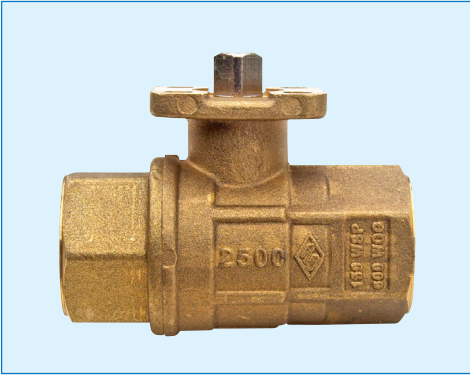


CR-TEC Engineering

Automated Valve Solutions



CRPB101F

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

VALVE FEATURES

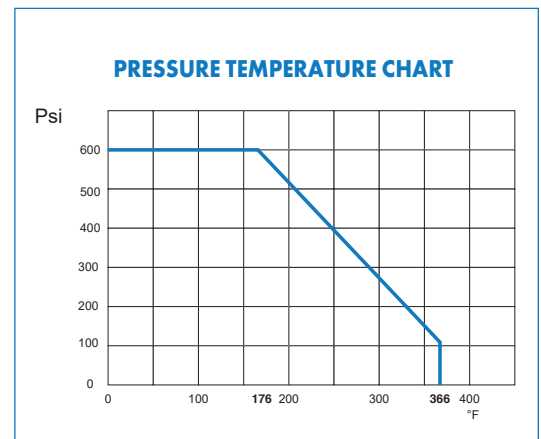
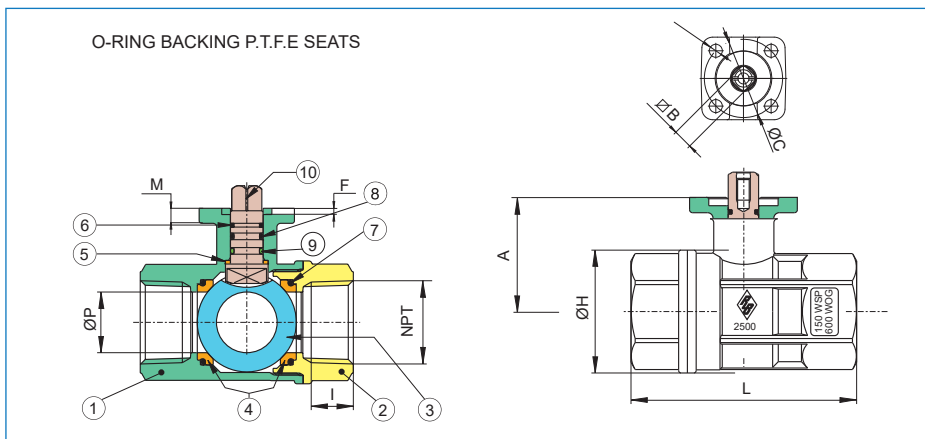
- sizes 1/4" to 4"
- Pressure rating 600 WOG - 150 WSP
- Temperature range -4°F to 366°F
- Blow out proof stem
- P.T.F.E. seats with O-ring backing for low operating torque
- P.T.F.E. seats and double O-ring stem packing
- 100% electronically tested in the open and closed position at 80 psi
- Not to be used for drinking water
- 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 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 brass body for high tensile strength, a blowout proof bottom loaded chrome-plated 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	BRASS C38000	1
2	END CONNECTION	BRASS C38000	1
3	BALL	BRASS C38000	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	BRASS C38500	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