

# SPECIFICATIONS

## FIGURE X415 BRASS BODY BALL VALVES



### LOW LEAD COMPLIANT 2-PC FULL PORT\* 600 WOG

#### FEATURES

- 600 WOG non-shock
- 400 PSI maximum for FM-approved applications
- 150 WSP
- Full port\*
- NSF 61 Annex G certified (UL) (Annex G references NSF 372)
- Threaded NPT ends (ANSI B1.20.1)
- Forged brass body and endcap
- 100% electronically tested in open and closed position at 80 psi
- Meets MSS SP-110 standards
- FM & CSA approved (1/2"-2")
- Blow-out proof stem
- Dual O-ring non-adjustable packing\*\*
- Accessories (sold separately)
  - Lock lever kit (1/4"-4")
  - Stem extension kit (1/4"-4")
  - Tee handle kit (1/4"-1")
  - Oval handle kit (1/4"-2")
  - Memory stop kit (1/4"-2")
  - Stainless handle (1/4"-2")

\* 4" Valve is standard port  
\*\* 1/4" and 3/8" utilize one O-ring, one packing ring and adjustable packing nut

NOT RECOMMENDED FOR BURIED SERVICE

Low Lead Compliant: Referring to laws defining "Lead Free" as wetted surface of pipe, fittings and fixtures in potable water systems that have a weighted average lead content  $\leq 0.25\%$  per the Safe Drinking Water Act (Sec. 1417) amended 1-4-2011 as well as other state regulations.

#### Gas Approvals

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

2-1/2"-4" not CSA approved



#### ACCESSORIES/OPTIONS



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## FIGURE X415

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#### CV & WEIGHTS

Size (in.)	CV	Wt (lbs)
1/4	6	0.34
3/8	7	0.30
1/2	19	0.40
3/4	34	0.70
1	45	0.97
1-1/4	75	1.63
1-1/2	180	2.17
2	210	3.83
2-1/2	400	6.69
3	650	9.88
4	650	12.51

#### FIGURE NUMBER MATRIX

FNW X415	
SIZE CODE (IN.)	
1/4 = B	1-1/2 = J
3/8 = C	2 = K
1/2 = D	2-1/2 = L
3/4 = F	3 = M
1 = G	4 = P
1-1/4 = H	

#### KIT CODES

FNW 420	
KIT TYPE	SIZE (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	*2-1/2-4 = LM
Stainless Handle = SSHK	

Note: Figure X415 uses the same accessories as Figure 420. Since the 4" valve is standard port, the accessories for the 2-1/2", 3" valves also fit the 4" size.

#### REFERENCE CHART

Item #	Size (in.)	Dimensions (in.)							Wt
		ØP	I	L	ØH	CH	R	h	
FNWX415B	1/4	0.39	0.39	2.03	0.91	0.79	3.78	1.67	0.34
FNWX415C	3/8	0.39	0.41	2.03	0.91	0.79	3.78	1.67	0.31
FNWX415D	1/2	0.55	0.54	2.22	1.22	0.98	3.78	1.77	0.41
FNWX415F	3/4	0.75	0.55	2.46	1.46	1.22	4.76	2.22	0.69
FNWX415G	1	0.94	0.66	3.01	1.76	1.50	4.76	2.32	0.95
FNWX415H	1-1/4	1.19	0.68	3.37	2.11	1.89	5.94	2.85	1.62
FNWX415J	1-1/2	1.50	0.68	3.70	2.64	2.13	5.94	3.09	2.14
FNWX415K	2	1.95	0.70	4.33	3.39	2.64	6.30	3.70	3.79
FNWX415L	2-1/2	2.44	0.93	5.16	4.09	3.27	8.07	4.59	6.63
FNWX415M	3	2.99	1.02	5.94	4.96	3.86	8.07	4.98	9.76
FNWX415P	4	2.99	1.09	6.50	5.28	4.92	8.07	4.98	12.55

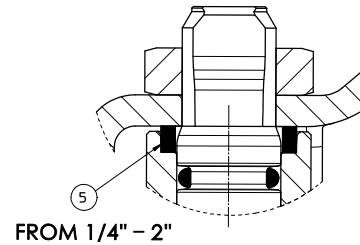
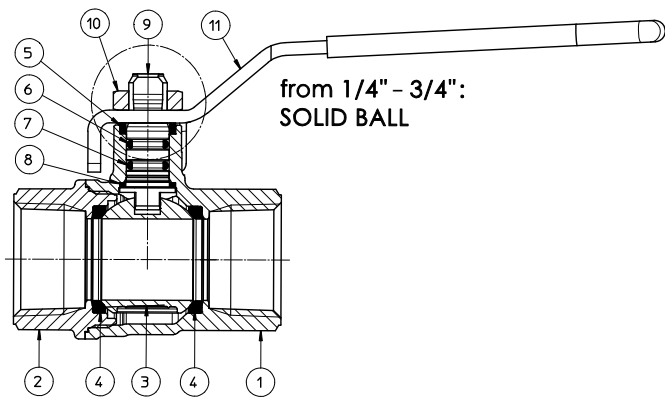
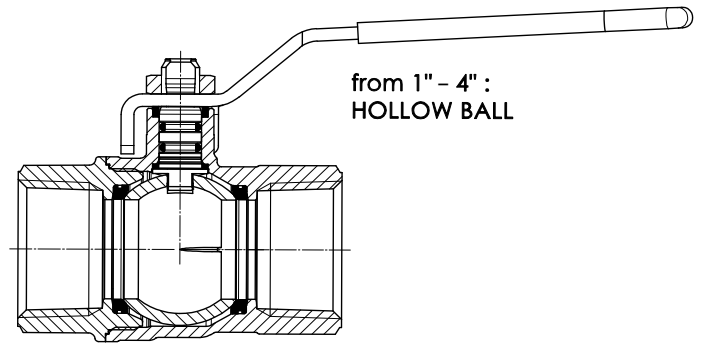
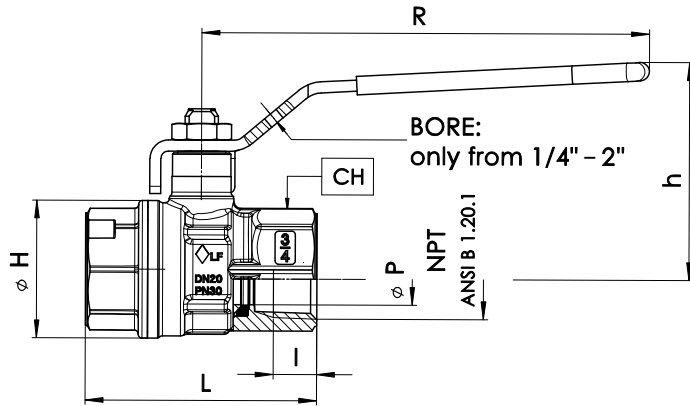
PARTS BREAKDOWN

**FIGURE X415**  
BRASS BODY BALL VALVES



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PARTS DIAGRAM



PART MATERIALS & QUANTITY

Ref #	Description	Material	Qty
1	Body	Brass CW 510L	1
2	End Conn	Brass CW 510L	1
3	Ball	Brass CW 510L	1
4	Seat	PTFE	2
5	Packing Ring	PTFE	1
6	O-Ring	FKM	1
7	O-Ring	NBR	1
8	Thrust Washer	PTFE	1
9	Stem	Brass CW 510L	1
10	Nut	Steel CL 04	1
11	Handle	Steel DD11	1

