

SPECIFICATIONS

FIGURE 420

BRASS BODY BALL VALVES

FNW®

2-PC FULL PORT 600 WOG

FEATURES

- 600 WOG
- 150 WSP
- Full port
- 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")
- Blowout-proof stem
- Adjustable packing
- Optional configuration:
 - Locking handle FNW420LL (1/4"–2")
- Optional accessories:
 - 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")

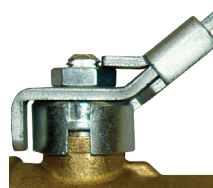
NOT FOR USE AT OR BELOW GROUND LEVEL.

Gas Approvals

- CSA Class 3371-10, CGA 3.16, 125 PSIG, -40°F–149°F (1/4"–4")
- CSA Class 3371-88, ANSI Z21.15/CSA9.1, 1/2 PSIG, 32°F–188.6°F (1/2"–4")
- CSA Class 3371-90, ASME B16.33/b16.38, 125 PSIG, -40°F–149°F (1/4"–4")
- CSA Class 3371-92, ASME B16.44, 5 PSIG, -40°F–149°F (1/2"–2")
- CSA Class 3371-94, ASME B16.33, 125 PSIG, -40°F–149°F (1/2"–4")
- CSA Class 3371-97, UL-125, 250 PSIG, -40°F–130°F (1/4"–3/8")
- UL Class YRPV, ANSI/UL-842, 250 PSIG, -20°F–125°F (1/4"–4")
- UL Class YSDT, ANSI/UL-125, 250 PSIG, -40°F–130°F (1/4"–4")



ACCESSORIES/OPTIONS



Locking Handle Kit



Tee Handle Kit



Stem Extension Kit



Memory Stop



Oval Handle Kit



Stainless Steel Handle

ADDITIONAL OPTIONAL CONFIGURATION (FNW420LL)



With Locking Lever (1/4"–2")

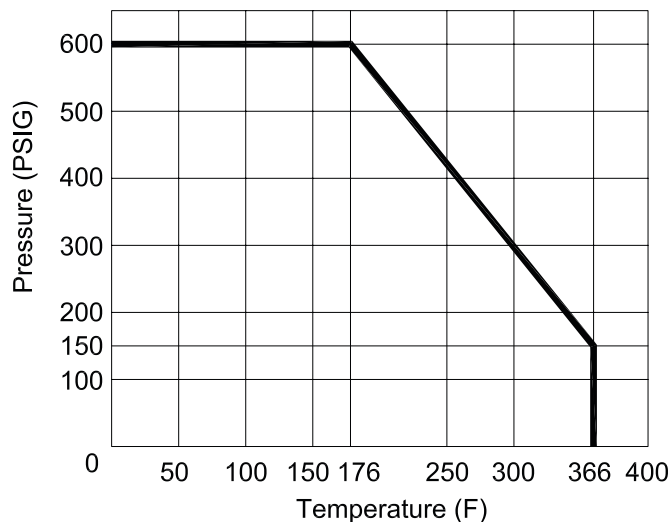
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FIGURE 420

BRASS BODY BALL VALVES



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REFERENCE CHART

Size (in.)	Dimensions (in.)				
	ØP	E	L	H	H2
1/4	0.39	3.78	2.02	1.65	1.83
3/8	0.39	3.78	2.02	1.65	1.83
1/2	0.59	3.78	2.44	1.81	1.99
3/4	0.78	4.76	2.71	2.28	2.48
1	0.98	4.76	3.07	2.44	2.64
1-1/4	1.25	5.94	3.42	3.00	3.15
1-1/2	1.57	5.94	3.89	3.23	3.38
2	1.94	6.30	4.33	3.74	3.74
2-1/2	2.56	8.11	5.59	4.84	—
3	3.15	8.11	6.45	5.23	—
4	3.94	10.27	7.60	6.49	—

FIGURE NUMBER MATRIX

FNW 420		
CONFIGURATION	SIZE CODE (IN.)	
Standard Handle = Blank	1/4 = B	1-1/2 = J
Locking Handle = LL	3/8 = C	2 = K
(1/4"–2")	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 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	2-1/2–4 = LM
Stainless Handle = SSHK	4 = P

CV & WEIGHTS

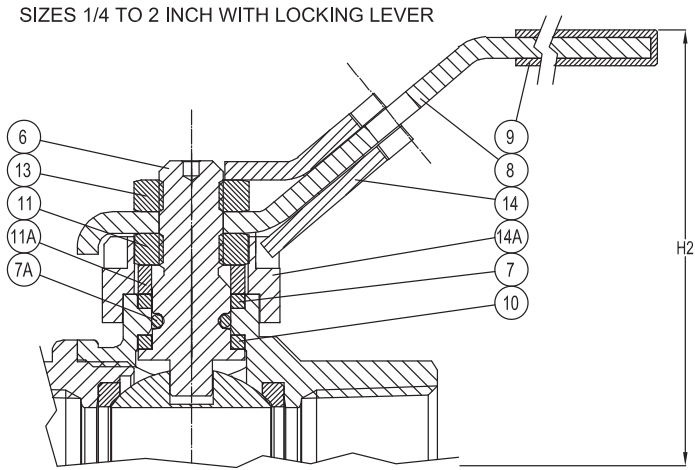
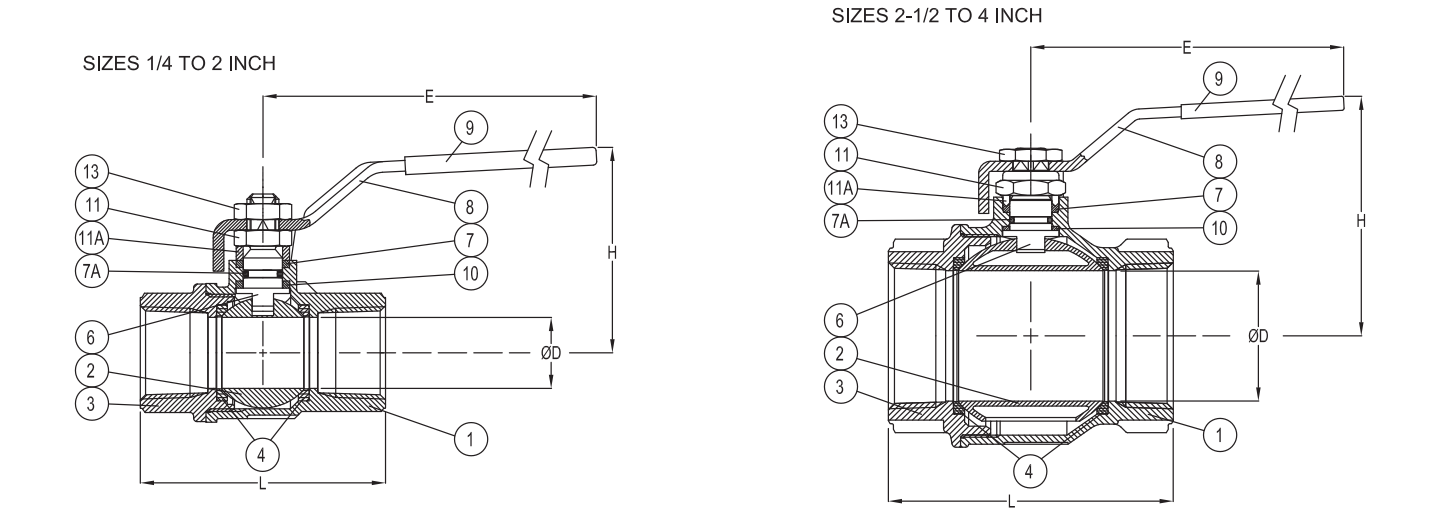
Size (in.)	Cv	Wt (lbs)
1/4	6	0.3
3/8	7	0.3
1/2	19	0.5
3/4	34	0.7
1	50	1.1
1-1/4	104	2.0
1-1/2	268	3.1
2	309	4.2
2-1/2	629	8.0
3	1018	12.9
4	1622	22.0

FIGURE 420
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PARTS DIAGRAM



PART MATERIALS & QUANTITY

Ref #	Description	Material	Qty
1	Body	Brass CW 617N UNI EN 12165	1
2	Ball	Brass CW 617N UNI EN 12165 (Nickel-Chrome Plated)	1
3	End Cap	Brass CW 617N UNI EN 12165	1
4	Seat	PTFE	2
6	Stem	Brass CW 614N UNI EN 12164	1
7	Stem Packing	PTFE	1
7A	Stem O-Ring	NBR 75 Shore A	1
8	Handle	Fe P 11 UNI 5867	1
9	Handle Cover	Vinyl	1
10	Thrust Washer	PTFE	1
11	Gland Nut	Zinc-Plated Steel 6S	1
11A	Packing Gland	Brass CW 614N UNI EN 12164	1
13	Handle Nut	Zinc-Plated Steel 6S	1
14	Locking Pad	Fe P 11 UNI EN 10111	1
14A	Bushing	ZAMA G Zn A14 UNI EN1774	1