

SERIES B11N LF

LF superRBronze

Forged bronze ball valve, female/female, full port.

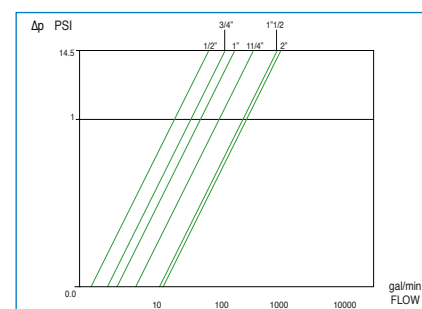
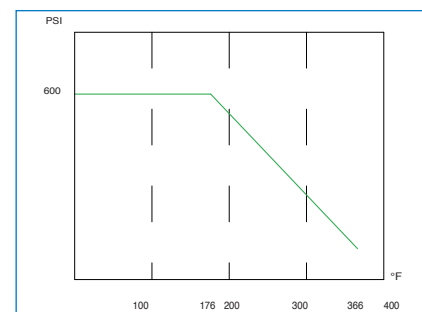
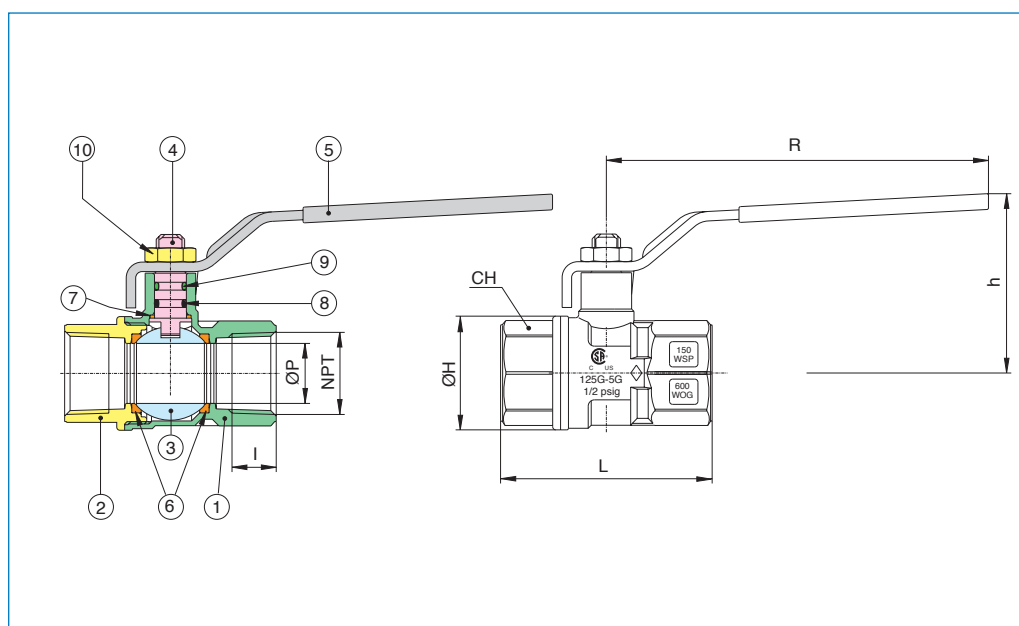
- Pressure rating 600 WOG - 150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem.
- SLT coated LF brass ball.
- P.T.F.E. seats and double O-ring packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- Made in specially formulated dezincification-resistant silicon bronze.
- ANSI B1.20.1 connections.

B11N LF: LEVER HANDLE - size 1/2" to 2".

B12N LF: T- HANDLE - size 1/2" to 1".



NEW



N POS	PART NAME	MATERIAL	N POS	SIZE	ØP	I	L	ØH	CH	R	h	CV	psi	Lbs
1	BODY	LF BRONZE*	1	1/2"	0.55	0.41	2.22	1.18	0.98	3.78	1.69	19.00	600	0.42
2	END CONNECTION	LF BRONZE*	1	3/4"	0.75	0.54	2.46	1.42	1.22	4.76	2.22	34.50	600	0.71
3	BALL	LF BRASS CW 510L*	1	1"	0.94	0.55	3.01	1.71	1.50	4.76	2.32	50.18	600	0.99
4	STEM	LF BRASS CW 510L*	1	1 1/4"	1.19	0.68	3.37	2.09	1.89	5.94	2.85	103.70	600	1.74
5	HANDLE	STEEL DD11	1	1 1/2"	1.50	0.68	3.70	2.56	2.13	5.94	3.09	268.40	600	2.45
6	BALL SEAT	P.T.F.E.	2	2"	1.95	0.70	4.33	3.39	2.64	6.30	3.70	309.20	600	4.85
7	THRUST WASHER	P.T.F.E.	1											
8	O-RING	NBR	1											
9	O-RING	FKM (Viton®)	1											
10	NUT	STEEL CL04	1											

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES B115 LF

LF superBRonze



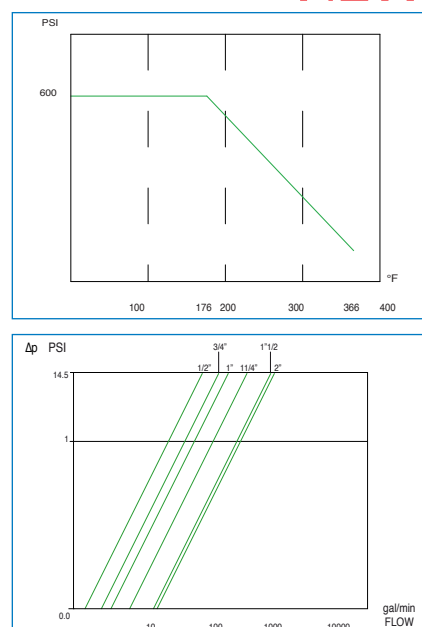
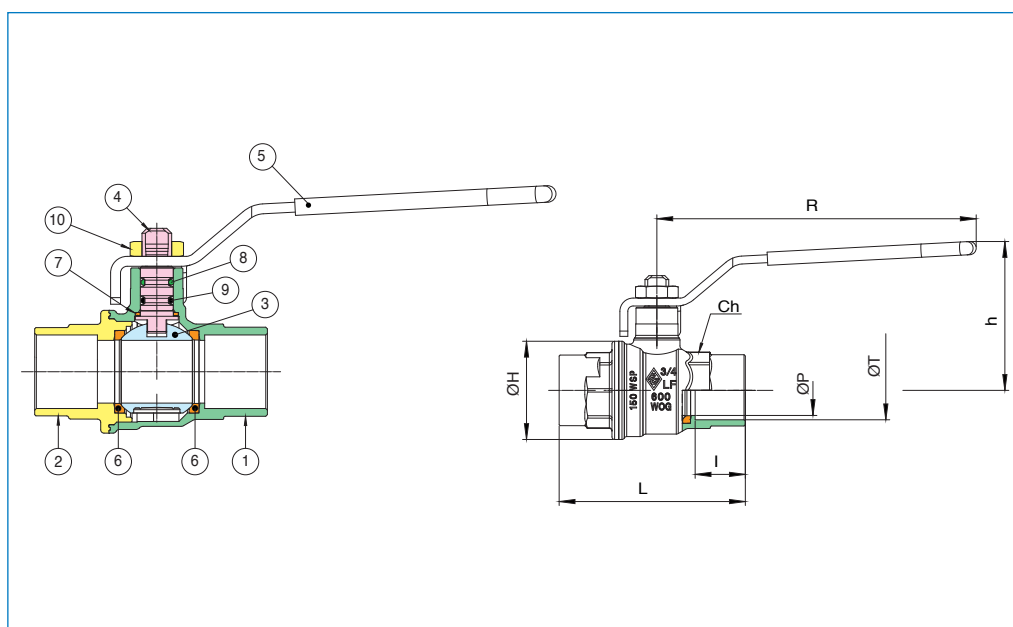
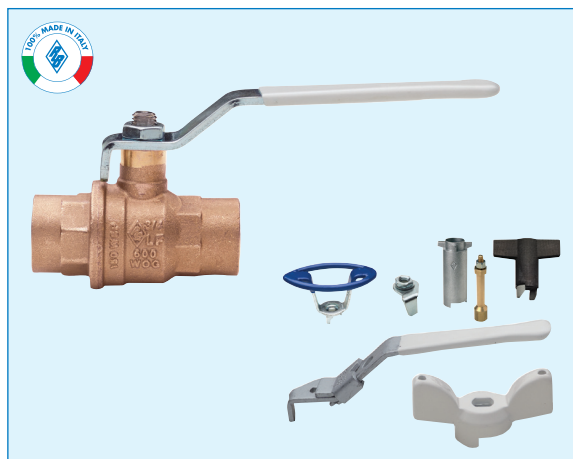
Forged bronze ball valve with solder ends, full port.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem.
- SLT coated LF brass ball
- P.T.F.E. seats and double O-ring packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B16.18 connections.
- Made in specially formulated dezincification-resistant silicon bronze.

B115 LF: LEVER HANDLE - size 1/2" to 2".

B125 LF: T- HANDLE - size 1/2" to 1".

NEW



N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF BRONZE*	1
2	END CONNECTION	LF BRONZE*	1
3	BALL	LF BRASS CW 510L*	1
4	STEM	LF BRASS CW 510L*	1
5	HANDLE	STEEL DD11	1
6	BALL SEAT	P.T.F.E.	2
7	THRUST WASHER	P.T.F.E.	1
8	O-RING	FKM (Viton®)	1
9	O-RING	NBR	1
10	NUT	STEEL CL04	1

SIZE	ØP	I	L	ØH	CH	R	h	CV	psi	Lbs
1/2"	0.55	0.50	0.63	2.19	1.22	0.87	3.78	18.15	600	0.39
3/4"	0.75	0.75	0.88	2.78	1.46	1.06	4.76	32.37	600	0.63
1"	0.94	0.91	1.13	3.37	1.76	1.34	4.76	47.98	600	0.95
1 1/4"	1.19	0.97	1.38	3.86	2.11	1.69	5.94	97.80	600	1.79
1 1/2"	1.50	1.10	1.63	4.48	2.64	1.97	5.94	252.60	600	2.58
2"	1.95	1.34	2.13	5.33	3.39	2.44	6.30	290.75	600	5.03

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MEETS THE DESIGN CRITERIA OF MSS_SP_110.

SERIES 161N LF - 162N LF COMPACT STYLE

Lead free brass ball valve, FNPT threaded, full port.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem, SLT coated LF brass ball.
- P.T.F.E seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B1.20.1 connections.

161N LF: LEVER HANDLE - size 1/2" to 4".**162N LF:** T- HANDLE - size 1/2" to 1".

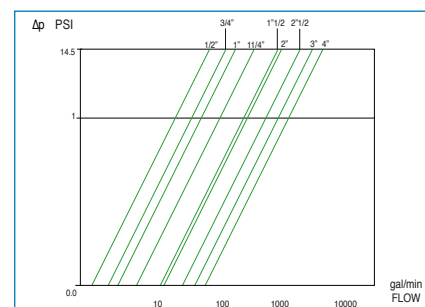
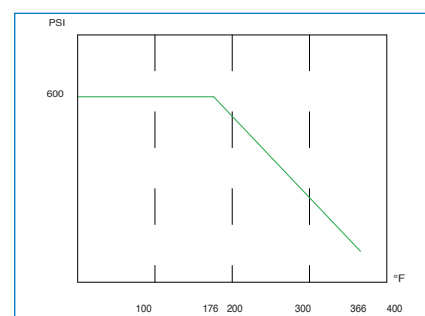
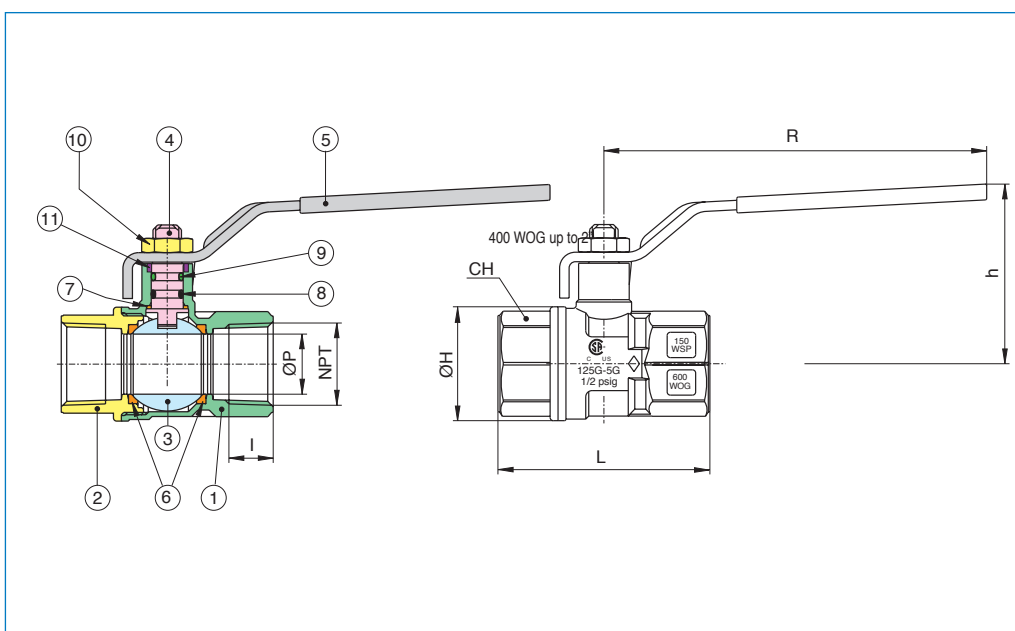
Sizes 1/4" and 3/8" see 171N LF.

HEALTH
EFFECTS US-CA
NSF 372
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400 WOG up to 2"

C US
up to 2"

up to 2"



N POS	PART NAME	MATERIAL	N POS	SIZE	ØP	I	L	ØH	CH	R	h	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500 *	1	1/2"	0.55	0.54	2.22	1.22	0.98	3.78	1.77	18.15	600	0.40
2	END CONNECTION	LF BRASS C28500 *	1	3/4"	0.75	0.55	2.46	1.46	1.22	4.76	2.22	32.37	600	0.66
3	BALL BALL (2 1/2" to 4")	LF BRASS C28500 * AISI 1.4408	1 1	1"	0.94	0.66	3.01	1.76	1.50	4.76	2.32	47.98	600	0.99
4	STEM	LF BRASS C28500 *	1	1 1/4"	1.19	0.68	3.37	2.11	1.89	5.94	2.85	97.80	600	1.60
5	HANDLE	STEEL DD11	1	1 1/2"	1.50	0.68	3.70	2.64	2.13	5.94	3.09	252.60	600	2.19
6	BALL SEAT	P.T.F.E	2	2"	1.95	0.70	4.31	3.39	2.64	6.30	3.70	290.75	600	3.97
7	THRUST WASHER	P.T.F.E	1	2 1/2"	2.44	0.93	5.16	4.09	3.27	8.07	4.59	593.06	600	7.58
8	O-RING	NBR	1	3"	2.99	1.02	5.94	4.96	3.86	8.07	4.98	958.84	600	11.90
9	O-RING	FKM (Viton®)	1	4"	3.94	1.09	7.60	6.54	4.92	10.31	6.56	1526.59	600	24.69
10	NUT	STEEL CL04	1											
11	PACKING RING	P.T.F.E	1											

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SERIES 161L LF COMPACT STYLE

Lead free brass ball valve, FNPT threaded, full port, with latch lock handle.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem, SLT coated LF brass ball.
- P.T.F.E seats, seals, and thrust washer.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B1.20.1 connections.

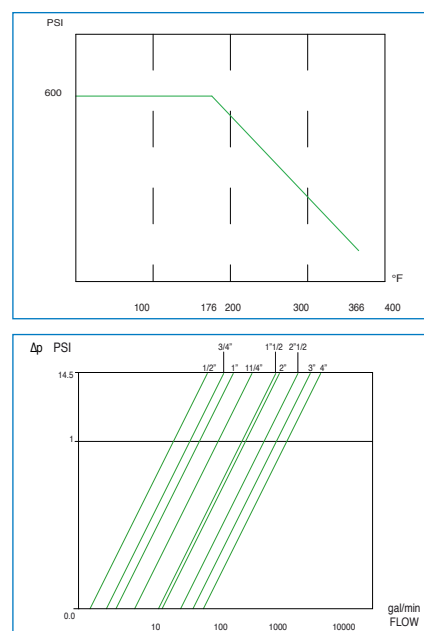
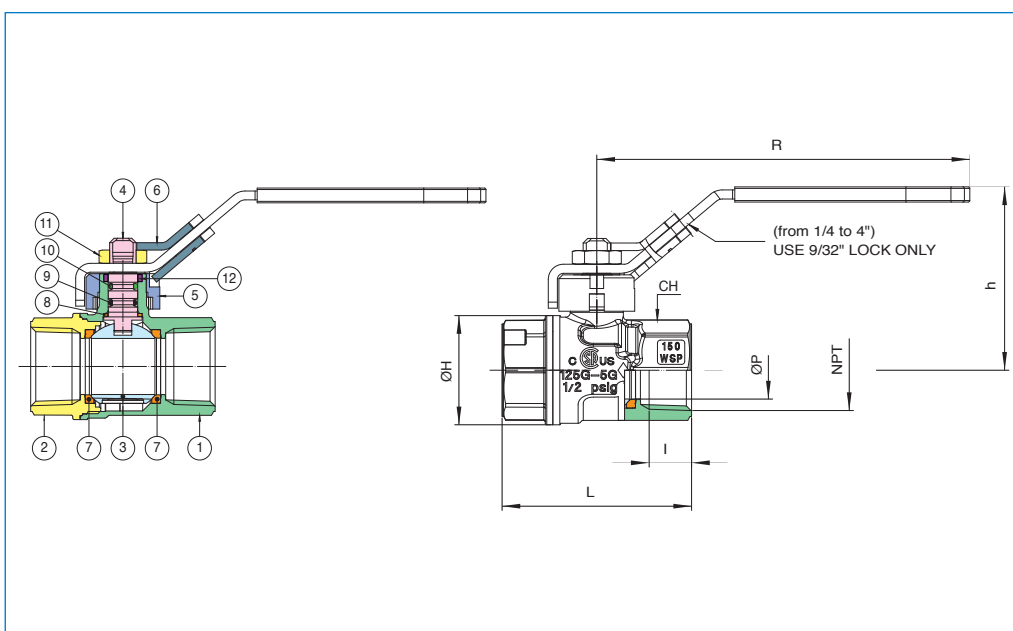
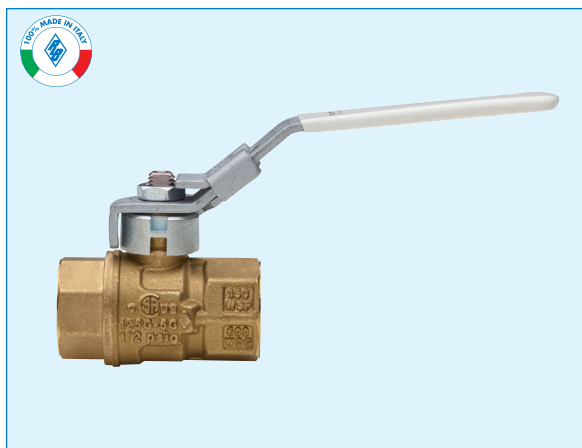
161L LF: LOCK HANDLE - size 1/2" to 4".



HEALTH
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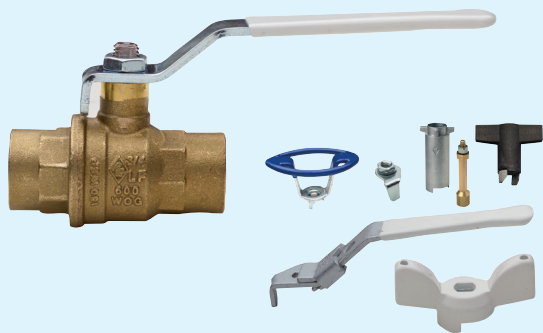
400 WOG up to 2"



N POS	PART NAME	MATERIAL	N POS	SIZE	ØP	I	L	ØH	CH	R	h	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500 *	1	1/2"	0.55	0.54	2.22	1.22	0.98	3.78	1.91	18.15	600	0.45
2	END CONNECTION	LF BRASS C28500 *	1	3/4"	0.75	0.55	2.46	1.46	1.22	4.84	2.38	32.37	600	0.76
3	BALL BALL 2 1/2" to 4")	LF BRASS C28500 * AISI 1.4408	1	1"	0.94	0.66	3.01	1.76	1.50	4.84	2.48	47.98	600	1.09
4	STEM	LF BRASS C28500 *	1	1 1/4"	1.19	0.68	3.37	2.11	1.89	5.94	2.99	97.80	600	1.77
5	BUSH	G Zn Al4	1	1 1/2"	1.50	0.68	3.70	2.64	2.13	5.94	2.05	252.60	600	2.33
6	HANDLE	STEEL DD11	1	2"	1.95	0.70	4.31	3.39	2.64	6.30	3.76	290.75	600	4.37
7	BALL SEAT	P.T.F.E	2	2 1/2"	2.44	0.93	5.16	4.09	3.27	8.11	4.78	593.06	600	8.67
8	THRUST WASHER	P.T.F.E	1	3"	2.99	1.02	5.94	4.96	3.86	8.11	5.20	958.84	600	13.24
9	O-RING	NBR	1	4"	3.94	1.09	7.60	6.54	4.92	10.28	6.56	1526.59	600	27.66
10	O-RING	FKM (Viton®)	1											
11	NUT	STEEL CL04	1											
12	PACKING RING	P.T.F.E	1											

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SERIES 1615 LF - 1625 LF COMPACT STYLE

Lead free brass ball valve with solder ends, full port.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem, SLT coated LF brass ball.
- P.T.F.E seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B16.18 connections.

TRADITIONAL SWEATING PROCEDURES RECOMMENDED.

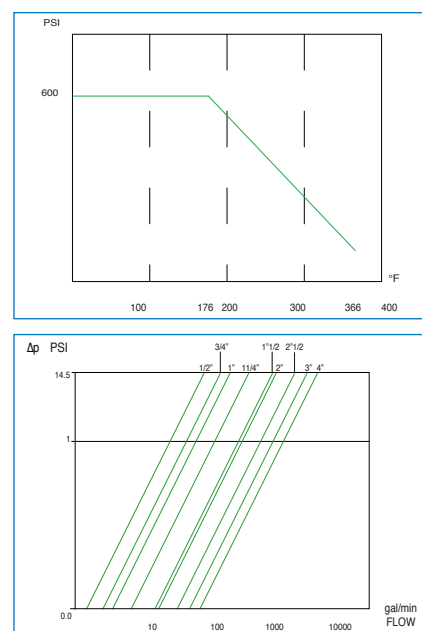
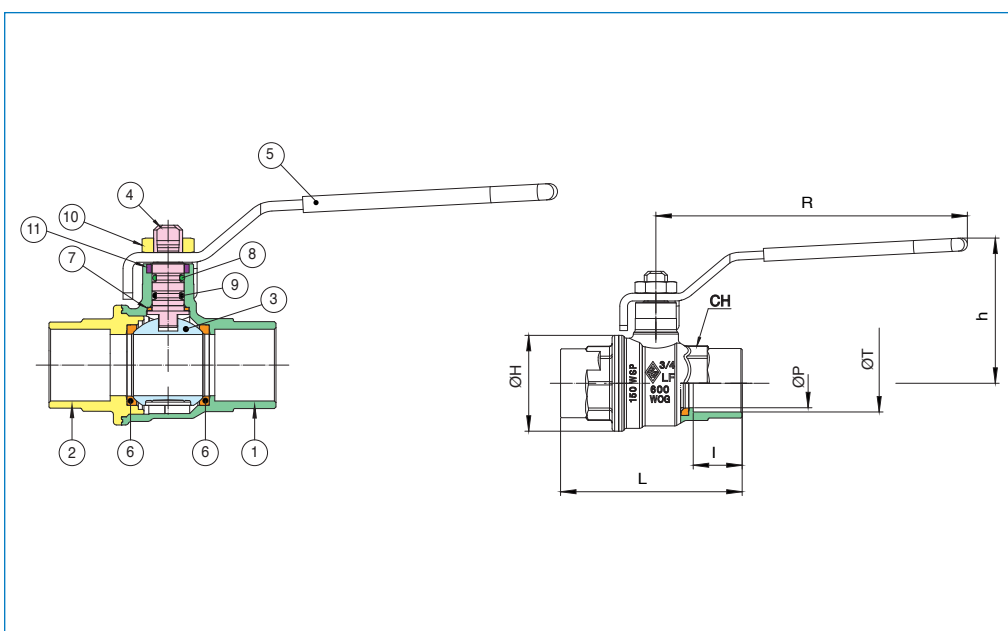
1615 LF: LEVER HANDLE - size 1/2" to 4".

1625 LF: T-HANDLE - size 1/2" to 1".



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MEETS THE DESIGN CRITERIA OF MSS_SP_110.



N POS	PART NAME	MATERIAL	N POS	SIZE	ØP	I	ØT	L	ØH	CH	R	h	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500 *	1	1/2"	0.55	0.50	0.63	2.19	1.22	0.87	3.78	1.77	18.15	600	0.40
2	END CONNECTION	LF BRASS C28500 *	1	3/4"	0.75	0.75	0.88	2.78	1.46	1.06	4.76	2.22	32.37	600	0.63
3	BALL	LF BRASS C28500 * AISI 1.4408 (2 1/2" to 4")	1	1"	0.94	0.91	1.13	3.37	1.76	1.34	4.76	2.32	47.98	600	0.95
4	STEM	LF BRASS C28500 *	1	1 1/4"	1.19	0.97	1.38	3.86	2.11	1.69	5.94	2.85	97.80	600	1.64
5	HANDLE	STEEL DD11	1	1 1/2"	1.50	1.10	1.63	4.48	2.64	1.97	5.94	3.09	252.60	600	2.36
6	BALL SEAT	P.T.F.E	2	2"	1.95	1.34	2.13	5.33	3.39	2.44	6.30	3.70	290.75	600	4.17
7	THRUST WASHER	P.T.F.E	1	2 1/2"	2.44	1.48	2.63	6.14	4.09	3.27	8.07	4.59	593.06	600	7.85
8	O-RING	FKM (Viton®)	1	3"	2.99	1.67	3.13	7.17	4.96	3.54	8.07	4.98	958.84	600	11.73
9	O-RING	NBR	1	4"	3.94	2.17	4.13	10.08	6.54	4.92	10.24	6.54	1526.59	600	30.65
10	NUT	STEEL CL 04	1												
11	PACKING RING	P.T.F.E	1												

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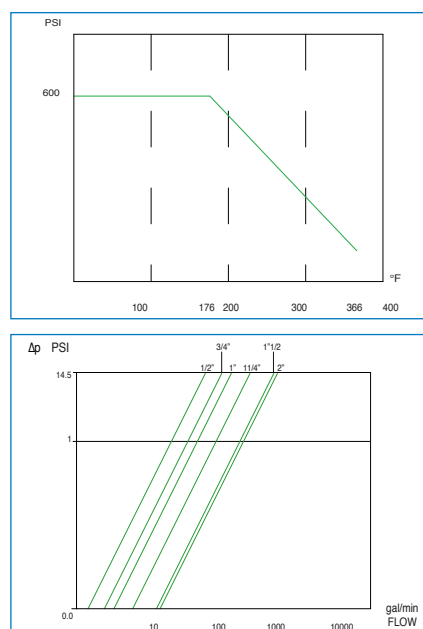
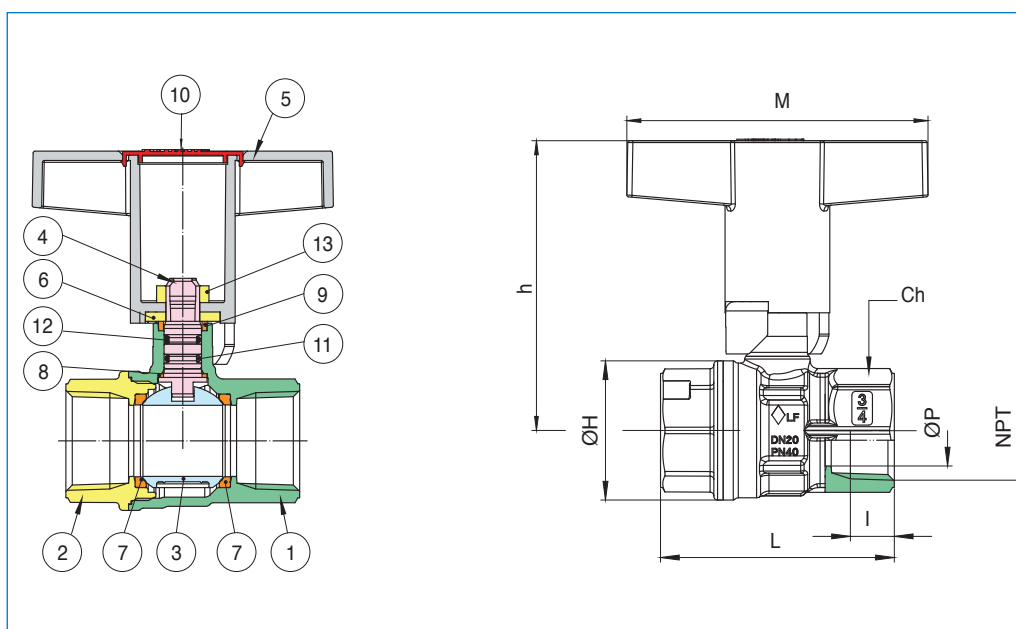
SERIES 161N LFPT COMPACT STYLE



- Lead free brass ball valve, FNPT threaded, full port.
- Pressure rating 600 WOG-150WSP.
 - Temperature range -4°F to 366°F.
 - High tensile strength forged lead-free brass.
 - Blow-out proof stem, coated LF brass ball.
 - 100% electronically tested in the open and closed position at 80 psi.
 - Valve to be used in fully open or fully closed position.
 - ANSI B1.20.1 thread depths.
 - Ultimate bubble tight dual O-ring stem seals.
 - Handle-polyamide thermal plastic T style.
 - Vapor barrier design.
 - Ideal for all insulated heating/chilled water piping.

161N LFPT: size 1/2" to 2".

NEW



N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF BRASS C28500*	1
2	END CONNECTION	LF BRASS C28500*	1
3	BALL	LF BRASS C28500*	1
4	STEM	LF BRASS C28500*	1
5	T-HANDLE	PA6.6	1
6	90° STOP	STEEL DD11	1
7	BALL SEAT	P.T.F.E	2
8	THRUST WASHER	P.T.F.E	1
9	PACKING RING	P.T.F.E	1
10	CAP	ABS	1
11	O-RING	NBR	1
12	O-RING	FKM (Viton®)	1
13	NUT	STEEL CL04	1

SIZE	ØP	I	L	ØH	Ch	M	h	Cv	psi	Weight Lbs
1/2"	0.55	0.54	2.22	1.22	0.98	3.15	2.80	18.15	600	0.42
3/4"	0.75	0.55	2.46	1.46	1.22	3.15	3.05	32.37	600	0.62
1"	0.94	0.66	3.01	1.76	1.50	3.15	3.15	47.98	600	0.97
1 1/4"	1.19	0.68	3.37	2.11	1.89	4.72	4.34	97.80	600	1.59
1 1/2"	1.50	0.68	3.70	2.64	2.13	4.72	4.57	252.60	600	2.20
2"	1.95	0.70	4.31	3.39	2.64	4.72	4.96	290.75	600	4.01

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SERIES 171N LF - 172N LF COMMERCIAL STYLE

Lead free brass ball valve, FNPT threaded, full port, steel handle, white grip.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem, STL coated LF brass ball.
- P.T.F.E seats, seals, and thrust washer.
- Adjustable stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.

• ANSI B1.20.1 connections.

171N LF: LEVER HANDLE - size 1/4" to 2".

171L LF: LOCKING HANDLE - size 1/4" to 2".

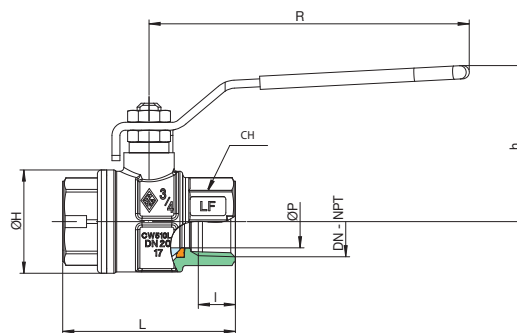
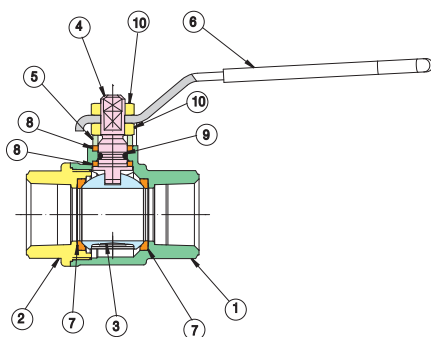
172N LF: T-HANDLE - size 1/4" to 1".

171S LF: BALL AND STEM IN STAINLESS STEEL AISI 316 - size 1/4" to 2".

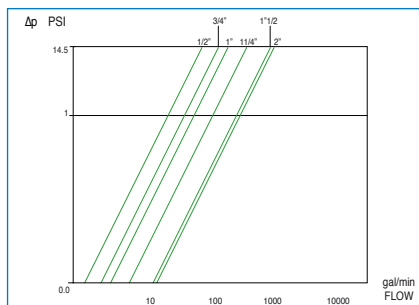
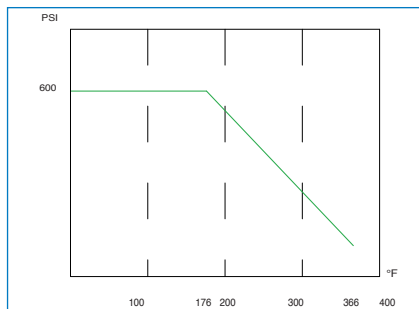
For sizes 2 1/2", 3" and 4" see 161N LF.



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The Buna O-ring is fitted to the stem of the valve as the best possible protection against potential gas leakage under extreme duty, or low pressure applications. A secondary PTFE stem seal will also assure that the valve is suitable for use up to 366° F.



N POS	PART NAME	MATERIAL	N POS	SIZE	ØP	I	L	ØH	CH	R	h	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500*	1	1/4"	0.39	0.39	1.91	0.91	0.79	3.78	1.69	6.24	600	0.31
2	END CONNECTION	LF BRASS C28500*	1	3/8"	0.39	0.41	1.91	0.91	0.79	3.78	1.69	6.94	600	0.29
3	BALL	LF BRASS C28500*	1	1/2"	0.59	0.54	2.34	1.30	0.98	3.78	1.83	18.84	600	0.46
4	STEM	LF BRASS C28500*	1	3/4"	0.79	0.55	2.56	1.54	1.22	4.76	2.32	34.10	600	0.82
5	PACKING GLAND	BRASS C38500	1	1"	0.98	0.66	3.07	1.93	1.50	4.76	2.48	49.71	600	1.15
6	HANDLE	STEEL DD11	1	1 1/4"	1.26	0.68	3.43	2.32	1.89	5.94	2.99	102.89	600	2.03
7	BALL SEAT	P.T.F.E	2	1 1/2"	1.57	0.68	3.90	2.87	2.13	5.94	3.25	265.90	600	3.02
8	THRUST WASHER/STEM SEAT	P.T.F.E	2	2"	1.95	0.70	4.37	3.43	2.64	6.30	3.76	306.36	600	4.96
9	O-RING	NBR	1											
10	NUT	STEEL CL04	2											

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SERIES 1715 LF - 1725 LF COMMERCIAL STYLE



HEALTH
EFFECTS US-CA
NSF 372
NSF 61

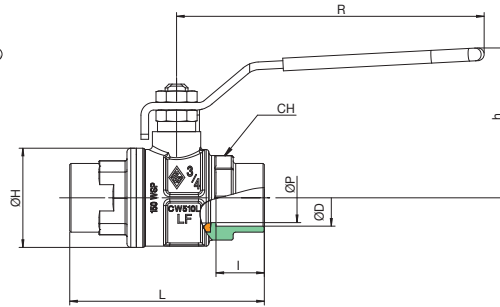
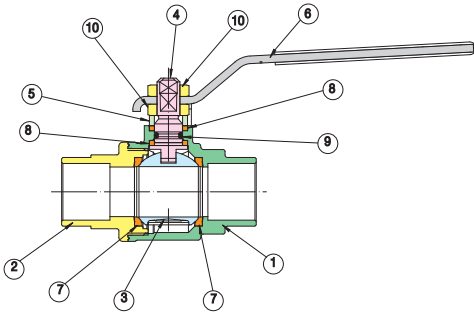
Lead free brass ball valve with solder ends, full port.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem, STL coated LF brass ball.
- P.T.F.E seats, seals, and thrust washer.
- Adjustable stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B16.18 connections.

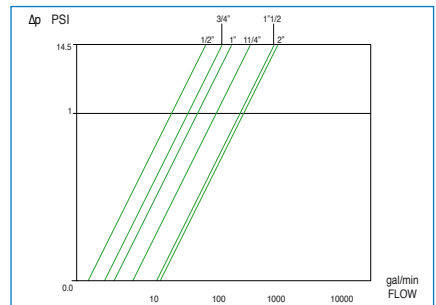
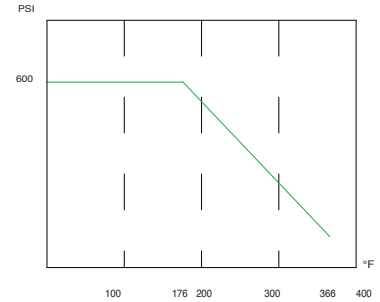
TRADITIONAL SWEATING PROCEDURES RECOMMENDED.

1715 LF: LEVER HANDLE - size 1/2" to 2".

1725 LF: T-HANDLE - size 1/2" to 1".



The Buna O-ring is fitted to the stem of the valve as the best possible protection against potential leakage under extreme duty, or low pressure applications. A secondary P.T.F.E stem seal will also assure that the valve is suitable for use up to 366° F.

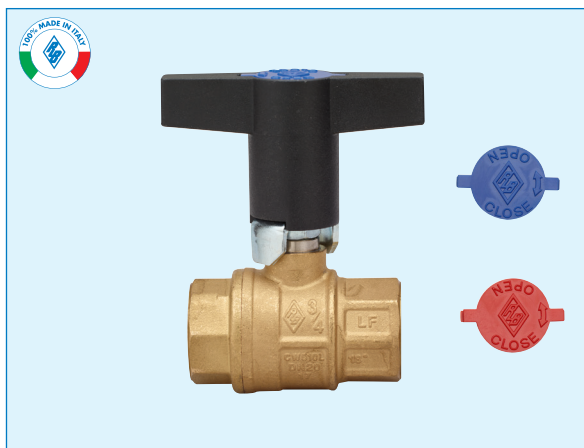


N POS	PART NAME	MATERIAL	N PCS	SIZE	ØP	I	CH	ØD	ØH	L	h	R	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500 *	1	1/2"	0.59	0.50	0.98	0.63	1.30	2.58	1.85	3.78	18.84	600	0.49
2	END CONNECTION	LF BRASS C28500 *	1	3/4"	0.79	0.75	1.22	0.88	1.54	3.01	2.32	4.76	34.10	600	0.79
3	BALL	LF BRASS C28500 *	1	1"	0.98	0.91	1.50	1.13	1.93	3.56	2.48	4.76	49.71	600	1.17
4	STEM	LF BRASS C28500 *	2	1 1/4"	1.26	0.97	1.89	1.38	2.32	4.09	2.99	5.94	102.89	600	2.14
5	PACKING GLAND	BRASS C38500	2	1 1/2"	1.57	1.10	2.13	1.63	2.87	4.57	3.25	5.94	265.90	600	3.20
6	HANDLE	STEEL DD11	1	2"	1.95	1.34	2.64	2.13	3.43	5.47	3.78	6.30	306.36	600	4.25
7	BALL SEAT	P.T.F.E	1												
8	THRUST WASHER/STEM SEAT	P.T.F.E	2												
9	O-RING	NBR	1												
10	NUT	STEEL CL04	1												

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 171N LFPT COMMERCIAL STYLE



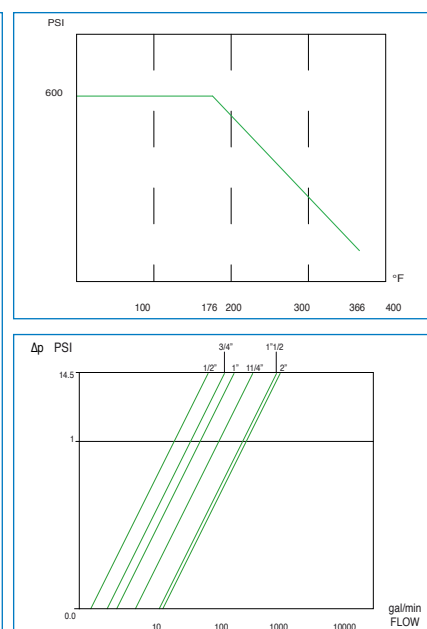
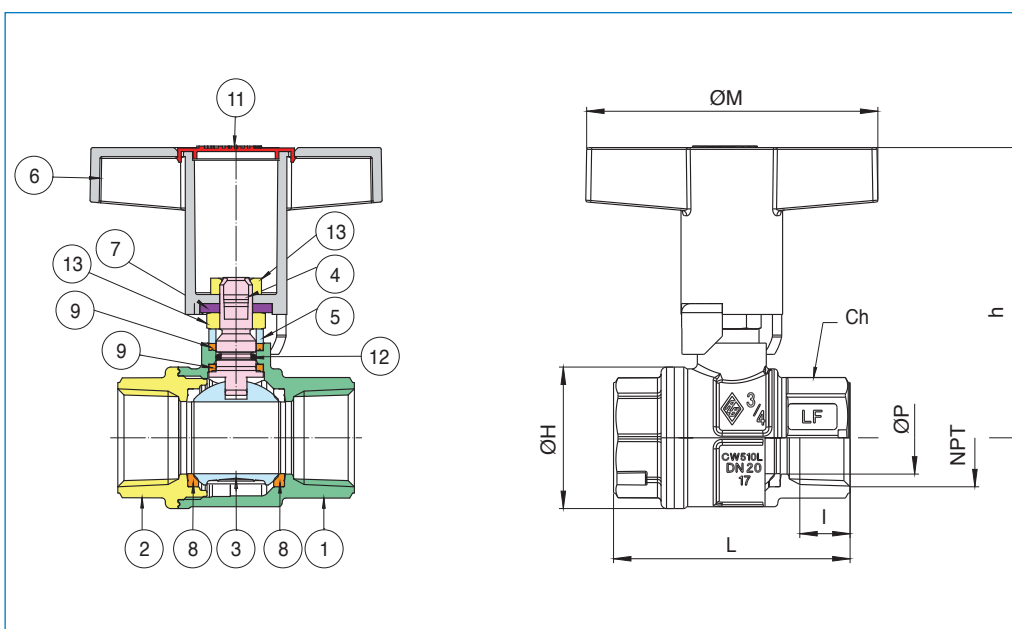
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Lead free brass ball valve, FNPT threaded, full port.

- Pressure rating 600 WOG-150WSP.
- Temperature range -4°F to 366°F.
- High tensile strength forged lead-free brass.
- Blow-out proof stem, STL coated LF brass ball.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B1.20.1 thread Depths.
- Adjustable packing-stem seals-two P.T.F.E., and one O-ring.
- Handle-polyamide thermal plastic T style.
- Vapor barrier design.
- Ideal for all insulated heating/chilled water piping.

171N LFPT: size 1/2" to 2".

NEW



N POS	PART NAME	MATERIAL	N PCS	SIZE	ØP	I	L	ØH	Ch	M	h	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500*	1	1/2"	0.59	0.54	2.34	1.30	0.98	3.15	2.87	18.84	600	0.46
2	END CONNECTION	LF BRASS C28500*	1	3/4"	0.79	0.55	2.56	1.54	1.22	3.15	3.15	34.10	600	0.82
3	BALL	LF BRASS C28500*	1	1"	0.98	0.66	3.07	1.93	1.50	3.15	3.31	49.71	600	1.15
4	STEM	LF BRASS C28500*	1	1 1/4"	1.26	0.68	3.43	2.32	1.89	4.72	4.49	102.89	600	2.03
5	PACKING GLAND	BRASS C38500	1	1 1/2"	1.57	0.68	3.90	2.87	2.13	4.72	4.72	265.90	600	3.02
6	T-HANDLE	PA6.6	1	2"	1.95	0.70	4.37	3.43	2.64	4.72	5.12	306.36	600	4.96
7	90° STOP	STEEL DD11	1											
8	BALL SEAT	P.T.F.E	2											
9	THRUST WASHER	P.T.F.E	2											
10	CAP	ABS	1											
11	O-RING	NBR	1											
12	NUT	STEEL CL04	2											

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES 1570 LF PRESS VALVE

Lead free brass ball valve with EURO-PRESS connections full port.

- Working pressure 200 CWP.
- Temperature range -4°F to 250°F.
- Drip fit O-rings.
- No soldered-in end pieces.
- Blow-out proof stem, SLT coated LF brass.
- Adjustable packing.
- Dual O-rings (Viton®+NBR).
- P.T.F.E. seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- Made in lead free dezincification resistant brass (LF-DZR).

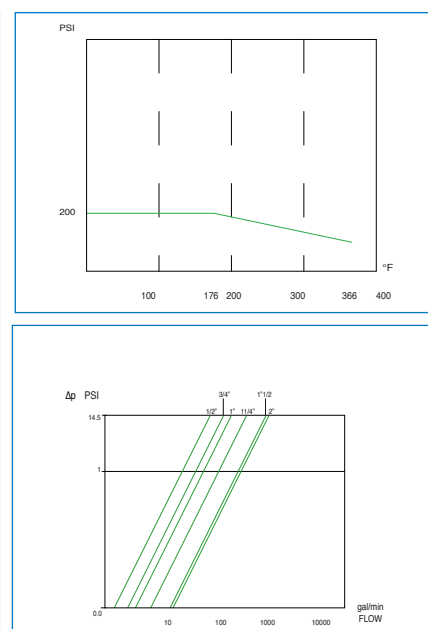
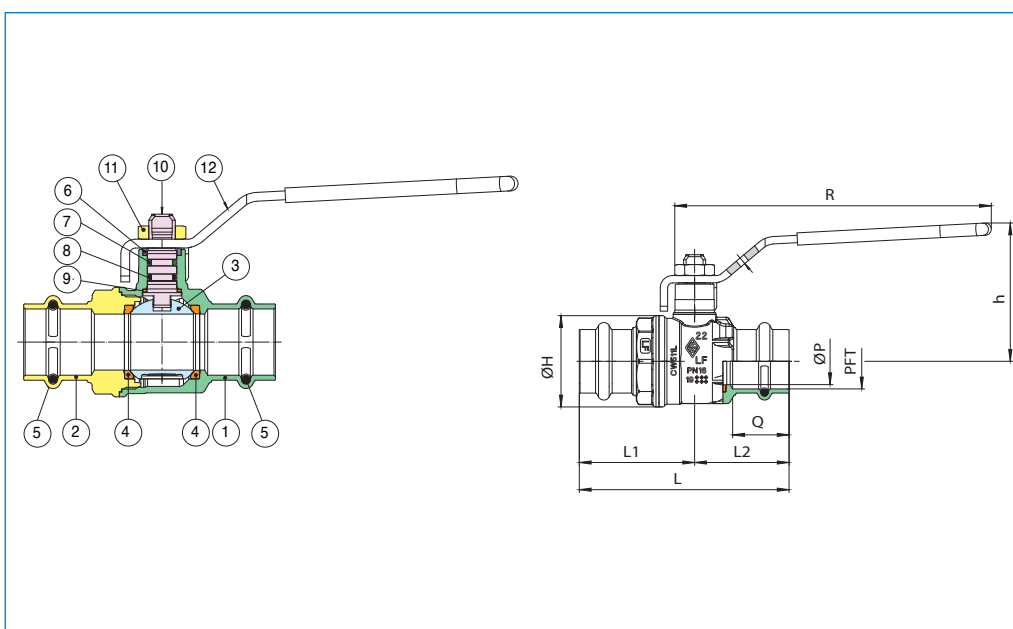
1570 LF: size 1/2" to 2".



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200 WOG

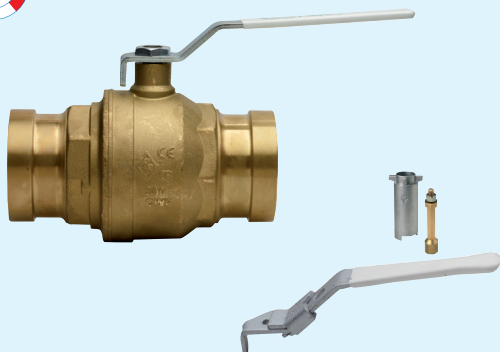


N POS	PART NAME	MATERIAL	N POS
1	BODY	LF DZR BRASS C27453*	1
2	END CONNECTION	LF DZR BRASS C27453*	1
3	BALL	LF BRASS C28500*	1
4	STEM	LF BRASS C28500*	2
5	HANDLE	STEEL 0D11	2
6	BALL SEAT	P.T.F.E.	1
7	THRUST WASHER	P.T.F.E.	1
8	PACKING RING	P.T.F.E.	1
9	O-RING	NBR	1
10	O-RING	FKM (Viton®)	1
11	O-RING	EPDM PEROX	1
12	HANDLE	STEEL CL 04	

SIZE	ØP	Q	ØH	L	L1	L2	h	R	Cv	MAX WORK PRESS psi	CWP	Weight Lbs
1/2"	0.55	0.71	1.22	2.93	1.62	1.31	1.77	3.78	18.15	200	200	0.41
3/4"	0.75	0.91	1.46	3.37	1.85	1.52	2.22	4.84	32.37	200	200	0.71
1"	0.94	0.94	1.76	3.81	2.11	1.70	2.32	4.84	47.98	200	200	1.01
1 1/4"	1.19	1.02	2.11	4.17	2.24	1.93	2.85	5.94	97.80	200	200	1.52
1 1/2"	1.50	1.42	2.64	5.23	2.78	2.45	3.09	5.94	252.60	200	200	2.56
2"	1.95	1.57	3.39	6.27	3.29	2.98	3.70	6.30	290.75	200	200	4.39

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES 1670XLC LF XLC PRESS VALVE

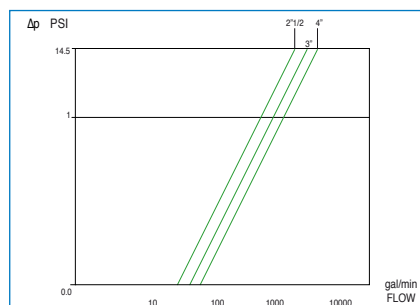
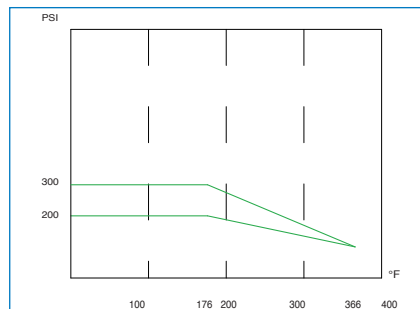
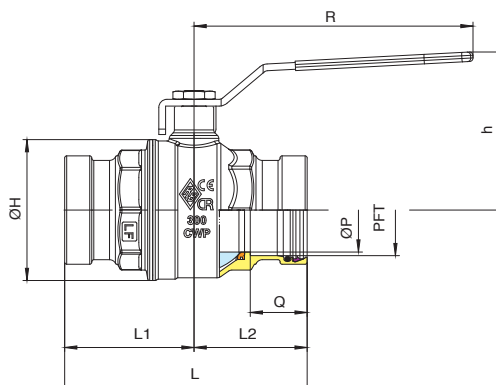
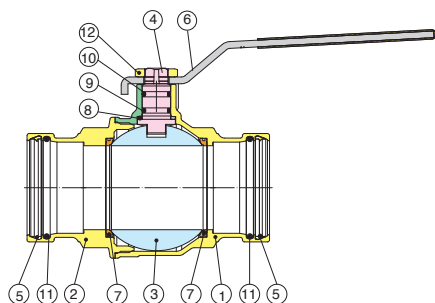
Lead free brass ball valve with XLC EURO-PRESS connections full port.

- Test pressure rating 300 psi up to 3" and 200 psi for the 4".
- Temperature range -4°F to 250°F.
- Blow-out proof stem, stainless steel ball.
- P.T.F.E seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- Made in lead free dezincification resistant brass (LF-DZR).

1670XLC LF: size 2 1/2" to 4".



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N° POS	PART NAME	MATERIAL	N° POS
1	BODY	LF BRASS C27453*	1
2	END CONNECTION	LF BRASS C27453*	1
3	BALL	STEEL 1.4408	1
4	STEM	LF BRASS C28500*	1
5	COMPRESSION RING	STEEL 38NiCrMo4	2
6	HANDLE	STEEL DD11	1
7	BALL SEAT	P.T.F.E	1
8	THRUST WASHER	P.T.F.E	1
9	O-RING	NBR	1
10	O-RING	FKM (Viton®)	1
11	O-RING	EPDM PEROX	2
12	NUT	STEEL CL04	1

SIZE	ØP	Q	ØH	L	L1	L2	h	R	Cv	MAX WORK PRESS psi	MAX TEST PRESS psi	Weight Lbs
2 1/2"	2.44	1.65	4.09	7.05	3.76	3.29	4.57	8.07	593.06	200	300	8.70
3"	2.99	1.91	4.96	8.27	4.45	3.82	4.98	8.07	958.84	200	300	13.60
4"	3.94	2.42	6.54	10.26	5.28	4.98	6.54	10.31	1526.59	200	200	28.39

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES 1570 LFPT PRESS VALVE

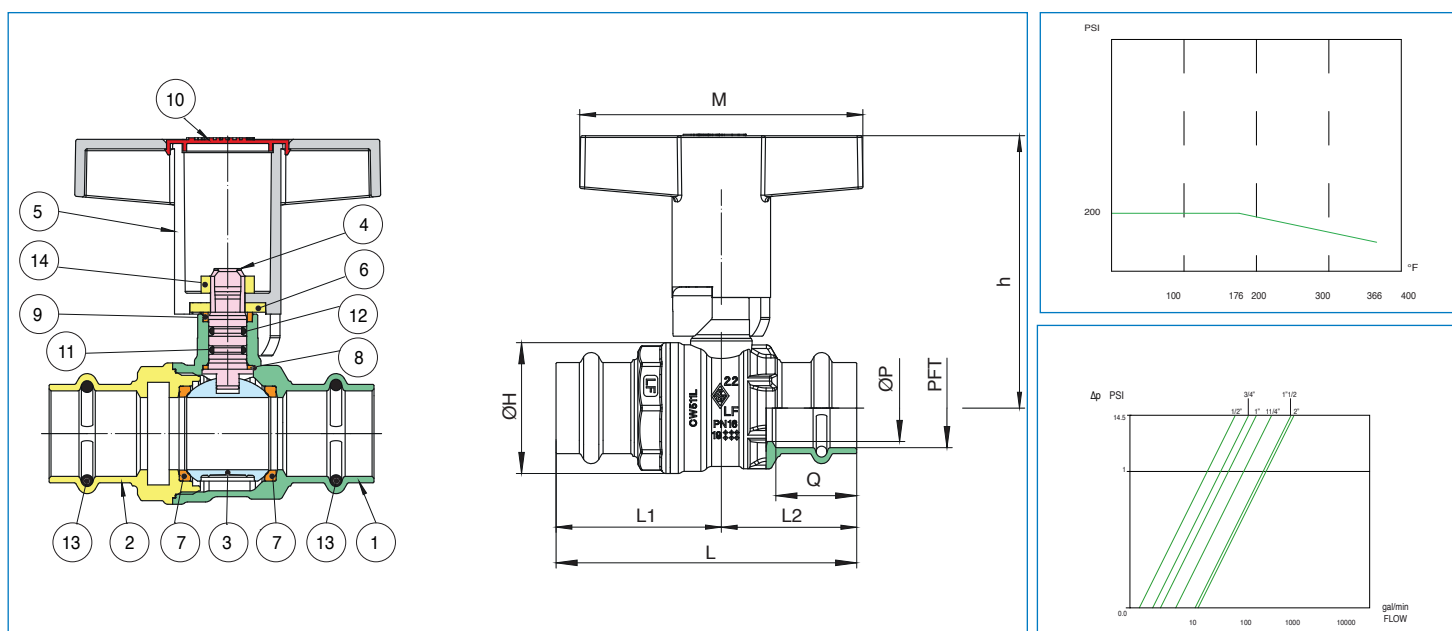
- Lead free brass ball valve with EURO-PRESS connections, full port.
- High tensile strength forged lead-free brass.
 - Tested to 600 psi - working pressure-200 psi.
 - Blow-out proof stem, STL coated LF brass ball.
 - 100% electronically tested in the open and closed position at 80 psi.
 - Valve to be used in fully open or fully closed position.
 - ANSI B1.20.1 thread depths.
 - Ultimate bubble tight dual O-ring stem seals.
 - Handle-polyamide thermal plastic T style.
 - Vapor barrier design.
 - Ideal for all insulated heating/chilled water piping.

1570 LFPT: size 1/2" to 2".



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NEW



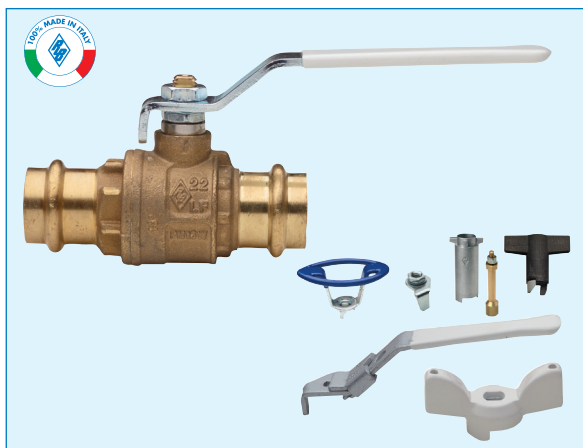
N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF DZR BRASS C27453*	
2	END CONNECTION	LF DZR BRASS C27453*	
3	BALL	LF BRASS C28500*	
4	STEM	LF BRASS C28500*	
5	T-HANDLE	PA6.6	
6	90° STOP	STEEL DD11	
7	BALL SEAT	P.T.F.E.	
8	THRUST WASHER	P.T.F.E.	
9	PACKING RING	P.T.F.E.	
10	CAP	ABS	
11	O-RING	NBR	
12	O-RING	FKM	
13	O-RING	EPDM PEROX	
14	NUT	STEEL CL 04	

SIZE	ØP	Q	ØH	L	L1	L2	h	M	Cv	psi	Weight Lbs
1/2"	0.55	0.71	1.22	2.93	1.62	1.31	2.80	3.15	18.15	200	0.44
3/4"	0.75	0.91	1.46	3.37	1.85	1.52	3.05	3.15	32.37	200	0.64
1"	0.94	0.94	1.76	3.81	2.11	1.70	3.15	3.15	47.98	200	1.01
1 1/4"	1.19	1.02	2.11	4.17	2.24	1.93	4.34	4.72	97.80	200	1.52
1 1/2"	1.50	1.42	2.64	5.23	2.78	2.45	4.57	4.72	252.60	200	2.49
2"	1.95	1.57	3.39	6.27	3.29	2.98	4.96	4.72	290.75	200	4.32

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 1970 LF
PRESS VALVE

Lead free brass ball valve with EURO-PRESS connections, full port.

- Test pressure rating 600 CWP, working pressure 200 psi.
 - Temperature range -4°F to 250°F.
 - Blow-out proof stem, SLT coated LF brass ball.
 - P.T.F.E seats, seals, and thrust washer.
 - Adjustable stem packing
 - 100% electronically tested in the open and closed position at 80 psi.
 - Valve to be used in fully open or fully closed position.
 - Made in lead free dezincification resistant brass (LF-DZR).
 - Press alert O-rings.
- 1970 LF:** size 1/2" to 2".

1970 LF: size 1/2" to 2".

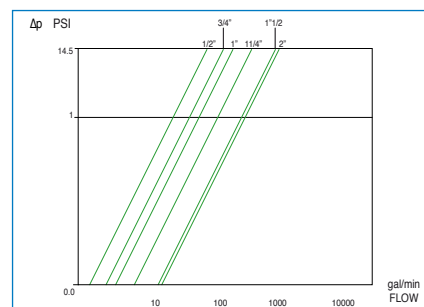
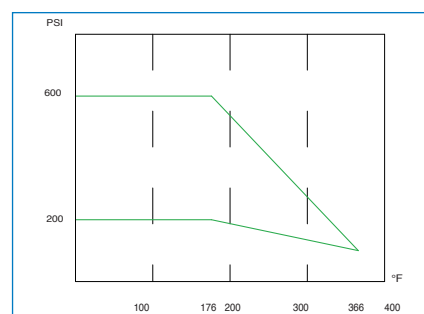
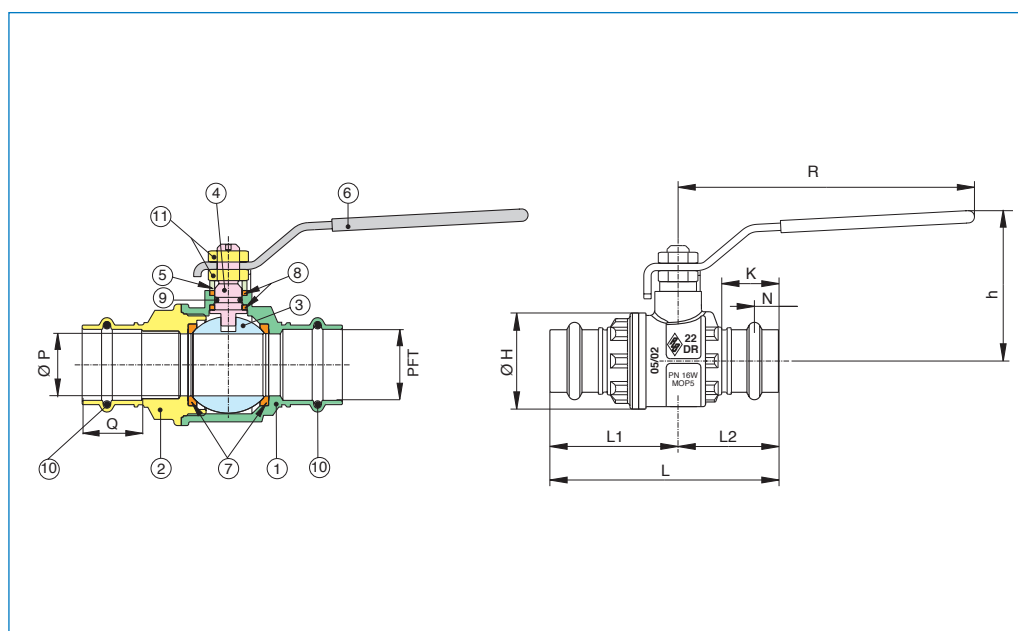
For size 2 1/2", 3" and 4" see 1670XLC LF.



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200 WOG

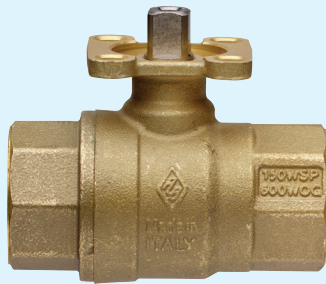


N POS	PART NAME	MATERIAL	N POS	PFT	ØP	Q	K	N	ØH	L	L1	L2	h	R	Cv	MAX WORK PRESS psi	MAX TEST PRESS psi	Weigh Lbs
1	BODY	LF DZR BRASS C27453*	1	1/2"	0.59	0.71	0.67	0.31	1.30	2.99	1.71	1.30	1.89	3.78	18.84	200	600	0.48
2	END CONNECTION	LF DZR BRASS C27453*	1															
3	BALL	LF BRASS C28500*	1	3/4"	0.79	0.91	0.83	0.39	1.57	3.50	1.93	1.57	2.32	4.76	34.10	200	600	0.85
4	STEM	LF BRASS C28500*	1															
5	PACKING GLAND	BRASS C38500	1	1"	0.98	0.94	0.83	0.39	1.93	3.92	2.19	1.73	2.48	4.76	49.71	200	600	1.24
6	HANDLE	STEEL DD11	1															
7	BALL SEAT	P.T.F.E	2	1 1/4"	1.26	1.02	0.83	0.39	2.32	4.23	2.30	1.93	2.99	5.94	102.89	200	600	2.01
8	STEM SEAL/THRUST WASHER	P.T.F.E	2															
9	O-RING	NBR	1	1 1/2"	1.57	1.42	1.02	0.49	2.87	5.33	2.78	2.56	3.25	5.94	265.90	200	600	3.34
10	O-RING	EPDM PEROX	2															
11	NUT	STEEL CL 04	2	2"	1.95	1.57	1.26	0.59	3.43	6.28	3.30	2.98	3.78	6.30	306.36	200	600	5.61

* **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.

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SERIES 250N LF - 253N LF DIRECT MOUNT 2-WAY BALL VALVE

Lead free brass ball valve, FNPT threaded, with ISO 5211 pad for actuator, full port.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to 366°F.
- Blow-out proof stem, SLT. coated LF brass ball.
- P.T.F.E seats with O-ring backing for low operating torque.
- P.T.F.E seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Valve to be used in fully open or fully closed position.
- ANSI B1.20.1 connections.

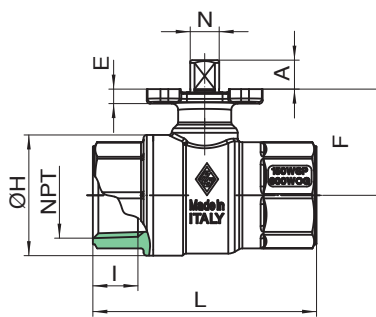
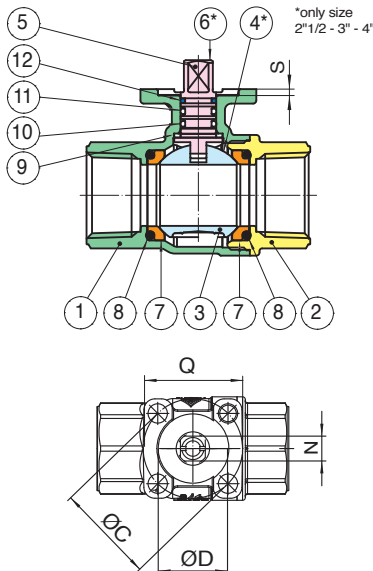
250N LF: size 1/4" to 4".

253N LF: WITH STAINLESS STEEL BALL AND STEM - size 1/4" to 4".



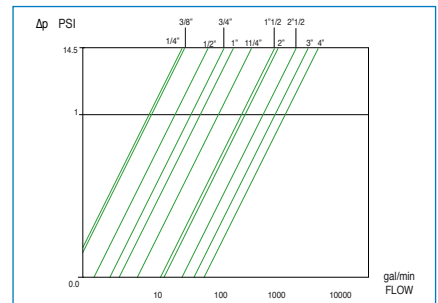
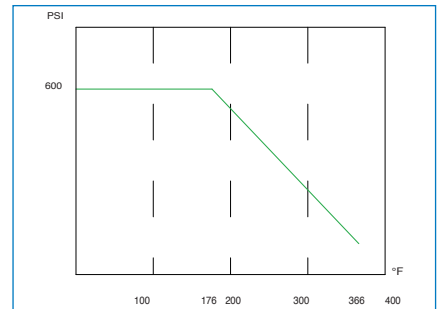
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NEW



O-RING BACKING P.T.F.E SEATS

* (in-Lbs) Torque values in the table are measured in laboratory tests under the following conditions:
TEMPERATURE: 68°F
PRESSURE: 0 psi
FLUID: PURIFIED WATER



N POS	PART NAME	MATERIAL	N POS	SIZE	Q	I	CH	ØH	L	A	B	ØC ISO 5211	ØD	S	E	F	N	CV	PSI	Weight Lbs	Break* Torque (in/Lbs)
1	BODY	LF BRASS C28500*	1	1/4"	1.42	0.39	0.79	1.18	2.24	0.35	0.24	F03	0.98	0.08	0.18	1.22	9	6.24	600	0.46	53.10
2	END CONNECTION	LF BRASS C28500*	1	3/8"	1.42	0.41	0.79	1.18	2.24	0.35	0.24	F03	0.98	0.08	0.18	1.22	9	3.94	600	0.43	53.10
3	BALL	250N LF LF BRASS C28500*	1	1/2"	1.42	0.54	0.98	1.18	2.52	0.35	0.24	F03	0.98	0.08	0.18	1.22	9	18.84	600	0.50	53.10
4	BALL	253N LF AISI 1.4308	1	3/4"	1.42	0.55	1.22	1.48	2.74	0.35	0.24	F03	0.98	0.12	0.18	1.30	9	34.10	600	0.74	53.10
5	STEM	250N LF LF BRASS C28500*	1	1"	1.42	0.66	1.50	1.83	3.23	0.35	0.24	F03	0.98	0.12	0.18	1.56	9	49.71	600	1.21	53.10
6	STEM	253N LF AISI 304	1	1 1/4"	1.42	0.68	1.89	2.21	3.54	0.35	0.24	F03	0.98	0.12	0.18	1.69	9	102.88	600	1.84	53.10
7	BALL SEAT	P.T.F.E.	2	1 1/2"	1.97	0.68	2.12	2.74	4.00	0.43	0.28	F05	1.38	0.12	0.28	2.21	11	265.88	600	3.20	150.46
8	O-RING	FKM (Viton®)	2	2"	1.97	0.70	2.64	3.47	4.69	0.43	0.28	F05	1.38	0.12	0.28	2.57	11	306.34	600	5.49	150.46
9	THRUST WASHER	P.T.F.E.	1	2 1/2"	2.68	0.93	3.39	4.41	5.95	0.59	0.35	F07	2.17	0.12	0.34	3.23	14	624.24	600	10.82	274.37
10	O-RING	FKM (Viton®)	1	3"	2.68	1.02	4.02	5.20	6.69	0.59	0.35	F07	2.17	0.12	0.34	3.60	14	1009.19	600	16.25	274.37
11	O-RING	EPDM	1	4"	2.68	1.09	4.92	6.46	7.84	0.69	0.35	F07	2.17	0.12	0.34	4.43	17	1606.84	600	27.53	646.05
12	THRUST WASHER	P.T.F.E.	1																		

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 250N LF SRL DEADMAN SPRING RETURN

Deadman spring lever lead free brass 2-way 2-piece, full port, FNPT threaded.

- Pressure rating 600 WOG-150 WSP.
- Temperature range -4°F to +366°F.
- Blow-out proof stem, SLT. coated LF brass ball.
- P.T.F.E. seats with O-ring backing for low operating torque.
- P.T.F.E. seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- ANSI B1.20.1 connections.

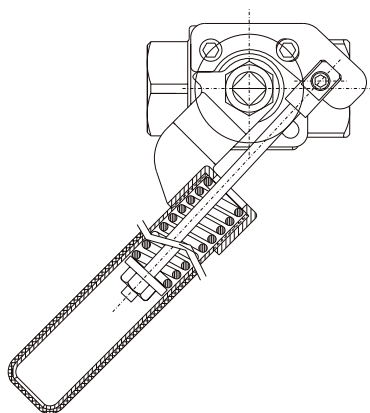
250N LF SRL: size 1/4" to 3".



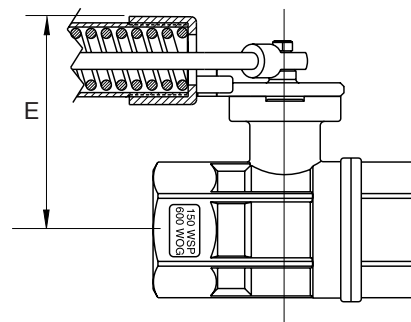
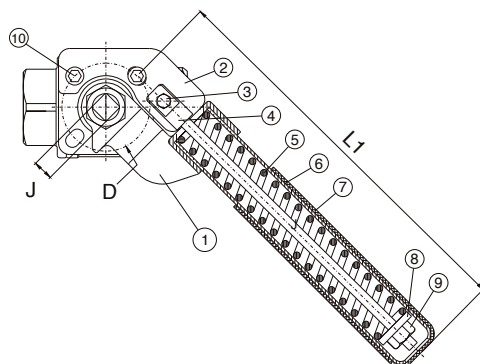
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NEW

OPEN CONDITION



CLOSE CONDITION

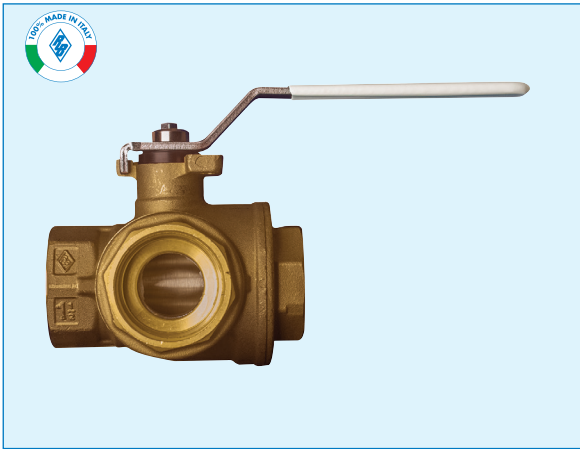


N POS	PART NAME	MATERIAL	SIZE	L1	J mm	D ISO 5211	E
1	HANDLE HEAD	ASTM A351-CF8M	1/4"	6.70	9	F03	1.78
2	ANCHOR	ASTM A351-CF8M	3/8"	6.70	9	F03	1.78
3	ANCHOR SCREW	AISI 316	1/2"	6.70	9	F03	1.78
4	SPRING ROD	AISI 316	3/4"	6.70	9	F03	1.86
5	SPRING	AISI 301	1"	6.70	9	F03	2.29
6	HANDLE EXTENSION	AISI L 304	1 1/4"	6.70	9	F03	2.43
7	SLEEVE	VINYL	1 1/2"	8.65	11	F05	3.02
8	WASHER	AISI 304	2"	8.65	11	F05	3.38
9	HEX NUT	AISI 304	2" 1/2	11.00	14	F07	3.99
10	SOCKET HEAD SCREW	AISI 304	3"	11.00	14	F07	3.99

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 355N LF (T) - 365N LF (L) DIRECT MOUNT 3-WAY BALL VALVE

3-way lead free brass valve, FNPT threaded, with ISO 5211 pad for actuator, reduced port.

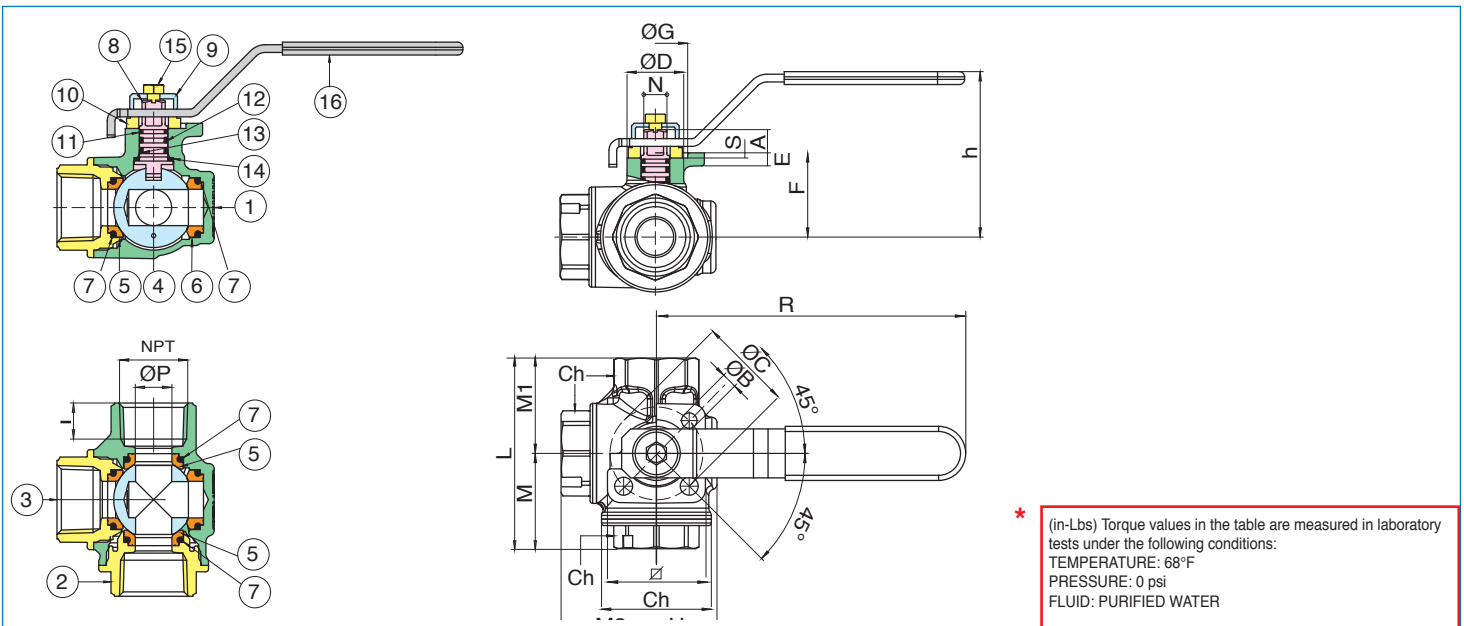
- Pressure rating 400 WOG-100 WSP.
- Temperature range -4°F to +366°F.
- Blow-out proof stem, T.E.A. coated LF brass ball.
- P.T.F.E seats with O-ring backing for low operating torque.
- P.T.F.E seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Four seat design for sealing between pressurized ports.
- ANSI B1.20.1 connections.

355N LF: LEVER HANDLE - size 1/4" to 3", "T" flow pattern.

365N LF: LEVER HANDLE - size 1/4" to 3", "L" flow pattern.



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N POS	PART NAME	MATERIAL	N POS	SIZE	ØP	ØH	I	L	Ch	A	ØB	ØC	ØD	E	F	ØG	M	M1	M2	N	S	U	h	R	Cv 355NLF	Cv 365NLF	psi	Weight Lbs 355NLF	Weight Lbs 365NLF	*Break Torque (in/Lbs)	
1	BODY	LF BRASS C28500 *	1	1/4"	0.39	1.42	0.39	2.36	0.79	0.35	0.24	1.42	0.99	0.20	1.20	1.50	0.87	1.18	1.18	1.18	0.35	0.08	0.79	2.44	4.72	3.26	3.50	400	0.99	1.03	17.70
2	END CONNECTION	LF BRASS C28500 *	1	3/8"	0.43	1.42	0.41	2.44	0.79	0.35	0.24	1.42	0.99	0.20	1.20	1.50	0.87	1.22	1.22	1.22	0.35	0.08	0.79	2.44	4.72	3.50	4.08	400	0.95	0.99	17.70
3	END CONNECTION	LF BRASS C28500 *	1	1/2"	0.43	1.42	0.54	2.78	0.98	0.35	0.24	1.42	0.99	0.20	1.20	1.50	0.87	1.39	1.39	1.40	0.35	0.08	0.79	2.44	4.72	4.20	5.02	400	1.04	1.07	17.70
4	BALL	LF BRASS C28500 *	1	3/4"	0.55	1.67	0.55	2.95	1.22	0.35	0.24	1.42	0.99	0.20	1.29	1.50	0.87	1.48	1.48	1.48	0.35	0.08	0.93	2.52	4.72	7.00	7.70	400	1.36	1.39	26.60
5	BALL SEAT	P.T.F.E	3	1"	0.75	2.01	0.66	3.50	1.50	0.43	0.28	1.97	1.38	0.24	1.73	1.97	0.94	1.75	1.75	1.75	0.43	0.12	1.07	3.05	6.79	12.83	14.24	400	2.38	2.44	26.60
6	BALL SEAT	P.T.F.E	1	1 1/4"	0.95	2.62	0.68	4.04	1.89	0.43	0.28	1.97	1.38	0.24	1.95	1.97	0.94	2.05	1.99	1.99	0.43	0.12	1.31	3.27	6.79	18.67	19.72	400	3.75	3.81	53.10
7	O-RING	FKM (Viton®)	4	1 1/2"	1.18	3.07	0.68	4.66	2.13	0.43	0.28	1.97	1.38	0.28	2.34	1.97	1.26	2.43	2.22	2.43	0.43	0.12	1.57	3.66	6.79	29.75	30.69	400	5.66	5.81	88.50
8	STEM	LF BRASS C28500 *	1	2"	1.50	3.70	0.70	5.41	2.64	0.59	0.35	2.76	2.17	0.31	2.91	2.76	1.46	2.89	2.52	2.89	0.55	0.12	1.82	4.37	9.06	43.76	48.58	400	9.65	9.92	106.20
9	BUSH	BRASS C38500	1	2 1/2"	1.95	4.37	0.93	6.93	3.35	0.59	0.35	2.76	2.17	0.31	3.35	2.76	1.46	3.46	3.46	3.46	0.55	0.12	2.20	4.80	9.06	62.42	64.74	400	19.38	17.78	274.40
10	WASHER	NYLON (PA6)	1	3"	1.95	4.45	1.02	7.09	4.13	0.59	0.35	2.76	2.17	0.31	3.35	2.76	1.46	3.54	3.54	3.54	0.55	0.12	2.20	4.80	9.06	62.42	64.74	400	19.38	21.07	354.30
11	THRUST WASHER	P.T.F.E	1																												
12	O-RING	EPDM	1																												
13	O-RING	FKM (Viton®)	1																												
14	THRUST WASHER	P.T.F.E	1																												
15	SCREW	STEEL CL 8.8	1																												
16	HANDLE	STEEL DD11	1																												

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES 355N LF SRL (T) - 365N LF SRL (L) DEADMAN SPRING RETURN

3-way lead free brass ball valve, FNPT threaded, standard port, with deadman spring return handle.

- Pressure rating 400 WOG-100 WSP.
- Temperature range -4°F to +366°F.
- Blow-out proof stem, SLT, coated LF brass ball.
- P.T.F.E. seats with O-ring backing for low operating torque.
- P.T.F.E. seats and double O-ring stem packing.
- 100% electronically tested in the open and closed position at 80 psi.
- Four seat design for sealing between pressurized ports.
- ANSI B1.20.1 connections.

355N LF SRL: size 1/4" to 2".

365N LF SRL: size 1/4" to 2".

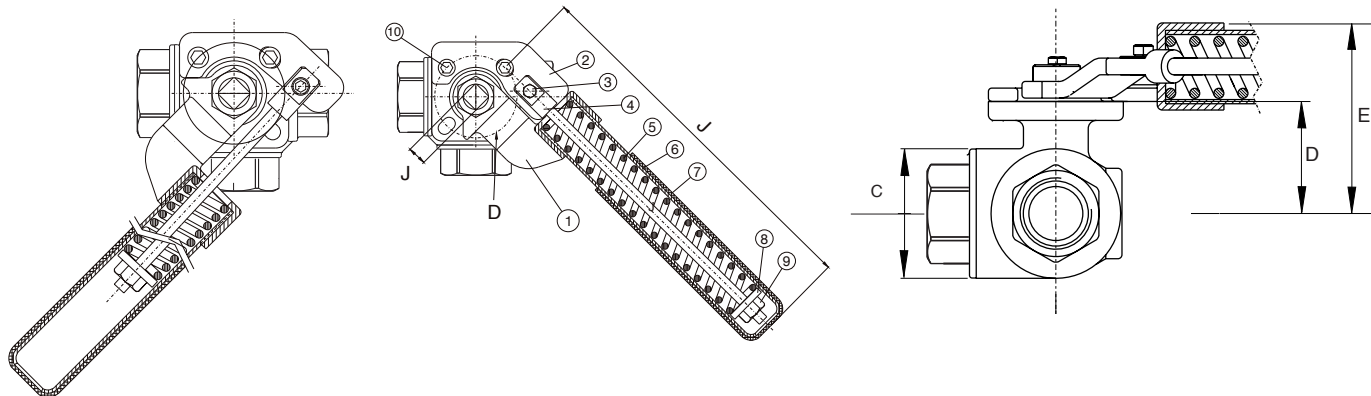


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OPEN CONDITION

CLOSE CONDITION

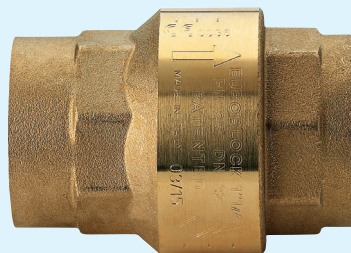


N POS	PART NAME	MATERIAL	SIZE	L	J mm	D ISO 5211	HANDLE TORQUE In-Lbs	E	D	C
1	HANDLE HEAD	ASTM A351-CF8M	1/4"	6.70	9	F03	1.70	1.20	1.34	1.20
2	ANCHOR	ASTM A351-CF8M	3/8"	6.70	9	F03	1.70	1.20	1.34	1.20
3	ANCHOR SCREW	AISI 316	1/2"	6.70	9	F03	1.70	1.20	1.34	1.20
4	SPRING ROD	AISI 316	3/4"	6.70	9	F03	1.79	1.29	1.53	1.29
5	SPRING	AISI 301	1"	8.65	11	F05	2.79	1.63	1.89	1.63
6	HANDLE EXTENSION	AISI 304	1 1/4"	8.65	11	F05	2.93	1.85	2.36	1.85
7	SLEEVE	VINYL	1 1/2"	8.65	11	F05	3.52	2.34	2.83	2.34
8	WASHER	AISI 304	2"	11.00	14	F07	3.82	2.90	3.38	2.91
9	HEX NUT	AISI 304								
10	SOCKET HEAD SCREW	AISI 304								

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 100012 LF CHECK VALVE

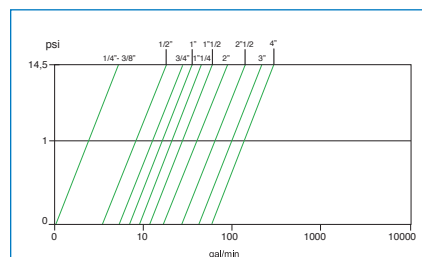
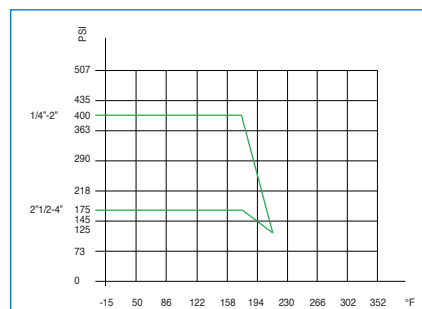
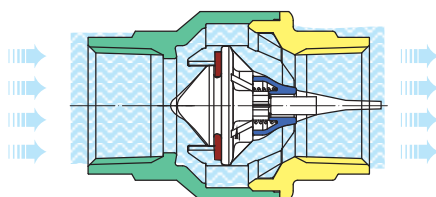
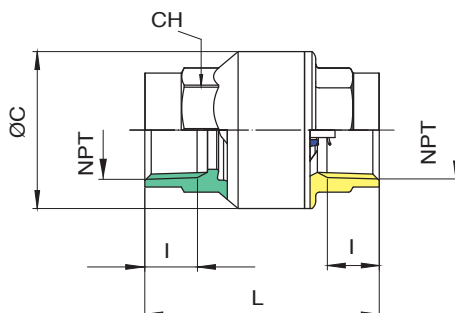
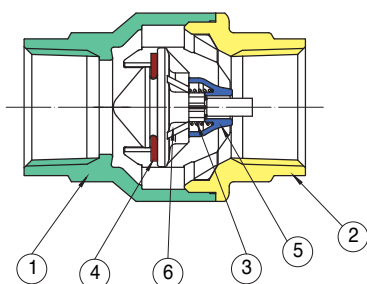
High flow rate, lead free brass, FNPT threaded, in-line spring loaded check valve.

- Pressure rating size 1/4" up to 2" 400 WOG, 2 1/2" - 4" 175 WOG.
- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow pattern to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range -4°F to 210°F.
- High technology materials to ensure best resistance in any condition.
- ANSI B1.20.1 connections.

100012 LF: size 1/4" to 4".



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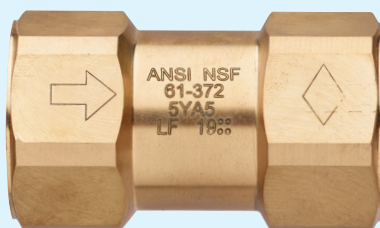


N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF BRASS C28500*	1
2	END CONNECTION	LF BRASS C28500*	1
3	SPRING	AISI 302	1
4	SEAT	NBR	1
5	SUPPORT	POM	1
6	DISC	POLYPHENYLENE SULFIDE	1

SIZE	I	L	ØC	CH	psi	Cv	Weight Lbs
1/4"	0.39	1.73	1.06	0.79	400	2.1	0.22
3/8"	0.41	1.73	1.06	0.79	400	2.1	0.18
1/2"	0.54	2.22	1.36	0.98	400	9.2	0.30
3/4"	0.55	2.48	1.65	1.22	400	15.1	0.49
1"	0.66	2.85	1.93	1.50	400	22.1	0.72
1 1/4"	0.68	3.13	2.40	1.89	400	34.3	1.19
1 1/2"	0.68	3.31	2.87	2.13	400	51.9	1.59
2"	0.70	3.62	3.44	2.64	400	71.3	2.30
2 1/2"	0.93	4.37	4.39	3.27	175	90.1	4.80
3"	1.02	4.86	5.24	3.86	175	141.7	6.83
4"	1.09	5.45	6.42	5.04	175	220.7	11.68

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES 100022 LF CHECK VALVE

Unibody check valve, high flow rate, lead free brass, FNPT threaded, in-line spring loaded check valve.

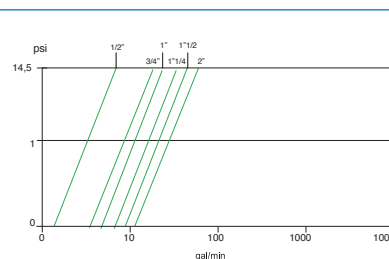
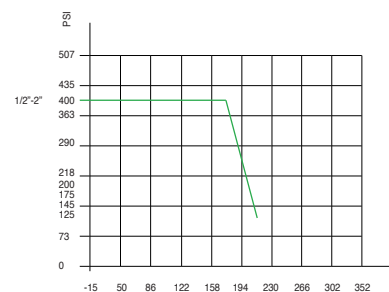
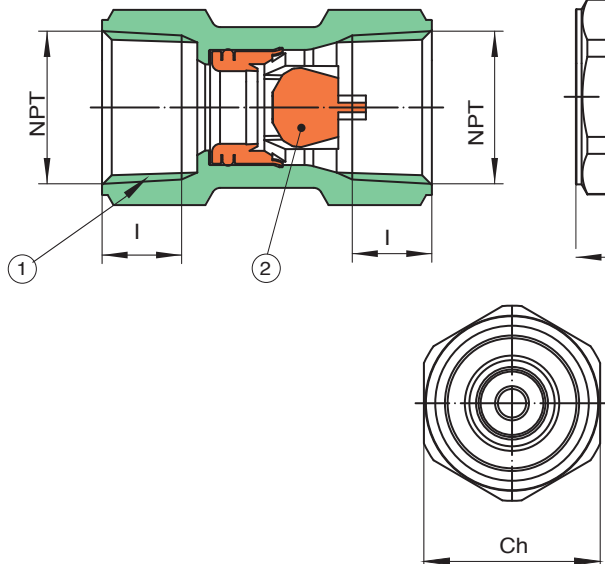
- Pressure rating size 400 WOG.
- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow pattern to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range 4°F to 210°F.
- High technology materials to ensure best resistance in any condition.
- ANSI B1.20.1 connections (NPT).

100022 LF: size 1/2" to 2".



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N POS	PART NAME	MATERIAL	N POS	SIZE	I	L	Ch	psi	Cv	Weight Lbs
1	BODY	LF BRASS C28500*	1	1/2"	0.71	2.22	0.96	400	5.32	0.24
				3/4"	0.91	2.87	1.24	400	10.17	0.40
				1"	0.94	3.17	1.5	400	17.34	0.66
				1 1/4"	1.02	3.33	1.75	400	25.43	0.86
2	CHECK VALVE	POM	1	1 1/2"	1.42	4.41	2.13	400	36.99	1.17
				2"	1.57	5.24	2.6	400	63.58	1.87

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 100112 LF FOOT VALVE

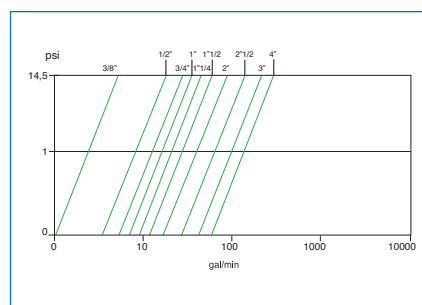
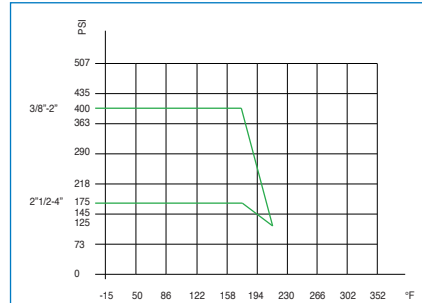
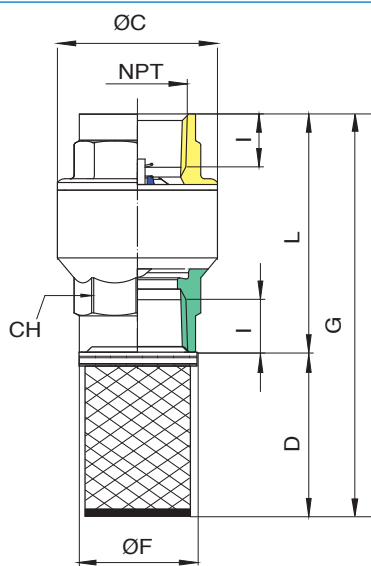
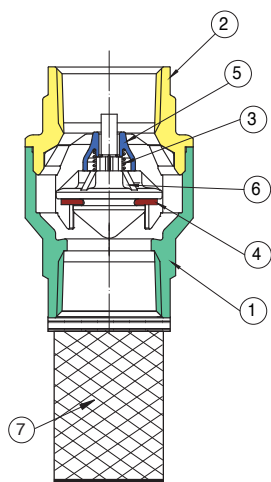
High flow rate, lead free brass, FNPT threaded, in-line spring loaded check valve.

- Pressure rating sizes 3/8"-2" 400 WOG - 2 1/2"-4" 175 WOG.
- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow pattern to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range -4°F to 210°F.
- High technology materials to ensure best resistance in any condition.
- Stainless steel 1000 micron strainer.
- ANSI B1.20.1 connections.

100112 LF: size 3/8" to 4".



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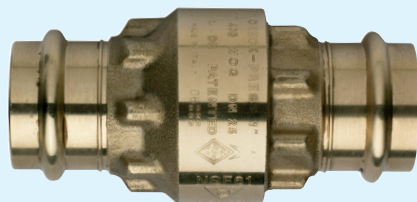
N POS	PART NAME	MATERIAL	N POS
1	BODY	LF BRASS C28500*	1
2	END CONNECTION	LF BRASS C28500*	1
3	SPRING	AISI 302	1
4	SEAT	NBR	1
5	SUPPORT	POM	1
6	DISC	POLYPHENYLENE SULFIDE	1
7	STRAINER	STAINLESS STEEL NYLON 1000 MICRON	1

SIZE	I	L	ØC	D	ØF	G	CH	psi	Cv	Weight Lbs
3/8"	0.41	1.73	1.06	1.67	0.91	3.41	0.79	400	2.1	0.21
1/2"	0.54	2.32	1.36	1.69	1.02	4.02	0.98	400	9.2	0.36
3/4"	0.55	2.56	1.65	1.89	1.26	4.45	1.22	400	15.1	0.52
1"	0.66	2.76	1.93	1.89	1.61	4.65	1.50	400	22.1	0.80
1 1/4"	0.68	2.93	2.40	2.24	1.93	5.18	1.89	400	34.3	1.26
1 1/2"	0.68	3.17	2.87	2.68	2.17	5.85	2.13	400	51.9	1.76
2"	0.70	3.37	3.46	3.27	2.64	6.63	2.64	400	71.3	2.39
2 1/2"	0.93	4.37	4.39	3.29	3.39	7.66	3.27	175	90.1	4.98
3"	1.02	4.86	5.24	3.90	3.90	8.76	3.86	175	141.7	7.27
4"	1.09	5.41	6.42	4.53	4.80	9.94	5.04	175	220.7	12.22

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 100612 LF PRESS CHECK VALVE

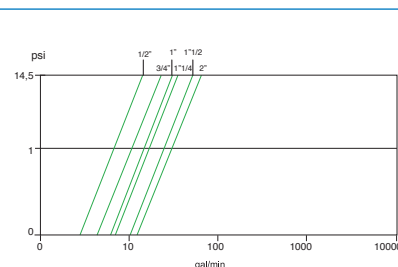
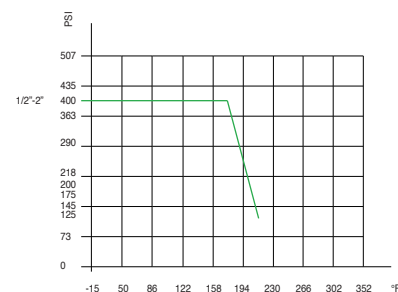
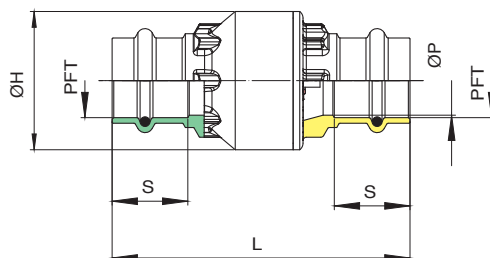
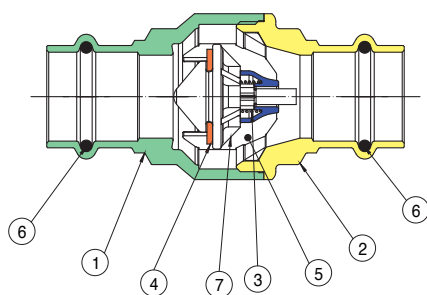
High flow rate, lead free brass, EURO-PRESS connections, in-line spring loaded check valve.

- Pressure rating size 1/2" - 2" 400 WOG.
- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow profile designed to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range -4°F to 210°F.
- High technology materials to ensure the best corrosion resistance for any water application.
- Press system for easy assembly of pipe.
- Press alert O-rings.

100612 LF: size 1/2" to 2".



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N POS	PART NAME	MATERIAL	N PCS
1	BODY	LF DZR BRASS C27453*	1
2	END CONNECTION	LF DZR BRASS C27453*	1
3	SPRING	AISI 302	1
4	SEAT	NBR	1
5	SUPPORT	POM	1
6	O-RING	EPDM PEROX	2
7	DISC	POLYPHENYLENE SULFIDE	1

SIZE	ØP	S	L	ØH	Cv	MAX WORK PRESS psi	MAX TEST PRESS psi	Weight Lbs
1/2"	0.59	0.71	2.99	1.36	9.36	200	400	0.30
3/4"	0.79	0.91	3.56	1.65	16.30	200	400	0.53
1"	0.98	0.94	3.94	1.93	24.16	200	400	0.72
1 1/4"	1.26	1.02	4.09	2.40	35.84	200	400	1.17
1 1/2"	1.57	1.42	4.96	2.87	51.90	200	400	1.81
2"	1.97	1.57	5.57	3.44	82.19	200	400	2.50

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





SERIES 100622 LF PRESS CHECK VALVE

Unibody check valve, high flow rate, lead free brass, EUROPRESS connections, in-line spring loaded check valve.

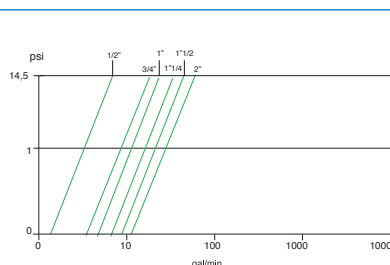
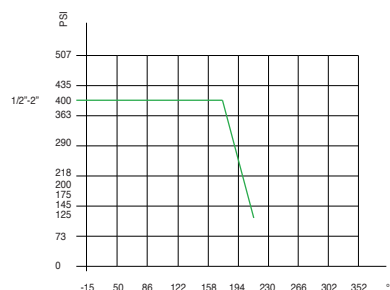
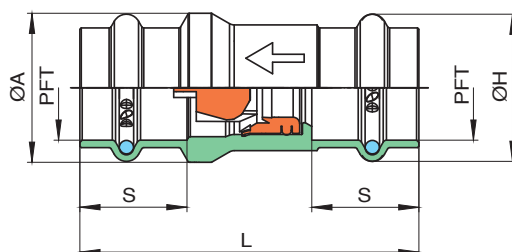
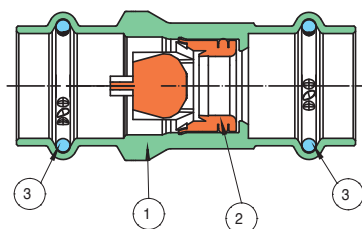
- Pressure rating size 200 WOG.
- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow pattern to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range.
- 4°F to 210°F.
- High technology materials to ensure best resistance in any condition.

100622 LF: size 1/2" to 2".



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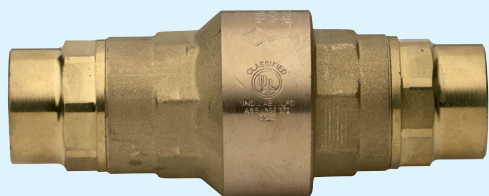


N POS	PART NAME	MATERIAL	N PCS	SIZE	S	L	ØH	Ch	Cv	PSI	Weight Lbs
1	BODY	LF DZR BRASS C27453*	1	1/2"	0.71	2.22	0.96	-	5.32	200	0.15
				3/4"	0.91	2.87	1.24	-	10.17	200	0.29
2	CHECK VALVE	POM	1	1"	0.94	3.17	1.50	-	17.34	200	0.45
				1 1/4"	1.02	3.64	-	1.89	25.43	200	0.76
3	O-RING	EPDM	2	1 1/2"	1.42	4.43	-	2.13	36.99	200	1.21
				2"	1.57	5.35	-	2.64	63.58	200	1.93

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.





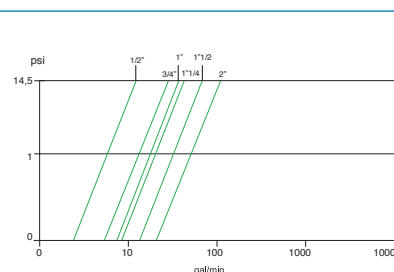
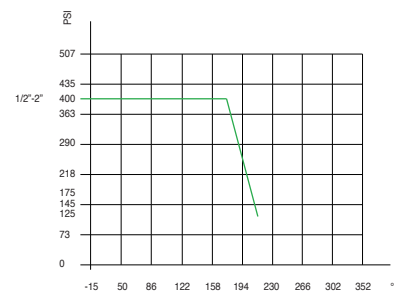
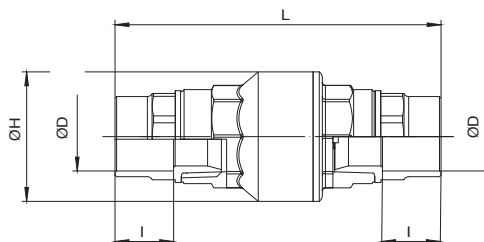
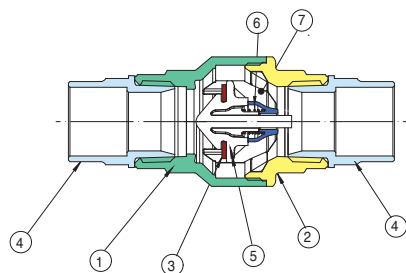
SERIES 100712 LF IN-LINE SWEAT ENDS CHECK VALVE

High flow rate, lead free brass, solder ends, in-line spring loaded check valve.

Pressure rating size 1/2" - 2" 400 WOG.

- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow profile designed to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range -4°F to 210°F.
- High technology materials to ensure the best resistance in any condition.
- ANSI B16.18 connections.
- Traditional sweating procedures recommended.

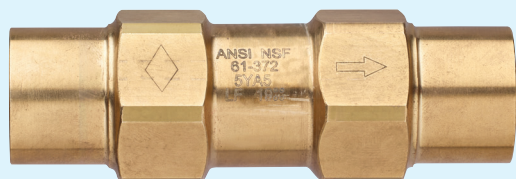
100712 LF: size 1/2" to 2".



N POS	PART NAME	MATERIAL	N PCS	SIZE	ØD	I	L	ØH	Cv	psi	Weight Lbs
1	BODY	LF BRASS C28500*	1	1/2"	0.63	0.50	3.43	1.36	8.1	400	0.45
2	END CONNECTION	LF BRASS C28500*	1	3/4"	0.88	0.75	4.17	1.65	14.1	400	0.77
3	SEAT	NBR	1	1"	1.13	0.91	4.88	1.93	20.9	400	1.16
4	CONNECTION	LF BRASS C28500	1	1 1/4"	1.38	0.97	5.26	2.40	35.84	400	1.81
5	DISC	POLYPHENYLENE SULFIDE	1	1 1/2"	1.63	1.10	5.79	2.87	51.90	400	2.53
6	SPRING	AISI 302	2	2"	2.13	1.34	6.56	3.44	82.19	400	3.50
7	SUPPORT	POM	1								

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.



SERIES 100722 LF CHECK VALVE

Unibody check valve, high flow rate, lead free brass, solder ends, in-line spring loaded check valve.

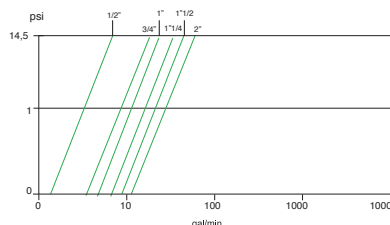
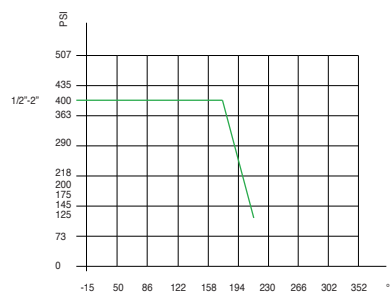
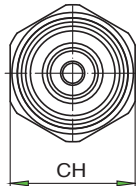
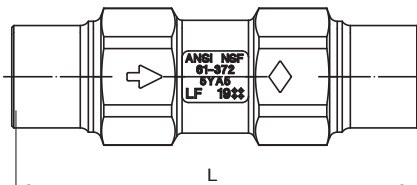
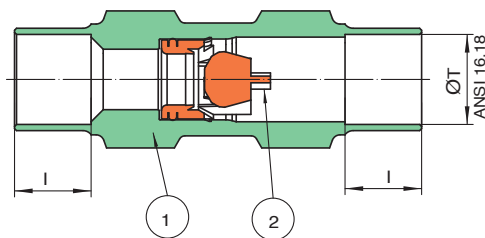
- Pressure rating 400 WOG.
- Soft seat for bubble tight shutoff, spring loaded for fast seating action.
- Low cracking pressure 1/2 psi.
- Flow pattern to minimize head loss.
- Perfect sealing both at high and low pressure wide temperature range.
- 4°F to 210°F.
- High technology materials to ensure best resistance in any condition.
- ANSI B16.18 connections (solder).

100722 LF: size 1/2" to 2".



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N POS	PART NAME	MATERIAL	N PCS	SIZE	S	L	ØH	I	Ch	PSI	Cv	Weight Lbs
1	BODY	LF BRASS C28500*	1	1/2"	0.71	3.13	0.63	0.50	1.18	400	5.32	0.43
				3/4"	0.91	3.98	0.88	0.75	1.22	400	10.17	0.60
				1"	0.94	4.67	1.13	0.91	1.50	400	17.34	0.95
2	CHECK VALVE	POM	1	1 1/4"	1.22	4.55	1.38	0.97	1.89	400	25.43	1.50
				1 1/2"	1.50	5.47	1.63	1.10	2.13	400	36.99	2.08
				2"	1.69	6.24	2.13	1.34	2.64	400	63.58	3.33

* 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.

WARNING: This product can expose you to chemicals including lead, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.p65warnings.ca.gov.