

**NEW NIBCO® 585HP Lead-Free Bronze Ball Valves**

**Features:** Silicon Performance Bronze® Alloy • Laser-Welded Cast Body • Triple-Sealed Stem • Reversible Handle • Easily Adjustable Packing Nut • Blowout-Proof Stem • Hose Cap and Chain • Press Ends Leak Detection

**Approvals:** MSS SP-110/145 • NSF/ANSI 61/372 • IAPMO/ANSI Z1157

**Size range:** ½", ¾"

**Pressure rating:** 250 psi non-shock cold working pressure\*

**Body design pressure:** 1,000 psi non-shock cold working pressure

**Maximum pressure / temperature:** 225 psi at 250° F\*

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

United States Patent  
No. 10,234,043 &  
United States Patent  
No. 11,131,403



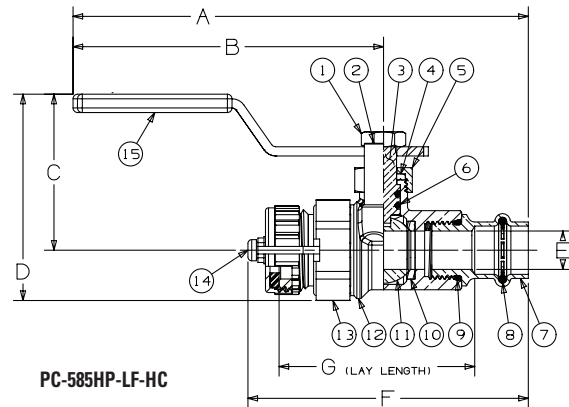
**MATERIAL LIST**

PART	SPECIFICATION
1. Handle Nut	Carbon Steel, GEOMET® Coated
2. Handle Stop	ASTM A276 S31600 Stainless Steel
3. Stem	ASTM C69300 DZR Lead-free Silicon Brass ASTM A276 316 Stainless Steel
4. Packing	PTFE
5. Packing Nut	ASTM B16 C36000 Brass
6. Stem O-ring (2)	Qmonix® EPDM
7. Press End Adapter	C12200 Wrought Copper
8. Crimp Evident Seal	EPDM
9. Press O-ring	EPDM
10. Seats (2)	Reinforced PTFE
11. Ball	ASTM B584 46500 DZR Lead-free Brass ASTM A276 or A351 CF8M Stainless Steel
12. Body	ASTM B584 C87500 DZR Lead-free Silicon Bronze Casting
13. Body End Piece	ASTM B371 C69300 DZR Lead-free Silicon Brass
14. Hose Cap Assembly	HPB58-3 Brass
15. Handle	Carbon Steel, GEOMET® Coated, Plastisol Grip



**PC-585HP-LF-HC**  
Press x Hose Cap

PC-585HP-66-LF-HC with stainless steel trim also available.



PC-585HP-LF-HC

**DIMENSIONS - WEIGHTS**

Size	A		B		C		D		E		F		G		Weights	
In.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	In.	mm.	lbs.	kg
½"	5.93	150.62	4.04	102.62	2.03	51.56	2.69	68.33	0.50	12.70	3.65	92.71	2.55	64.77	0.780	0.354
¾"	6.65	168.91	4.18	106.17	2.31	58.67	3.18	80.77	0.75	19.05	4.26	108.20	2.89	73.41	1.112	0.504

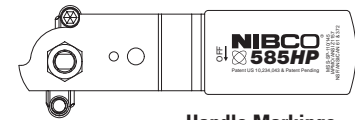
Note: 1. Cap is for hose end thread protection only. Not to be used for pressure containing purposes.

\*NIBCO® Press System ball valves are designed to meet MSS SP-110, with the exception of the end connection. Ball valves are downrated from 1000 psi CWP to 250 psi CWP to match the Press System.

GEOMET® is a registered trademark of NOF Metal Coatings, Inc.

QMONIX® is a trademark of Quadion LLC

**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).



Handle Markings

LEAD-FREE: Weighted average lead content ≤ 0.25%