

SPECIFICATIONS

FIGURE X450 FORGED BRONZE BALL VALVES



LOW-LEAD COMPLIANT 2-PC FULL PORT 600 WOG

FEATURES

- Two trims available:
 - Fig. X450: Brass CW 510L chrome-plated ball and brass CW 510L stem
 - Fig. X450SS: 316 stainless steel ball and stem
- RPTFE seats available with stainless steel trim option
- Forged bronze body and end cap
- Specially formulated dezincification-resistant silicone bronze
- 600 WOG
- 400 PSI maximum for FM-approved applications
- 150 WSP
- Full port
- 100% electronically tested in open and closed position at 80 PSI
- Blowout-proof stem
- Dual O-ring stem seal
- Adjustable packing



PRODUCT SPECIFICATIONS

Standards

- NSF/ANSI 61 and NSF/ANSI 372 (UL certified)
- Meets MSS SP-110 standards
- FM and CSA approved (1/2"–2")
- Threaded NPT ends (ANSI B1.20.1)

GAS APPROVALS

- CSA Class 3371-08, ANSI Z21.15/CSA9.1, 1/2 PSIG, -40°–149°F
- CSA Class 3371-10, CGA 3.16, 125 PSIG, -40°–49°F
- CSA Class 3371-12, CR91-002, 2 & 5 PSIG, -40°–149°F
- CSA Class 3371-88, ANSI Z21.15/CSA9.1, 1/2 PSIG, -40°–149°F
- CSA Class 3371-90, ASME B16.33/B16.38, 125 PSIG, -40°–149°F
- CSA Class 3371-92, ASME B16.44, 5 PSIG, -40°–149°F

ACCESSORIES (SOLD SEPARATELY)

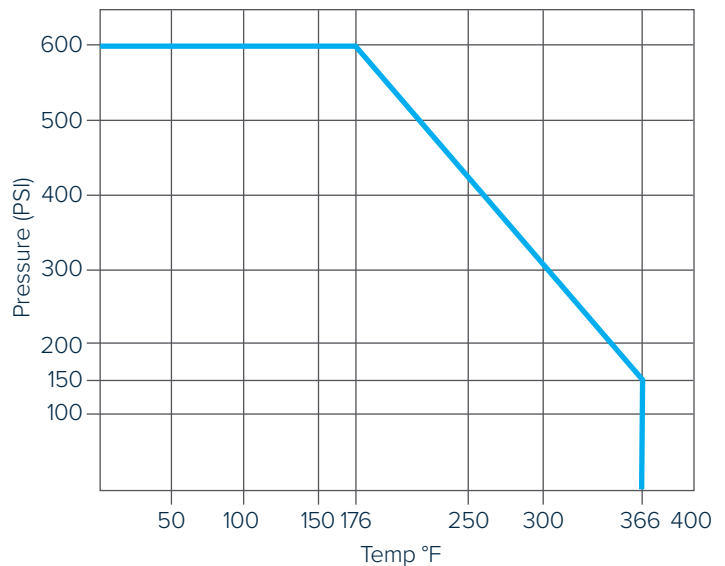
- Lock Lever Kit (1/2"–2")
- Stem Extension Kit (1/2"–2")
- Tee Handle Kit (1/2"–1")
- Oval Handle Kit (1/2"–2")
- Memory Stop Kit (1/2"–2")
- Stainless Handle (1/2"–2")

KIT CODES

FNW 420	
PRODUCT TYPE	SIZE CODE (IN.)
Locking Handle = LHK	1/4–1/2 = 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	
Stainless Handle = SSHK	

FIGURE NUMBER MATRIX

FNW X450			
TRIM CODE	SIZE CODE (IN.)		
Standard Trim = Blank	1/2 = D	1-1/4 = H	
316 Stainless Steel = SS	3/4 = F	1-1/2 = J	
	1 = G	2 = K	



Note: Figure X450 uses the same accessories as Figure 420.
Note: The Locking Handle Kit (LHK) and Stem Extension (SE) cannot be used in congruence on Figure X450.
Warning: Not for direct buried service.
Warning: Do not use more than one type of thread sealant. (See IOM for information)

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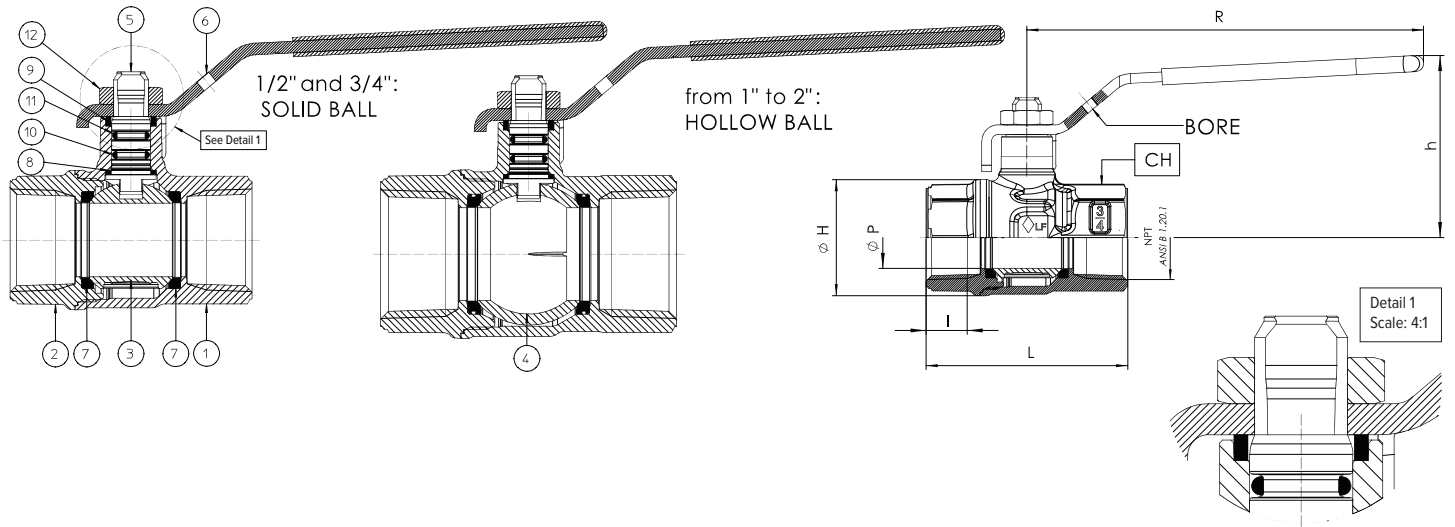
FIGURE X450

FORGED BRONZE BALL VALVES



LOW-LEAD COMPLIANT 2-PC FULL PORT 600 WOG

PARTS DIAGRAM



DIMENSIONS (INCHES)

Size	ø P	I	L	ø H	CH	R	h	PSI
1/2	0.55	0.54	2.22	1.18	0.98	3.78	1.77	600
3/4	0.75	0.55	2.46	1.42	1.22	4.84	2.22	600
1	0.94	0.66	3.01	1.71	1.50	4.84	2.32	600
1-1/4	1.19	0.68	3.37	2.09	1.89	5.94	2.85	600
1-1/2	1.50	0.68	3.70	2.56	2.13	5.94	3.09	600
2	1.95	0.70	4.33	3.39	2.64	6.30	3.70	600

CV & WEIGHTS

Size (in.)	Cv	FNW X450 Wt. (lbs)	FNW X450SS Wt. (lbs)
1/2	19	0.41	0.41
3/4	34	0.69	0.69
1	45	0.99	1.05
1-1/4	75	1.70	1.83
1-1/2	180	2.29	2.59
2	210	3.92	4.83

PART MATERIALS & QUANTITY

Ref #	Description	FNW X450 Material	FNW X450SS Material	Qty
1	Body	Bronze	Bronze	1
2	End Connection	Bronze	Bronze	1
3	Solid Ball 1/2" and 3/4"	Brass CW 510L (chrome-plated)	316 SS	1
4	Hollow Ball 1"-2"	Brass CW 510L (chrome-plated)	316 SS	1
5	Stem	Brass CW 510L	316 SS	1
6	Handle	Steel DD11	Steel DD11	1
7	Ball Seat	PTFE	RPTFE	2
8	Thrust Washer	PTFE	PTFE	1
9	Packing Ring	PTFE	PTFE	1
10	O-ring	NBR	NBR	1
11	O-ring	FKM	FKM	1
12	Nut	Steel CL 04	Steel CL 04	1