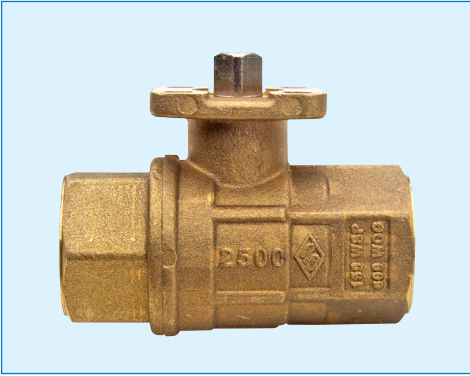


# CR-TEC Engineering

Automated Valve Solutions



## CRBLF101F

**FULL PORT, DIRECT MOUNT LEAD FREE BRASS BALL VALVE  
WITH NPT THREADS  
1/4" TO 4"**



### VALVE FEATURES

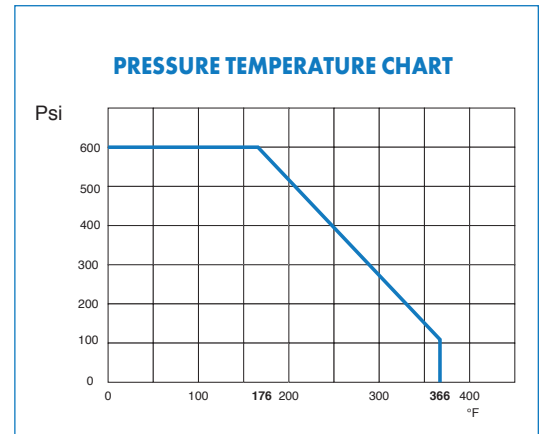
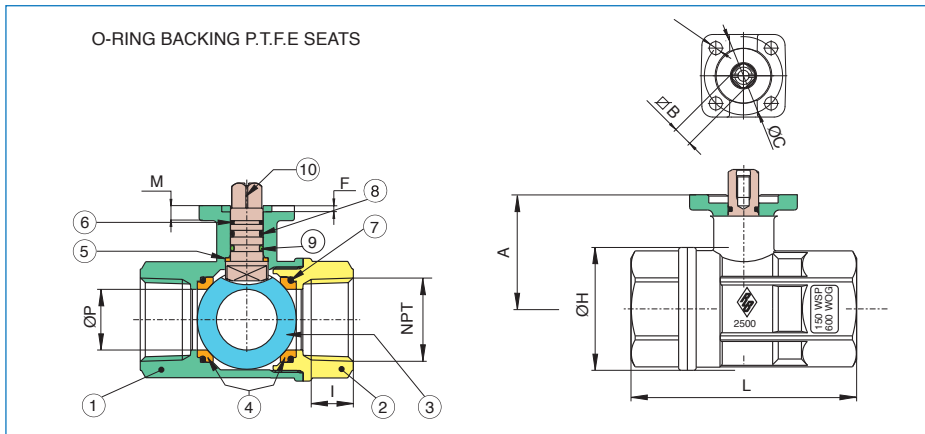
- Pressure rating 600 WOG - 150 WSP
- Temperature range -4°F to 366°F
- Blow out proof stem, T.E.A. coated LF brass ball
- P.T.F.E. seats with O-ring backing for low operating torque
- P.T.F.E. seats and double O-ring stem packing
- 100% electronically tested in the open and closed position at 80 psi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

### SPECIFICATIONS

A 2-piece adapter loaded style, direct mount full port lead free brass ball valve. The valve must incorporate P.T.F.E. seats with O-ring backing for low operating torque. The valve shall have a hot forged lead free brass body for high tensile strength, a blowout proof bottom loaded T.E.A. coated LF brass ball and stem, a 600WOG body rating and 150WSP rating for all sizes, 1/4" to 4".

The valve must include an ISO 5211 mounting pad with a square stem and conform to ANSI B1.20.1 thread connection standards.

The valve must also include one (1) P.T.F.E. seal and one (1) FKM Viton seal for added protection.



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	BALL SEAT	P.T.F.E.	2
5	THRUST WASHER	P.T.F.E.	1
6	STEM SEAL	P.T.F.E.	1
7	O-RING	FKM (Viton)	2
8	O-RING	EPDM	1
9	O-RING	FKM (Viton)	1
10	STEM	LF BRASS C28500*	1

SIZE	A	ISO 5211 ØC	F	Stem Size mm	Ød	ØH	I	L	CH	M	ØP	Cv	psi	Weight Lbs	Break Torque in. lbs.
1/4"	1.28	F03	0.08	9	0.24	1.32	0.39	2.64	1.06	0.22	0.39	6.24	600	0.81	17.70
3/8"	1.28	F03	0.08	9	0.24	1.32	0.41	2.64	1.06	0.22	0.39	6.94	600	0.79	17.70
1/2"	1.28	F03	0.08	9	0.24	1.32	0.54	2.64	1.06	0.22	0.55	18.84	600	0.68	17.70
3/4"	1.36	F03	0.12	9	0.24	1.57	0.55	2.99	1.26	0.20	0.75	34.10	600	0.88	26.60
1"	1.79	F03	0.12	9	0.24	1.93	0.66	3.35	1.61	0.24	0.95	49.71	600	1.59	26.60
1-1/4"	1.93	F03	0.12	9	0.24	2.30	0.68	3.66	1.97	0.24	1.18	102.89	600	2.23	53.10
1-1/2"	2.52	F05	0.12	11	0.28	2.87	0.68	4.13	2.17	0.31	1.50	265.90	600	3.70	88.50
2"	2.88	F05	0.12	11	0.28	3.60	0.70	4.80	2.76	0.31	1.98	306.36	600	3.95	106.20
2-1/2"	3.48	F07	0.12	14	0.35	4.51	0.93	6.10	3.54	0.35	2.52	624.28	600	9.57	274.40
3"	3.86	F07	0.12	14	0.35	5.35	1.02	6.89	4.13	0.35	2.99	1009.25	600	13.38	354.30
4"	4.59	F07	0.12	17	0.35	6.54	1.09	8.03	5.12	0.33	3.74	1606.94	600	21.16	575.30

\* 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.