

Class 125 • Threaded Bonnet • Rising Stem • Threaded Ends

Figure 428
Size Range:

1/4" through 3"

Working Pressures Non-Shock:

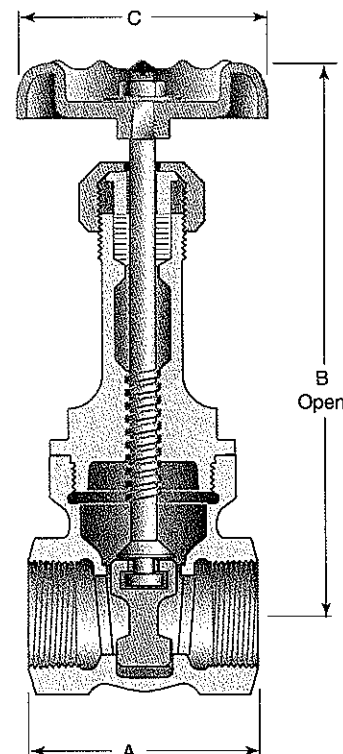
125 psi Steam, Basic Rating

200 psi Cold Working Pressure

Features

- Rising Stem
- Screwed Bonnet
- Solid Wedge Disc
- Back Seat
- Full Ports
- Integral Bronze Seat
- MSS SP-80, Type 2

For more detailed features, refer to page 18.


SHOP DRAWING REVIEW

THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF MEETING THE REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO RESPONSIBILITY IS ASSIGNED FOR CORRECTIONS OF DIMENSIONS OR DETAILS.

<input checked="" type="checkbox"/> NO COMMENT	Submission No. <u>16</u>
<input type="checkbox"/> SEE COMMENTS	Project No. <u>078107</u>
<input type="checkbox"/> AMEND & RESUBMIT	By <u>CS</u>
<input type="checkbox"/> REJECTED	Date <u>may 21/10</u>

DILLON CONSULTING LIMITED

Principal Parts & Materials

Part	Size	Material	ASTM
Body & bonnet	All	Bronze	B62 alloy C83600
Disc	All	Bronze	B62 alloy C83600
Stem	1/4"-2"	Bronze	B505 alloy C83600
Stem	2 1/2"-3"	Bronze	B371 alloy C69400

Dimensions and Weights

Inches (millimeters) - pounds (kilograms)

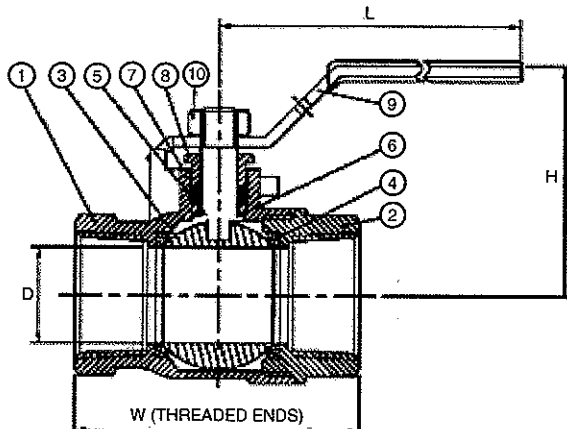
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3
	(6)	(10)	(15)	(20)	(25)	(32)	(40)	(50)	(65)	(80)
A	1.65 (42)	1.65 (42)	2.04 (52)	2.15 (55)	2.47 (63)	2.77 (70)	2.85 (72)	3.25 (83)	4.24 (108)	4.61 (117)
B	4.92 (125)	4.92 (125)	5.07 (129)	6.24 (158)	7.43 (189)	8.58 (218)	9.67 (246)	11.81 (300)	14.77 (375)	16.63 (422)
C	2.13 (54)	2.13 (54)	2.57 (65)	2.57 (65)	2.75 (70)	3.08 (78)	3.64 (92)	3.65 (93)	5.24 (133)	5.24 (133)
WTS.	0.05 (0.22)	0.05 (0.22)	0.09 (0.41)	1.40 (0.61)	2.00 (0.91)	3.10 (1.41)	4.20 (1.91)	6.70 (3.02)	12.60 (5.69)	19.00 (8.60)

CRANE

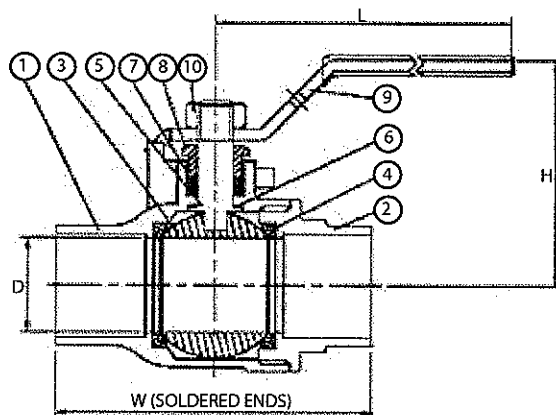
9200 SERIES

600 CWP/150 SWP • FULL PORT FORGED BRASS BALL
MEETS MSS SP-110

9201-UL / 9202-UL



9201-UL



9202-UL

FORGED BRASS 2-PIECE BALL VALVES

Materials of Construction

Item	Parts	Qty.	Specification
1	Body	1	Forged Brass ASTM C37700 (1/4" - 3")
			Cast Brass ASTM C85700 (4")
2	End Cap	1	Forged Brass ASTM C37700 (1/4" - 3")
			Cast Brass ASTM C85700 (4")
3	Ball	1	Brass - Chrome Plated
4	Seats	2	PTFE
5	Stem	1	Brass ASTM B16
6	Thrust Washer	1	PTFE
7	Packing	1	PTFE
8	Gland	1	Brass ASTM B16
9	Handle	1	Carbon Steel Plated
10	Nut	1	Carbon Steel Plated

Optional Handle - Locking Lever (LL)



MH15973
Listed
2L73



(1/4" - 2" only)



Approvals:

UL Approved

- YSDT (LP-Gas Shut-off valves)
- YRBX (Flammable Liquid Shut-off valves)
- MHKZ (Manual Valves)

CSA Approved

- CLASS 3371 94 - Manually Operated Metallic For Use in Piping Sys-

tems

Certified to US Stds.

- CLASS 3371 92 - Manually Operated Metallic For Use in House Piping Systems - Certified to US Standards
- CLASS 3371 88 - General Use - Certified to US Standards
- CLASS 3371 81 - Appliance Connector - Certified to US Standards
- CLASS 3371 12 - Manually Operated For Use on Piping
- CLASS 3371 10 - Lever Operated Non-Lubricated Shut-off
- CLASS 3371 08 - General Use
- CLASS 3371 01 - Appliance Connector
- CLASS 3371 10, Class 3371 90

Dimensions and Weights

Size		Threaded W		Soldered W		D		H		L		Threaded Weight		Soldered weight	
in	mm	in	mm	in	mm	in	mm	in	mm	in	mm	lbs	kgs	lbs	kgs
1/4"	8	1.81	46	-	-	0.37	9.5	1.34	34	3.23	82	.31	.14		
3/8"	10	1.81	46	-	-	0.37	9.5	1.34	34	3.23	82	.31	.14		
1/2"	15	2.13	54	1.93	49	0.50	12.7	1.42	36	3.23	82	.42	.19		
3/4"	20	2.41	61.2	2.72	69.1	0.75	19	1.77	44.9	3.94	100	.70	.32		
1"	25	2.95	75	3.28	83.4	1.00	25	2.27	57.6	4.72	120	1.17	.53		
1 1/4"	32	3.28	83.2	3.73	94.7	1.25	31	2.43	61.6	4.72	120	1.60	.73		
1 1/2"	40	3.66	93	4.26	108.1	1.50	38	2.94	74.8	7.09	160	2.73	1.24		
2"	50	4.21	107	5.33	135.3	2.00	50	3.28	83.4	7.09	160	4.47	2.03		
*2 1/2"	65	5.38	136.6	6.28	159.6	2.50	63.5	4.68	119	8.66	220	8.08	3.67		
*3"	80	6.06	154	7.17	182	3.00	76.2	5.02	127.5	8.66	220	10.55	4.78		
*4"	100	7.38	187.4	9.28	235.6	4.00	101	5.79	147	9.84	250	18.20	8.26		

* 400 CWP maximum rating

SHOP DRAWING REVIEW

THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR OF HIS OBLIGATION TO COMPLY WITH ALL REQUIREMENTS OF THE CONTRACT DOCUMENTS. NO LIABILITY IS ASSUMED FOR CORRECTIVE WORK.

68	NO COMMENT
112	NO COMMENTS
131	NO COMMENT & RESUBMIT
222	NO COMMENT

Submitted By: **17**
Project No: **07 0107**
By: **AS**
Date: **May 21/10**

DILLON CONSULTING LIMITED

Figure 7TF

Bronze Globe Valve

CRANE®

Class 150 • Union Bonnet • PTFE Disc • Threaded Ends

Features

- PTFE Disc
- Threaded Ends
- Valves 2" and smaller have union bonnet. Disc holder retains disc and slips on the stem. Sizes 2 ½" and 3" have bolted bonnet; disc holder is fastened by a disc stem ring.
- Back Seat
- Integral Bronze Seat
- MSS SP-80, Type 2

For more detailed features, refer to page 35.

Figure 7TF

Size Range:

¼" through 3"

Working Pressures Non-Shock:

150 psi Steam, Basic Rating

300 psi Cold Working Pressure

SHOP DRAWING REVIEW

THIS DRAWING HAS BEEN REVIEWED FOR GENERAL CONFORMANCE WITH THE DESIGN CONCEPT ONLY. SUCH REVIEW SHALL NOT RELIEVE THE CONTRACTOR OF HIS RESPONSIBILITY FOR ERRORS OR OMISSIONS OR FOR THE REQUIREMENTS OF THE CONTRACT. THE CONTRACTOR'S RESPONSIBILITY IS ASSUMED FOR CORRECTIONS AND DETAILS.

<input checked="" type="checkbox"/> NO COMMENTS	Submitted by 18
<input type="checkbox"/> SEE COMMENTS	Project No. 078107
<input type="checkbox"/> AMEND & RESUBMIT	By 99
<input type="checkbox"/> REJECTED	Date May 21/10

DILLON CONSULTING LIMITED

Principal Parts & Materials

Part	Sizes	Material	ASTM
Body	All	Bronze	B62 alloy C83600
Bonnet	¼" - ¾"	Brass	B16 H02
Bonnet	½" - 3"	Bronze	B62 alloy C83600
Disc Holder	¼" - ½"	Brass	B16 H02
Disc Holder	¾" - 3"	Bronze	B62 alloy C83600
Stem	All	Bronze	B371 alloy C69400
Disc	All	PTFE	—

Dimensions and Weights

Inches (millimeters) - pounds (kilograms)

	¼ (6)	⅜ (10)	½ (15)	¾ (20)	1 (25)	1 ¼ (32)	1 ½ (40)	2 (50)	2 ½ (65)	3 (80)
A	1.96 (50)	1.96 (50)	2.58 (66)	2.96 (75)	3.52 (89)	4.03 (102)	4.57 (116)	5.72 (145)	7.27 (185)	8.60 (218)
B	4.25 (108)	4.19 (106)	4.11 (104)	5.16 (131)	5.55 (141)	6.52 (166)	7.34 (186)	7.51 (191)	8.68 (220)	9.75 (248)
C	2.13 (54)	2.13 (54)	2.25 (57)	2.96 (75)	3.03 (77)	3.69 (94)	4.61 (117)	5.24 (133)	6.97 (177)	7.00 (178)
WTS.	0.80 (0.36)	0.80 (0.36)	1.30 (0.59)	2.20 (1.00)	3.20 (1.45)	4.90 (2.22)	7.20 (3.24)	11.50 (5.22)	24.90 (11.29)	40.60 (18.42)