stem	ASTM B 99 Alloy C65100
5. Packing Nut	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
6. Packing Gland	Bronze ASTM B 62 or ASTM B 584 Alloy C84400 or Brass ASTM B 16
7. Packing	Aramid Fibers with Graphite
8. Stuffing Box	ASTM B 584 Alloy C87850
9. Bonnet	ASTM B 584 Alloy C87850
10. Body	ASTM B 584 Alloy C87850
11. Wedge	ASTM B 584 Alloy C87850

DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions												
Size		A		B		C		T-113-LF		S-113-LF		Master Ctn. Qty.
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.	
½ †	15	1.94	49	3.63	92	0.75	19	0.82	0.37	0.67	0.31	50
¾	20	2.06	54	3.91	99	0.88	22	1.10	0.50	0.99	0.45	50
1	25	2.44	62	4.69	119	1.00	25	1.82	0.82	1.60	0.72	30
1 ¼	32	2.63	67	5.22	133	1.19	32	2.40	1.09	2.25	1.02	20
1 ½	40	2.88	72	6.25	159	1.25	33	3.51	1.59	3.17	1.44	10
2	50	3.06	78	7.06	179	1.31	34	4.93	2.24	4.60	2.09	10

†No packing gland, packing only in these sizes.

Freezing Weather Precaution – Subsequent to testing a piping system, valves should be in an open position to allow complete drainage.

NSF ≤0.25% Lead

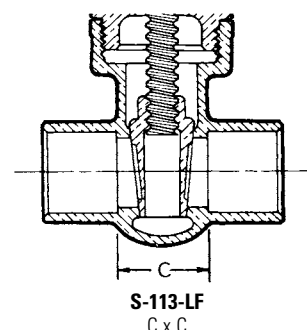
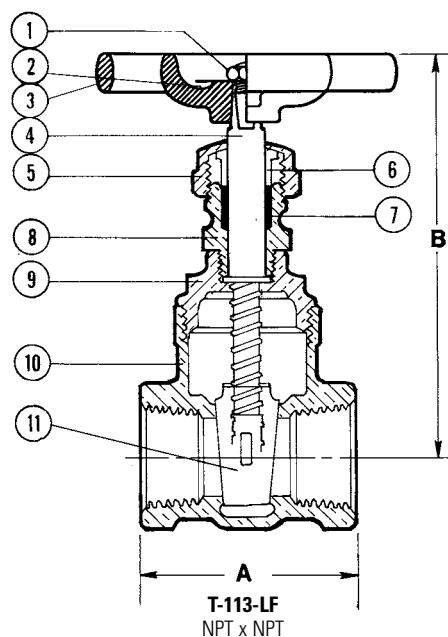
Dezincification Resistant



T-113-LF
Threaded



S-113-LF
Solder



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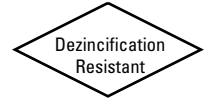
Lead-Free* Check Valve

Horizontal Swing • Regrinding Type • Y-Pattern • Renewable Seat and Disc
• Dimensions & Workmanship Conform to MSS SP-80 • NSF-61-G

Size Range: 1/2" - 2"

Pressure Rating: 200 PSI CWP

NIBCO® Check Valves are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.



T-413-Y-LF
Threaded

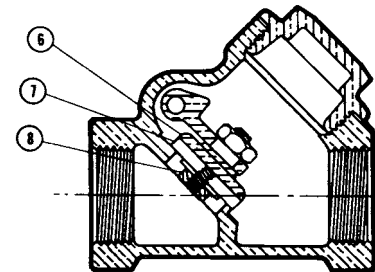


S-413-Y-LF
Solder

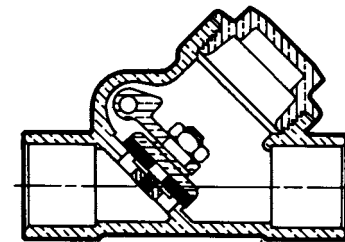
MATERIAL LIST

PART	SPECIFICATION
1. Bonnet	ASTM B 584 Alloy C87850
2. Body	ASTM B 584 Alloy C87850
3. Hinge Pin	316SS or 304SS
4. Disc Hanger	ASTM B 584 Alloy C87850
5. Hanger Nut	316SS or 304SS
6. Disc Holder	ASTM B 283 Alloy C69300
7. Seat Disc	PTFE
8. Seat Disc Nut	304SS or 416SS
9. Hinge Pin Plug	ASTM B 283 C69300
*10. Seat Disc Washer	304SS or 316SS

*Sizes 3/4", 1", 1 1/4", 1 1/2" and 2" only.



T-413-Y-LF
NPT x NPT



S-413-Y-LF
C x C

DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions													Master Ctn. Qty.
Size		A		B		C		T-413-LF		S-413-LF			
In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Lbs.	Kg.		
½	15	2.44	62	1.69	43	1.50	38	0.55	0.25	0.55	0.25	50	
¾	20	2.94	75	1.88	48	1.88	48	0.90	0.41	0.88	0.40	50	
1	25	3.56	90	2.31	59	2.25	57	1.46	0.66	1.48	0.67	30	
1 ¼	32	4.19	106	2.69	68	2.75	70	2.17	0.99	2.22	1.01	20	
1 ½	40	4.50	114	2.94	75	1.13	79	2.95	1.34	3.00	1.36	10	
2	50	5.25	133	3.94	100	3.75	95	4.79	2.17	4.87	2.21	10	

NIBCO check valves may be installed in both horizontal and vertical lines with upward flow or in any intermediate position. They will operate satisfactorily in a declining plane (no more than 15°).

Warning – Not for use in Gaseous Service.

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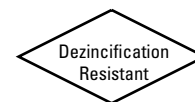
Lead-Free* Ring Check® Valve

Inline Lift Type • Resilient Discs • Spring Actuated
• Dimensions & Workmanship Conform to MSS SP-80 • NSF-61-G

Size Range: 1/2" - 2"

Pressure Rating: 250 PSI CWP

NIBCO® Check Valves are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.



T-480-Y-LF
Threaded



S-480-Y-LF
Solder

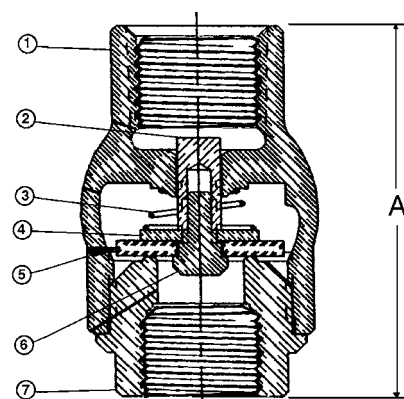
MATERIAL LIST

PART	SPECIFICATION
1. Body	ASTM B 584 Alloy C87850
2. Stem	Stainless Steel ASTM A 582 Alloy S30300
3. Spring	Stainless Steel S31600
4. Disc Holder	Stainless Steel S31600
5. Disc	PTFE
6. Seat Screw	Stainless Steel ASTM A 276 Alloy S43000
7. Body End	ASTM B 584 Alloy C87850

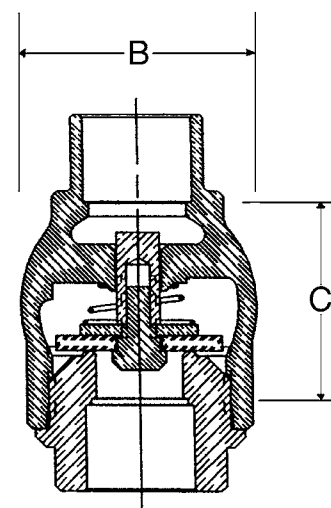
DIMENSIONS—WEIGHTS—QUANTITIES

Dimensions													
Size		A		B		C		T-480-Y-LF		S-480-Y-LF		Master	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	Lbs.	Kg.	Ctn.	Qty.
½	15	2.06	52	1.38	35	1.19	30	0.36	0.16	0.40	0.18	100	
¾	20	2.25	57	1.63	41	1.31	33	0.48	0.22	0.52	0.24	100	
1	25	2.63	67	2.00	51	1.50	38	0.77	0.35	0.85	0.39	50	
1¼	32	2.94	75	2.38	60	1.69	43	1.14	0.51	1.28	0.58	30	
1½	40	3.31	84	2.75	70	2.00	51	1.63	0.74	1.75	0.79	30	
2	50	3.69	94	3.38	86	2.31	59	2.27	1.03	2.70	1.23	10	

1/2" thru 2" require 1/2 pound pressure to open



T-480-Y-LF (PTFE Disc)
NPT x NPT



S-480-Y-LF (PTFE Disc)
C x C

NIBCO check valves may be installed in both horizontal and vertical lines with upward flow or in any intermediate position.

Warning – Not for use in Gaseous Service.

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Lead-Free* Stop & Waste Valves

125 lb. CWP to 100°F

Maximum Temperature 180°F

Certified compliant with California Health & Safety Code 116875 and Vermont Act 193 by IAPMO R & T.

NIBCO® Stop & Waste Valves are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.

Dezincification
Resistant



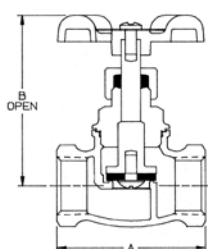
726-LF
Cup x Cup



76-LF
FIP x FIP

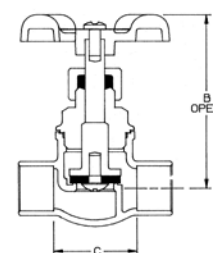
MATERIALS LIST

PART	SPECIFICATION
Body	ASTM B 584 Alloy C87850
Bonnet	ASTM B 584 Alloy C87850
Stem	Cold-formed Copper Alloy
Seat Disc	EPDM
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



76-LF

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



726-LF

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

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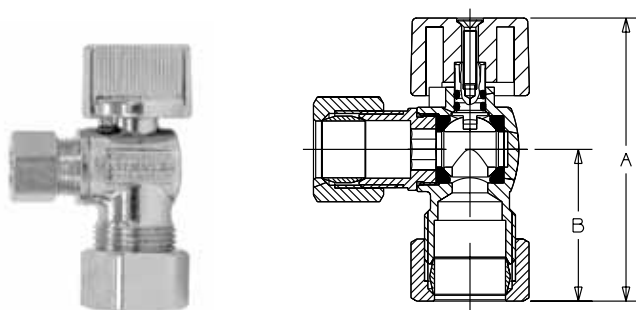
Lead-Free* PRO-Stop® Quarter-Turn Supply Stops

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

NIBCO® PRO-Stop® Supply Stops are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.

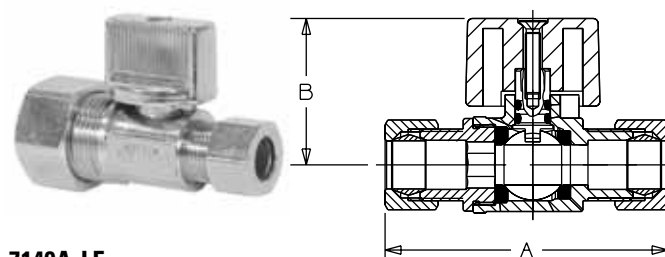
MATERIAL LIST

PART	SPECIFICATION
Body and Nut	C69300
Stem/Ball	C69300
Seat	PTFE
Retainer	C69300
O-Ring	EPDM
Handle	ABS Chrome-Plated
Ferrule	Brass
Screw	Stainless Steel



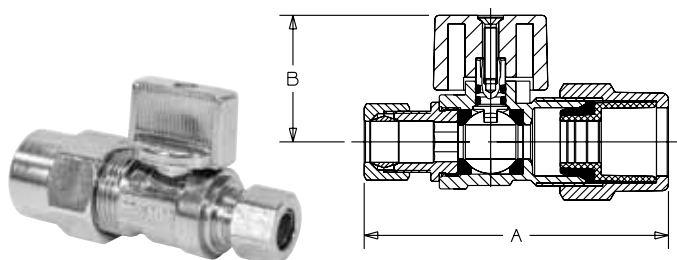
7145A-LF

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
ANGLE PATTERN Compression x Compression	5/8 OD x 3/8 OD	2.50"	1.33"	.229 lb



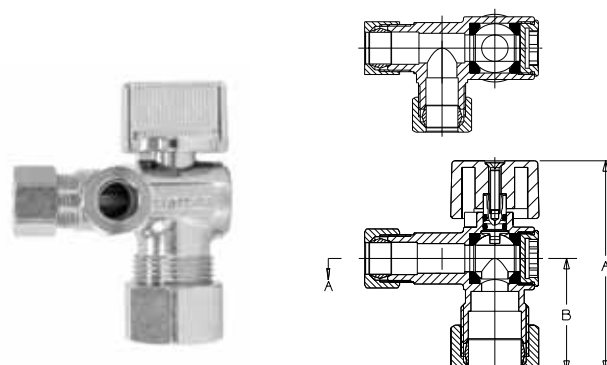
7140A-LF

DESCRIPTION	Inlet x Outlet	DIMENSIONS		APPROX. NET WT.
		A	B	
STRAIGHT PATTERN Compression x Compression	5/8 OD x 3/8 OD	2.34"	1.15"	.217 lb



7170A-LF

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



7145ADX-LF

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

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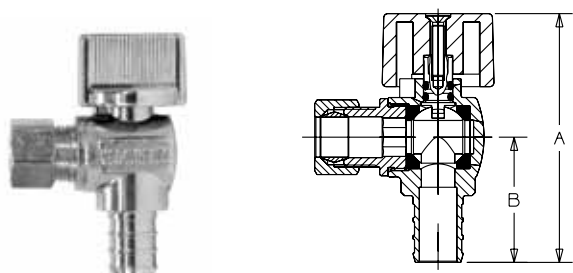
Lead-Free* PRO-Stop® Quarter-Turn Supply Stops

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

NIBCO® PRO-Stop® Supply Stops are specifically designed for use in applications that deliver water for human consumption; this includes commercial as well as residential construction, as per the requirement of Section 116875 of the California Health & Safety Code and the Vermont Act 193.

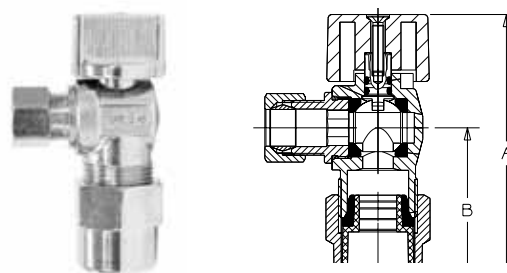
MATERIAL LIST

PART	SPECIFICATION
Body and Nut	C69300
Stem/Ball	C69300
Seat	PTFE
Retainer	C69300
O-Ring	EPDM
Handle	ABS Chrome-Plated
Ferrule	Brass
Screw	Stainless Steel



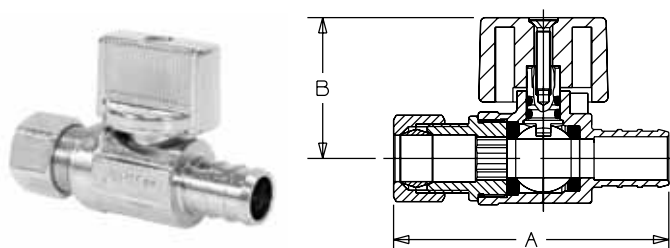
7165A-LF

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



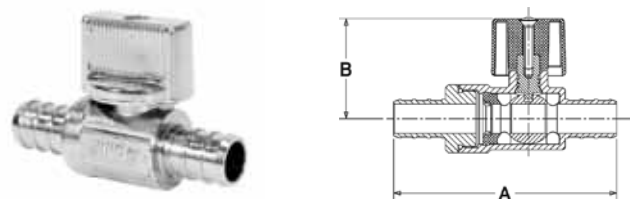
7175A-L

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



7160A-LF

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-LF

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

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% Source: California Health & Safety Code (116875); Vermont Act 193.

Sample Specification

LINE CONTROL VALVES 2" AND SMALLER

BALL VALVES: Valves shall be rated 600 PSI non-shock CWP and will have 2-pc. lead-free* dezincification-resistant body, end piece, stem and ball, PTFE seats, full port, separate pack nut with adjustable stem packing and anti-blowout stems. Valve ends shall have full depth ANSI threads or extended solder connections. Valves shall be 3rd party certified to Annex G of NSF/ANSI 61.

ACCEPTABLE VALVES:

NIBCO® T-685-80-LF (threaded); S-685-80-LF(solder)

NOTE: Where piping is insulated, ball valves shall be equipped with 2" extended handles of non-thermal conductive material. Also provide a protective sleeve that allows operation of the valve without breaking the vapor seal or disturbing the insulation. Memory stops, which are full adjustable after insulation is applied, shall be included.

ACCEPTABLE VALVES:

NIBCO® T-685-80-LF-NS (threaded); S-585-80-LF-NS (solder)

GATE VALVES: Valves shall be rated 200 PSI non-shock CWP, non-rising stem, screw-in bonnet, solid wedge. Body, bonnet, external stuffing box and wedge are to be of lead-free* dezincification-resistant material. Stems shall be of dezincification-resistant silicon bronze ASTM B 371 or low-zinc alloy B 99, non-asbestos packing and malleable or ductile iron hand wheel. Valve ends may be threaded or solder-type. Valves shall comply with Section 116875 of the California Health & Safety Code and the Vermont Act 193.

ACCEPTABLE VALVES:

NIBCO® T113-LF (threaded); S113-LF (solder)

CHECK VALVES: Valves shall be Y-pattern swing-type rated 200 PSI non-shock CWP. Body, bonnet, and disc hanger are to be of lead-free* dezincification-resistant material and PTFE seat disc. Valve ends may be threaded or solder-type. Valves shall be 3rd party certified to Annex G of NSF/ANSI 61.

ACCEPTABLE VALVES:

NIBCO® T413-Y-LF (threaded); S413-Y-LF (solder)

*Lead Free refers to the wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$ Source: California Health & Safety Code (116875); Vermont Act 193.

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