

SPECIFICATIONS

FIGURE X432

BRASS BODY BALL VALVE



LOW-LEAD COMPLIANT¹ 2-PC² FULL PORT PRESS BALL VALVE

FNW Figure X432 allows for quick installation on ASTM B88 standard copper piping systems (Type K, L and M hard drawn copper tubing or soft copper tube up to 1-1/4"). The lighter pattern offers a more economical option to the Figure X430 ball valves. The forged body and end cap made with dezincification-resistant (DZR) brass provides excellent corrosion resistance making it ideal for both residential and commercial applications. Leak before press features provide a quick way to identify unpressed ends.

FEATURES

- Forged brass body & end cap
- 100% DZR brass offers greater protection against corrosion and cracking
- No soldered-in end pieces
- 300 PSI max working pressure
- 250°F max temperature
- Full port (1/2"–3") / Standard Port (4")
- Blow-out proof stem
- Dual O-ring non-adjustable packing
- 100% electronically tested in open and closed position at 80 PSI
- Drip fit O-rings (1/2"–2")
- Made in Italy
- Sizes 1/2"–4"
- Handle accessories available

PRODUCT SPECIFICATIONS

Standards

- ANSI/NSF 61 and ANSI/NSF 372 (UL certified)
- FM approved; sizes 1/2"–2" only (FM 1140)
- Meets MSS SP-110 standards³
- Designed to meet the performance requirements of IAPMO Z1157

Applications

- Chilled or hot water (32°F–250°F)
- Low-pressure steam (MAX 15 PSI/248°F)
- Hydronic heating or cooling (MAX 35% ethylene or propylene glycol as additive)⁴
- Compressed air (MAX 200 PSI/140°F)



2-1/2"–4" XLC Ends



1/2"–2" only

ACCESSORIES/OPTIONS



Locking Handle Kit
(1/2"–2")



Stem Extension Kit
(1/2"–4")



Tee Handle Kit
(1/4"–1")



Memory Stop Kit
(1/2"–2")



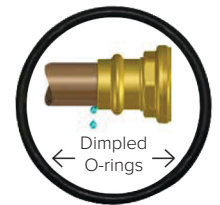
Stainless Handle
(1/2"–2")



Oval Handle Kit
(1/2"–2")

Drip Fit O-rings

The drip fit O-rings (1/2"–2") ensure that an unpressed end will drip. This is an added safety feature to ensure unpressed ends are discovered and corrected.



Notes:

- ¹Low-Lead compliance refers to laws defining "Lead Free" as wetted surface of pipe, fittings, and fixtures in potable water systems that have a weighted average lead content ≤ 0.25% per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011, as well as other state regulations.
- ²Sizes 2-1/2"–4" use threaded-in, O-ring sealed XLC press end adapters.
- ³The current specification MSS SP-110 does not address press end connections; other than this exception, the valve meets the design criteria of the specification.
- ⁴See IOM for additional installation and application information or contact your local FNW representative.
- **Warning: XLC valves (2-1/2"–4") should only be used with copper pipe or appropriate copper fittings per ASTM B88 standards. Do not use on brass fittings of any type.**
- **Warning: Not for use at or below ground level**

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FIGURE X432
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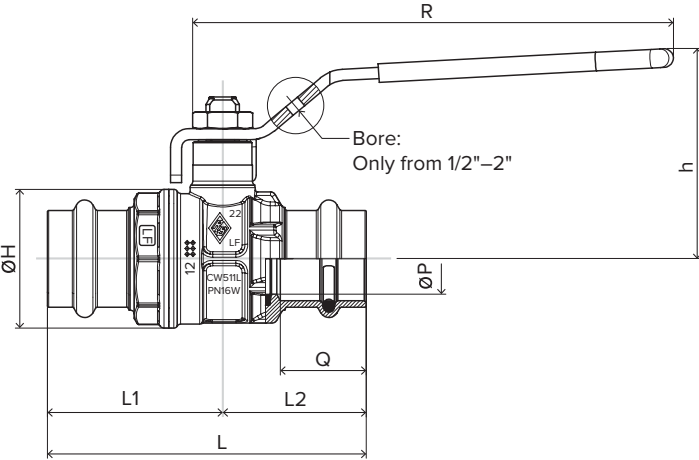
FIGURE NUMBER MATRIX

FNW X432			
END CONFIGURATION (IN.)	SIZE CODE (IN.)		
1/2–2 = Blank	1/2 = D	1-1/4 = H	2-1/2 = L
2-1/2–4 = AXLC	3/4 = F	1-1/2 = J	3 = M
	1 = G	2 = K	4 = P

ACCESSORY KIT CODES

FNW 420	
PRODUCT TYPE	SIZE CODE (IN.)
Locking Lever = LHK	1/2 = BD
Stem Extension = SE	3/4–1 = FG
Tee Handle = THK	1-1/4–1-1/2 = HJ
Oval Handle = OHK	2 = K
Memory Stop = MSK	2-1/2–4 = LM
Stainless Handle = SSK	

Note:
Figure X432 uses the same accessories as the 420.
Since the 4" valve is standard port, the accessories for the 2-1/2" and 3" valves also fit the 4" size.
Locking Handle Kit (LHK) is only compatible with sizes 1/2"–2".
LHK is not compatible with sizes 2-1/2"–4".



REFERENCE CHART

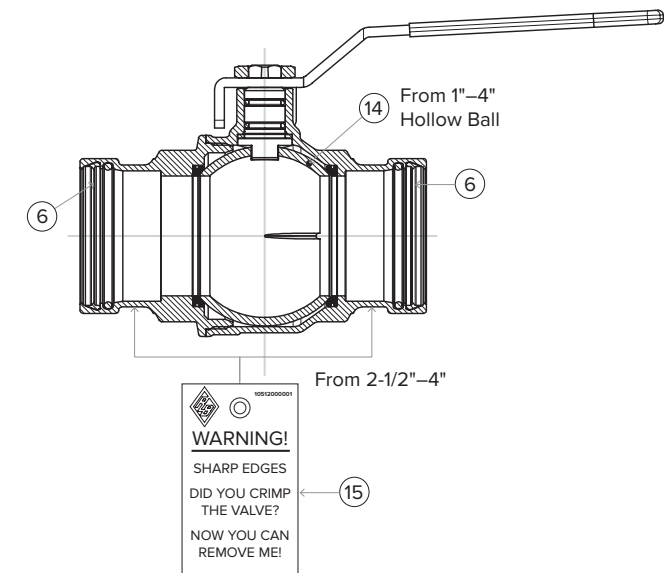
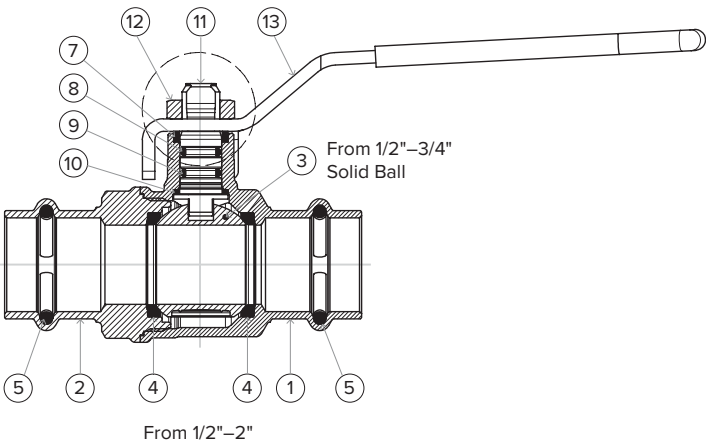
Size (in.)	Dimensions (in.)								CV	Wt (lbs)
	ØP	Q	ØH	L	L1	L2	h	R		
1/2	0.55	0.71	1.22	2.93	1.62	1.31	1.77	3.78	18.2	0.44
3/4	0.75	0.91	1.46	3.37	1.85	1.52	2.22	4.76	32.4	0.72
1	0.94	0.94	1.76	3.81	2.11	1.70	2.32	4.76	47.9	0.99
1-1/4	1.19	1.02	2.11	4.17	2.24	1.93	2.85	5.94	97.8	1.55
1-1/2	1.50	1.42	2.64	5.23	2.78	2.45	3.09	5.94	252.6	2.51
2	1.95	1.57	3.39	6.27	3.29	2.98	3.70	6.30	290.8	4.19
2-1/2	2.44	1.65	4.09	7.05	3.76	3.29	4.57	8.07	593.1	7.16
3	2.99	1.91	4.96	8.27	4.45	3.82	4.98	8.07	958	10.76
4	2.99	2.42	5.28	8.94	4.53	4.41	4.98	8.07	958	14.68

FIGURE X432
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PARTS DIAGRAM



PART MATERIALS & QUANTITY

Ref #	Description	Material	Qty
1	Body	Brass C27453	1
2	End Connection	Brass C27453	1
3	Ball	Brass CW 510L	1
4	Seat	PTFE	2
5	O-ring	EPDM	2
6	Compression Ring	Steel	2
7	Packing Ring	PTFE	2
8	O-ring	FKM	1
9	O-ring	NBR	1
10	Thrust Washer	PTFE	1
11	Stem	Brass CW 510L	1
12	Nut	Steel CL 04	1
13	Handle	Steel DD11	1
14	Ball	Brass CW 510L	1
15	Tag	Paper	2

