



UPBA450/450S* 1/2"-2"



WQA tested and Certified
against NSF/ANSI 372
for "lead free" compliance.

Dimensions and workmanship conform to MSS SP-110

Bronze Ball Valve For Potable Water
Two-Piece • Full-Port
Blow Out Proof Stem
600 PSIG WOG
Solder Ends

MATERIAL LIST

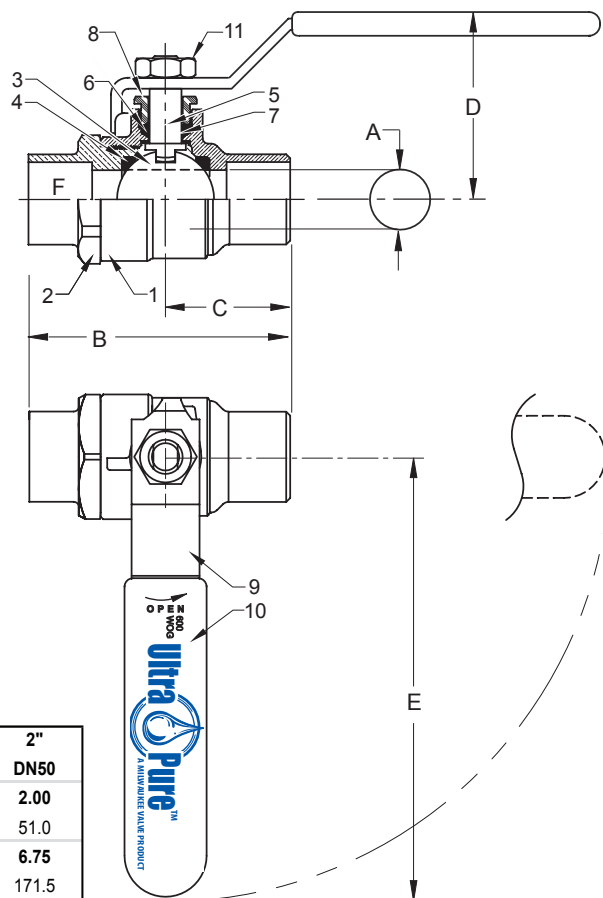
ITEM	PART	MATERIALS	ASTM SPEC.
1	Body	Cast Bronze	B584 C89833
2	Tailpiece	Cast Bronze	B584 C89833
3	Ball	Brass w/Hard Chrome Plating	B283 C27450
		316 Stainless Steel (1)	A276 S31600
4	Seat	RPTFE, 15% Glass Filled	
5	Stem	Brass (2" only)	B21 C46400
		Bronze	B584 C89833
		316 Stainless Steel (1)	A276 S31600
6	Thrust Washer	RPTFE, 25% Glass Filled	
7	Packing	PTFE	
8	Packing Nut	Brass	B16 C36000
9	Handle	Steel w/ Zinc Plating	B633
10	Handle Grip	Vinyl	
11	Handle Nut	Steel w/ Zinc Plating	B633

(1) Ball and stem are stainless for UPBA450S

DIMENSIONS

	UNITS	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"
A(DIA)	INCHES	0.50	0.76	1.06	1.31	1.56	2.00
	mm	12.7	19.3	26.9	32.1	39.6	51.0
B	INCHES	2.39	3.17	3.75	5.00	6.00	6.75
	mm	58.6	80.5	95.3	127.0	152.4	171.5
C	INCHES	1.07	1.50	1.79	2.49	3.00	3.37
	mm	27.2	38.1	45.5	63.3	76.2	85.6
D	INCHES	1.87	2.19	2.67	2.82	2.99	3.51
	mm	46.3	55.6	67.8	71.6	75.9	89.2
E	INCHES	3.80	4.56	6.31	6.31	6.31	7.19
	mm	96.5	115.8	160.3	160.3	160.3	182.6
F	TUBE SIZE Ø	.63	.88	1.13	1.38	1.63	2.13
Cv		15	35	60	110	185	360

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



*Same design as Hammond UP8311A/8313A

Milwaukee Valve Company
16550 W. Stratton Drive
New Berlin, WI 53151
Phone: 262-432-2700
Fax: 262-432-2701

Note: Lead free refers to the wetted surface of the pipe, fittings and fixtures in potable water systems that have a weighted average lead content $\leq 0.25\%$. Source: California Health and Safety Code (116875).

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

