

8301A/8303A

1/4"-2"

MSS SP-110

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

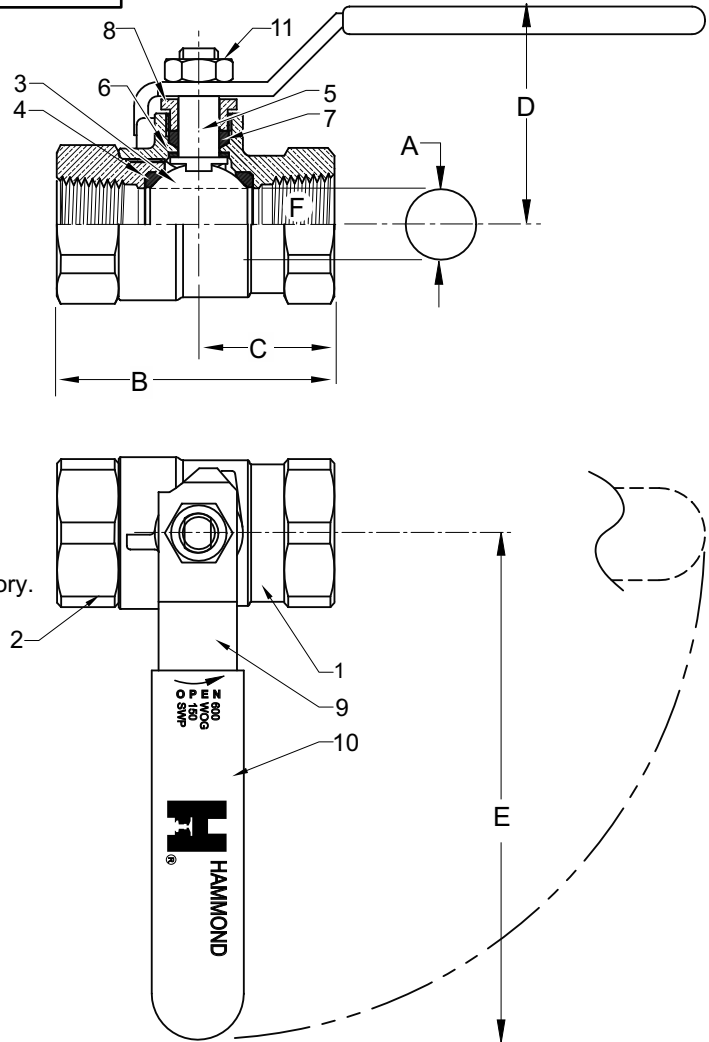
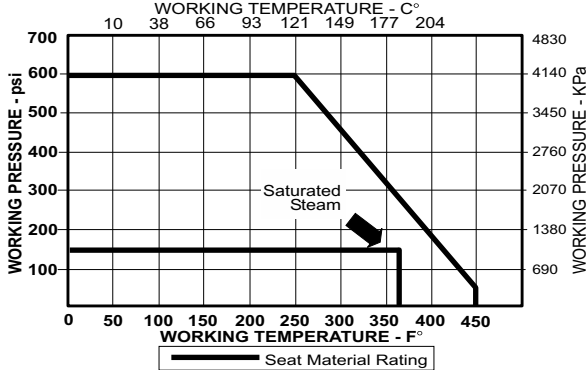
MATERIALS LIST

ITEM	PART	MATERIALS	ASTM SPEC.
1	Body	Cast Bronze	B584
2	Tailpiece	Brass (3)	B283
		Cast Bronze (1 1/4" and up)	B584
3	Ball	Brass w/ Hard Chrome Plating	B283
		316 Stainless Steel (2)	B276
4	Seat	RPTFE, 15% Glass Filled Multi-Fil (1)	
5	Stem	Brass	B16
		316 Stainless Steel (2)	B276
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 8303A.
- (3) All Bronze construction available. Please consult factory.

PRESSURE - TEMPERATURE DATA

VALVES RATED FOR VACUUM SERVICE TO 29 INCHES Hg.



DIMENSIONS

	UNITS	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
		DN6	DN10	DN15	DN20	DM25	DM32	DN40	DN50
A(DIA)	INCHES	0.38	0.38	0.50	.76	.99	1.26	1.50	2.01
	mm	9.3	9.3	12.3	19.3	25.1	32.0	38.1	51.1
B	INCHES	1.86	1.86	2.19	2.59	3.32	3.77	4.28	5.10
	mm	45.6	45.6	53.7	65.8	84.3	95.8	108.7	129.5
C	INCHES	1.00	1.00	1.10	1.30	1.59	1.81	2.06	2.37
	mm	24.5	24.5	27.0	33.0	40.4	46.0	52.3	60.2
D	INCHES	1.78	1.81	1.91	2.32	2.68	2.82	3.00	3.36
	mm	43.6	44.3	46.8	58.9	68.1	71.6	76.2	85.3
E	INCHES	3.82	3.82	3.82	4.55	6.33	6.33	6.33	7.19
	mm	93.6	93.6	93.6	115.6	160.8	160.8	160.8	182.6
F	THREAD	1/4" NPT	3/8" NPT	1/2" NPT	3/4" NPT	1" NPT	1-1/4" NPT	1-1/2" NPT	2" NPT
	SIZE								
Cv		7	7	13	30	61	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

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