



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-SP110/145 • IAPMO/ANSI Z1157 • ASME A112.4.14/CSA B125.14 • NSF/ANSI/CAN 61/372-8 Commercial Hot 180° F • ICC-ES PMG

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



IAPMO/ANSI Z1157
ASME A112.4.14
CSA B125.14



NSF/ANSI/CAN 61 & 372



Complies to UPC

MATERIAL LIST

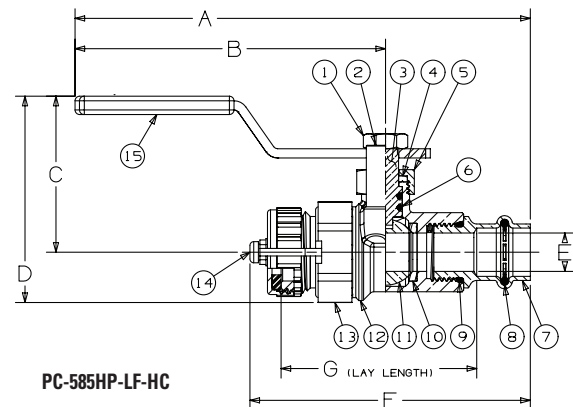
PART	SPECIFICATION
1. Handle Nut	Carbon Steel, GEOMET® Coated
2. Handle Stop	ASTM A276 S31600 Stainless Steel
3. Stem	ASTM C69300 DZR Lead-free Silicon Brass ASTM A276 316 Stainless Steel
4. Packing	PTFE
5. Packing Nut	ASTM B16 C36000 Brass
6. Stem O-ring (2)	Qmonix® EPDM
7. Press End Adapter	C12200 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.

LEAD-FREE: Weighted average lead content ≤ 0.25%