



JOB NAME:	CONTRACTOR:
JOB LOCATION:	APPROVAL:
ENGINEER:	CONTRACTOR P.O.:
APPROVAL:	REPRESENTATIVE:

161N LF

COMMERCIAL STYLE BRASS BALL VALVE W NPT ENDS
SIZES 1/2" TO 4"

161L LF - LOCKING LEVER HANDLE
162N LF - T-HANDLE - 1/2" TO 1"

1615 LF

COMMERCIAL STYLE BRASS BALL VALVE W SWEAT ENDS
SIZES 1/2" TO 2"

1625 LF - T-HANDLE - 1/2" TO 1"



VALVE FEATURES

- **161NLF** - Full Port LF Brass, Sizes 1/2" to 4"
- **1615LF** - Full Port LF Brass, Sizes 1/2" to 1"
- Pressure rating 600 WOG - 150 WSP
- Temperature range -4°F to 366°F
- Blow out proof stem, T.E.A. 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 used in full open or fully closed position
- ANSI B1.20.1 connections

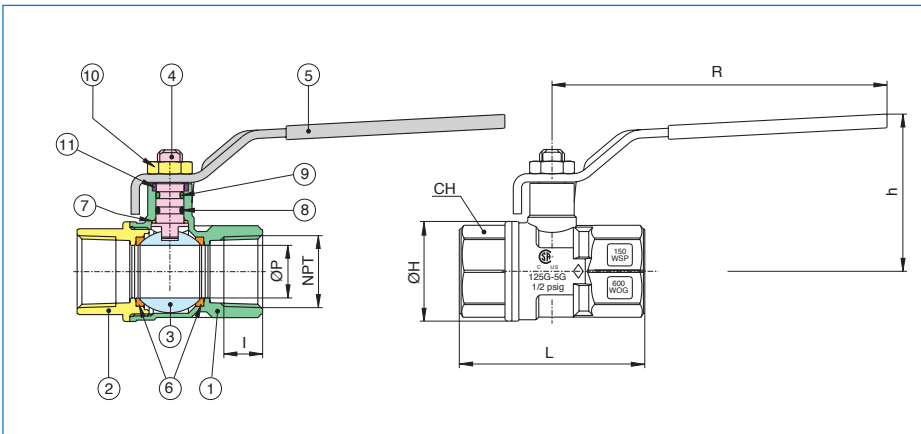
SPECIFICATIONS

A 2-piece adapter loaded style, full port lead free brass ball valve. The valve shall have a hot forged brass body and adapter for high tensile strength, a blowout proof bottom loaded stem, a 600WOG body rating and 150WSP rating for all sizes, 1/4" to 4"

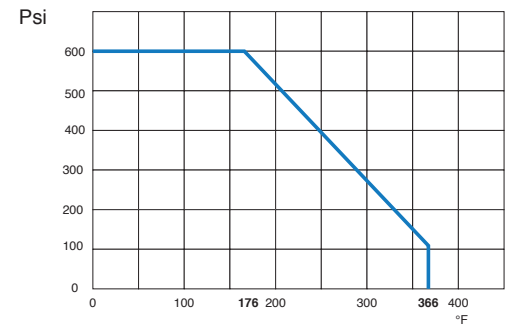
All wetted components of the valve shall be made from brass alloy CW510L/ASTM C28500 containing no bismuth, thus preventing stress cracking. The ball shall be T.E.A. coated for guaranteed wear, corrosion, and porosity resistance. The valve must have less than .20% lead content, and be approved to NSF-61 ANNEX F and G.

The valve must incorporate virgin P.T.F.E. seats and seals for the tightest sealing, and two O-ring's around the stem for maximum leakage protection. The threaded valve must conform to ANSI B1.20.1 and solder version (1615LF) to ANSI B16.18.

The 161NLF shall conform and approved to the following standards: AGAZ21.15, AGA 3-88, ASME 16.33, ASME 16.38, CAN/CGA-3.16, MSS SP-110, U.L. YSDT, U.L. YRPV, U.L. VQGU, and FM-FMRC Class 1140, and shall be a RB series 161NLF (threaded) or 1615LF (solder). CRN numbers available.



PRESSURE TEMPERATURE CHART FOR 161N LF/1615 LF



N POS	PART NAME	MATERIAL	N PCS
1	BODY	BRASS C28500*	1
2	END CONNECTION	BRASS C28500*	1
3	BALL BALL (2-1/2" to 4")	BRASS C28500* STEEL 1.4401	1
4	STEM	LF BRASS C28500*	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	NBR	1
9	O-RING	FKM (Viton)	1
10	NUT	STEEL CL04	1
11	PACKING RING	P.T.F.E.	1

SIZE	ØP	I	L	ØH	CH	R	h	Cv	psi	Weight (Lbs.)
1/2"	0.55	0.54	2.22	1.22	0.98	3.78	1.77	18.15	600	0.40
3/4"	0.75	0.55	2.46	1.46	1.22	4.76	2.22	32.37	600	0.66
1"	0.94	0.66	3.01	1.76	1.50	4.76	2.32	47.98	600	0.99
1-1/4"	1.19	0.68	3.37	2.11	1.89	5.94	2.85	97.80	600	1.60
1-1/2"	1.50	0.68	3.70	2.64	2.13	5.94	3.09	252.60	600	2.19
2"	1.95	0.70	4.31	3.39	2.64	6.30	3.70	290.75	600	3.97
2-1/2"	2.44	0.93	5.16	4.09	3.27	8.07	4.59	593.06	600	7.58
3"	2.99	1.02	5.94	4.96	3.86	8.07	4.98	958.84	600	11.90
4"	3.94	1.09	7.60	6.54	4.92	10.31	6.56	1526.59	600	24.69

* 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.