BA-450/450S* %"-2"

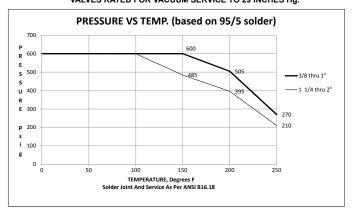
Bronze Ball Valve
Two Piece
Full Port
600 WOG
Solder Ends
Blow-Out Proof Stem
MSS SP-110

MATERIALS LIST

ITEM	PART	MATERIALS	ASTM SPEC.	
1	Body	Cast Bronze	B584	
2	Tailniana	Brass	B283	
	Tailpiece	Cast Bronze (1 1/4" & up)	B584	
3	Ball	Brass w/Hard Chrome Plating	B16	
	Dall	316 Stainless Steel (1)	A276	
4	Seat	RPTFE, 15% Glass Filled		
5	Ctom	Brass	B16	
	Stem	316 Stainless Steel (1)	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	Commercial	
11	Handle Nut	Steel w/Zinc Plating	Commercial	

⁽¹⁾ Ball and stem are stainless for BA450S.

PRESSURE - TEMPERATURE DATA VALVES RATED FOR VACUUM SERVICE TO 29 INCHES Hg.



*Not intended for use in potable water.

DIMENSIONS

	UNITS	3/8" DN10	1/2" DN15	3/4" DN20	1" DN25	1-1/4" DN32	1-1/2" DN40	2" DN50
A (DIA)	INCHES	0.38	0.50	0.76	1.06	1.31	1.56	2.00
	mm	10	13	19	27	32	40	51
В	INCHES	2.05	2.39	3.17	3.75	5.00	6.00	6.75
	mm	52	61	81	95	127	152	172
С	INCHES	0.91	1.07	1.50	1.79	2.49	3.00	3.37
	mm	23	27	38	46	63	76	86
D	INCHES	1.80	1.87	2.19	2.67	2.82	2.99	3.51
	mm	44	46	56	68	72	76	89
Е	INCHES	3.80	3.80	4.56	6.31	6.31	6.31	7.19
	mm	97	97	116	160	160	160	183
F	TUBE Sizeø	0.51	0.63	0.88	1.13	1.38	1.63	2.13
Cv		7	15	35	60	110	185	360

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

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Locking

Extension

OPTIONS

TIH THE INSULATOR/MS® Extension Handle

The **THE INSULATOR/MS**® extension handle is designed to prevent condensation and other extraneous

moisture from entering the insulated piping system, while also minimizing thermal energy loss from the system via metal extension tubes, levers, and similar parts.

The design incorporates a unique memory stop feature that requires no disassembly or removal of the handle to engage and make adjustments.



The –XLD extended locking handle is made of robust plated steel and provides additional safety benefits for the user. The handle can be locked in both the open and closed positions. Extension length provides for handle clearance above standard piping insulation thicknesses.

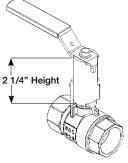


The "SH" handle option adds a 316 stainless steel handle and nut to a standard bronze ball valve. This option is intended for harsh environments like areas subject to salt water spray, high humidity, harsh cleaning chemicals, etc.



Tee

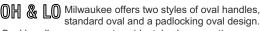
Tee handles offer the same installation space savings as oval handles, with a slightly shorter end to end dimension. Tee handles require more handle force to operate, so accidental openings can be reduced.



2 1/4" Height

Extension Handle with Memory Stop

The "XM" stem extension is all-metallic with an adjustable memory stop. This option is designed for installations where pipe insulation would make standard handles inoperable. The adjustable memory stop allows the valve opening to be limited to a preset position. This option can be ordered with or without the memory stop.



Oval handles can prevent accidental valve operations, since they have less projection than a lever handle, and require more turning force to operate. OSHA requires the use of oval handles in many installations for safety reasons. The locking handle design will accommodate a standard 5/16" pad-lock or other types of valve lockouts.

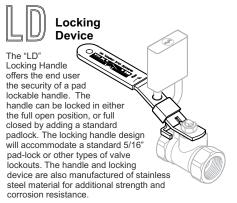








and effective design. This option is designed for installations where pipe insulation would make standard handles inoperable. The external plastic shield helps to keep the insulation away from the stem extension, providing years of trouble free operation.



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