

**NEW Lead-Free Bronze Ball Valves with Spring Return Handle**

Spring Return Handle to Close • Press Ends Leak Detection • Silicon Performance Bronze® Alloy • Two-Piece Body • Full Port • Blowout-Proof Stem

**250 PSI/17 bar non-shock cold working pressure**

Lead-free markings: Double oval in body casting, white handle and blue hang tag

MSS SP-110/145 • NSF/ANSI/CAN 61-8 COMMERCIAL HOT 180° F • NSF/ANSI 372

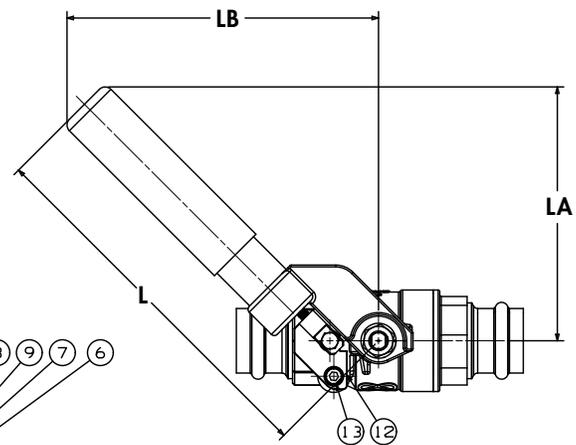


**MATERIAL LIST**

PART	SPECIFICATION
1. Body	ASTM B584 C87600 DZR Lead-free Silicon Bronze Casting
2. Body End Piece	ASTM B584 C87600 DZR Lead-free Silicon Bronze Casting
3. Seats (2)	Reinforced PTFE
4. Ball (Vented)	ASTM B584 C46500 DZR Lead-free Brass (1/2" - 1") ASTM A276 S31600 or A351 CF8M Stainless Steel (1 1/4" - 2")
5. Stem	ASTM C69300 Lead-free Silicon Bronze
6. Thrust Washer	Reinforced PTFE
7. Stem Packing	Virgin PTFE
8. Threaded Pack Gland	Brass ASTM B16 Alloy C36000
9. Handle assembly	Stainless Steel Type 316 and 304 with Vinyl Cover
10. Lock Washer	Stainless Steel
11. Handle Nut	Stainless Steel
12. Mounting Plate	Stainless Steel ASTM A351 Type CF8M
13. Socket Head Cap Screw (2)	Stainless Steel Type 304
14. Hex Shoulder Bolt	Stainless Steel
15. Press End Adapter (2)	ASTM B75 Alloy C12200 Wrot Copper
16. Boss Seal (2)	EPDM
17. Press End Seal (2)	EPDM (Leak Detection)

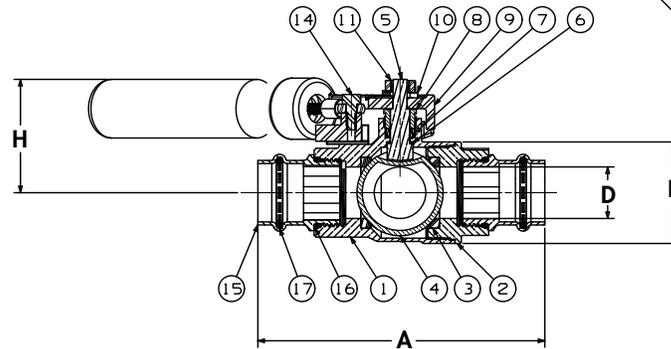


**PC-585-80-LF-SR**  
Press x Press



**PC-585-80-LF-SR**  
Press x Press

**Carbon Steel and Stainless Steel Ball Valve options available. See Ball Valve Catalog.**



**DIMENSIONS—WEIGHTS**

Size	Dimensions																
	A		B		C		H		L		LA		LB		Lbs.	Kg	
In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.			mm.
1/2	12.70	3.95	100	1.57	40	0.50	13	1.73	44	7.11	181	4.84	123	5.79	147	1.43	0.65
3/4	19.05	5.10	130	2.00	51	0.75	19	2.01	51	7.28	185	4.92	125	6.04	153	2.16	0.98
1	25.40	5.56	141	1.97	50	1.00	25	2.22	56	7.28	185	4.92	125	6.04	153	2.76	1.25
1 1/4	31.75	6.23	158	2.31	59	1.25	32	2.69	68	9.51	242	6.50	165	7.62	194	4.43	2.01
1 1/2	38.10	7.55	192	2.84	72	1.50	38	2.91	74	9.51	242	6.50	165	7.62	194	5.33	2.42
2	50.80	8.38	213	3.54	90	2.00	51	3.15	80	9.51	242	6.50	165	7.62	194	7.63	3.46

NIBCO Press System ball valves are designed to meet MSS SP-110 with the exception of the end connection. Ball valves are down-rated from 600 PSI CWP to 250 PSI CWP to match the Press System. Male and female press-to-connect ends are new technology not yet covered in the current edition of this specification.

**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](http://www.P65Warnings.ca.gov).

Visit our website for the most current information.

LEAD-FREE: Weighted average lead content ≤ 0.25%