

8311A/8313A

3/8"-2"

**BRONZE BALL VALVE
TWO-PIECE, FULL-PORT
600 PSIG WOG / 150 PSIG SWP (1)
SOLDER ENDS**

MSS SP-110

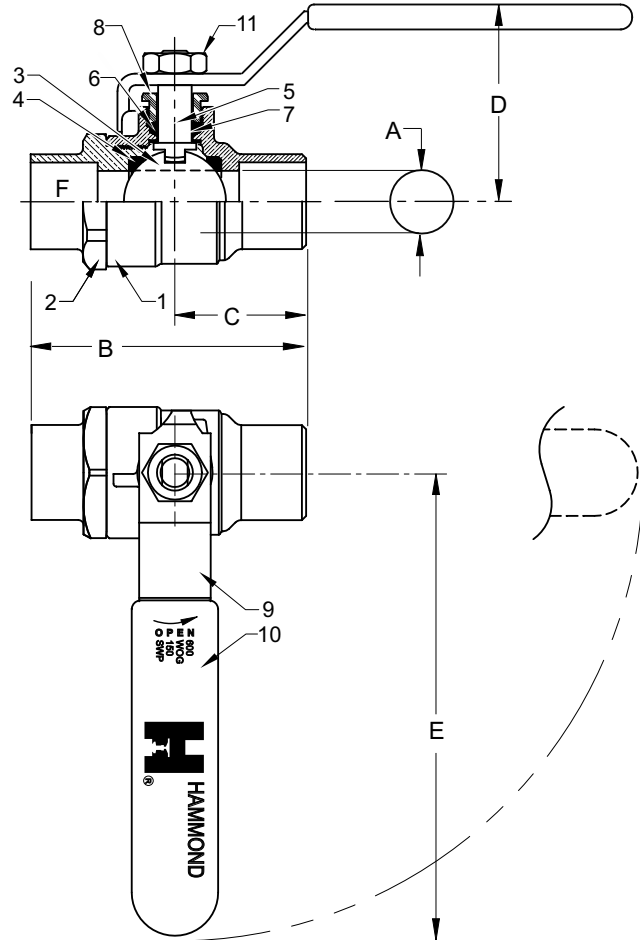
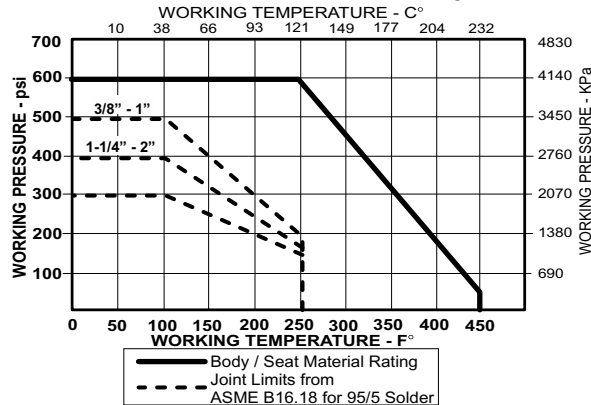
MATERIALS LIST

ITEM	PART	MATERIALS	ASTM SPEC.
1	Body	Cast Bronze	B584
2	Tailpiece	Brass, Forged	B283
		Cast Bronze (1 1/4" and up)	B584
3	Ball	Brass w/ Hard Chrome Plating	B283
		316 Stainless Steel (2)	A276
4	Seat	RPTFE, 15% Glass Filled	
		Multi-Fil (1)	
5	Stem	Brass	B16
		316 Stainless Steel (2)	A276
6	Thrust Washer	RPTFE, 25% Glass Filled	
7	Packing	PTFE	
8	Packing Nut	Brass	B16
9	Handle	Steel w/ Zinc Plating	Commercial
10	Hand Grip	Vinyl	
11	Handle Nut	Steel w/ Zinc Plating	Commercial

- (1) For steam service, specify stainless steel trim and multi-fil seats. Maximum steam pressure 150.
(2) Ball and Stem are stainless for 8313A.

PRESSURE - TEMPERATURE DATA

VALVES RATED FOR VACUUM SERVICE TO 29 INCHES Hg.



DIMENSIONS

	UNITS	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
		DN10	DN15	DN20	DM25	DM32	DN40	DN50
A(DIA)	INCHES	0.38	0.50	0.76	1.00	1.26	1.50	2.01
	mm	9.3	12.3	19.3	25.2	32.0	38.1	51.1
B	INCHES	2.05	2.39	3.17	3.75	5.00	6.00	6.75
	mm	52.0	58.6	80.5	95.3	127.0	152.4	171.5
C	INCHES	.91	1.07	1.50	1.79	2.49	3.00	3.37
	mm	23.1	27.2	38.1	45.5	63.3	76.2	85.6
D	INCHES	1.80	1.87	2.19	2.67	2.82	2.99	3.51
	mm	44.1	46.3	55.6	67.8	71.6	75.9	89.2
E	INCHES	3.80	3.80	4.56	6.31	6.31	6.31	7.19
	mm	96.5	96.5	115.8	160.3	160.3	160.3	182.6
F	TUBE							
	SIZE Ø	.51	.63	.88	1.13	1.38	1.63	2.13
Cv		7	15	35	60	110	185	360

Note: DN (Diameter Nominal) = Metric equivalent size.

Rev. 4

The information presented on this sheet is correct at the time of publication. Hammond Valve reserves the right to change design, and/or material specifications without notice. For the Installation, Operation and Maintenance Manual (IOM) see the engineering section on our website. For the most current information access www.hammondvalve.com