

Butterball VALVE

BB2 SERIES

1/4"-2" 175 PSI (1207kPa)

THREADED END ONLY

WW-V-1967

THREADED END - FIG# BB2-100
SOLDER END - FIG# BB2-350



RATINGS

- 175 psig WOG
- CSA (AGA/CGA) & UL Ratings⁽¹⁾(*)
- Vacuum to 29"

¹(Except 1/4" & 3/8" Threaded end)

FEATURES

- Full Port Design
- Full Flow, High Cv
- One Piece Bronze Body*
- Stainless Steel stem and disc
- Viton Seal
- Excellent throttling characteristics⁽³⁾
- Requires no system pressure to seal
- 30°F to 275°F Temperature Range

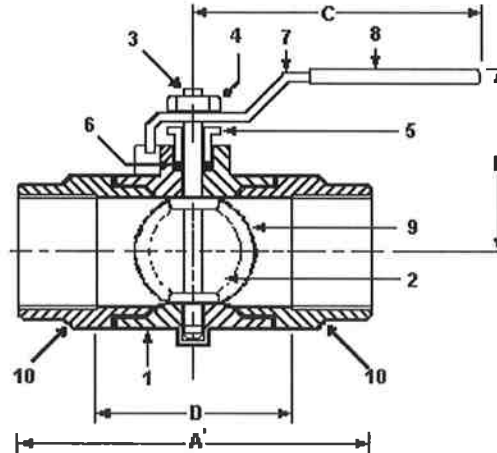
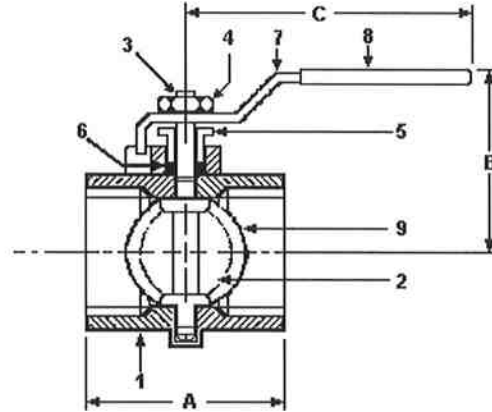
APPLICATIONS

- Natural Gas Shut-off*
(1/2" psi and 5 psi)
- LP Gas Shut-off*
- Gas and Air Systems
- Fuel Oil (Types 1-6)*
- Oil Systems*
- Liquid Service including water⁽²⁾
- Throttling, Balancing & Shut-off⁽³⁾
- Vacuum Service

* Applies to BB2-100 Series Threaded End only

⁽²⁾ Do not use on hot water over 120° F

⁽³⁾ Do not throttle or leave in the near closed position as seal damage may result.



MATERIALS

ITEM	PART	MATERIALS	ASTM SPEC.
1	Body	Bronze	ASTM-B584
2	Disk	Stainless Steel	Type 304
3	Stem	Stainless Steel	Type 303
4	Hex Nut	Stainless Steel	Type 302
5	Gland	Rod Bronze	CA-360
6	Packing	Nylon	
7	Handle	Steel w/ Zinc Plating	
8	Flat Grip	Vinyl	
9	Disc Seat	Viton	
10	Tailpiece	Bronze	ASTM-B584

DIMENSIONS

UNITS	1/4"	3/8"	1/2"	3/4"	1"	1-1/4"	1-1/2"	2"	
	DN6	DN10	DN15	DN20	DN25	DN32	DN40	DN50	
A	INCHES 2.25	2.38	1.88	2.00	2.13	2.63	2.88	3.25	
	mm 57.2	60.3	47.6	50.8	54.0	66.7	73.0	82.6	
A ¹	INCHES NA	2.38	2.50	3.13	3.63	4.38	4.88	5.63	
	mm	60.3	63.5	79.4	92.1	111.1	123.8	142.9	
B	INCHES 1.50	1.50	1.50	1.56	1.75	2.19	2.31	3.63	
	mm 38.1	38.1	38.1	39.6	44.5	55.63	58.7	92.2	
C	INCHES 3.50	3.50	3.50	3.50	3.50	5.00	5.00	5.00	
	mm 88.9	88.9	88.9	88.9	88.9	127	127	127	
D	INCHES NA	1.63	1.50	1.63	1.81	2.44	2.69	2.94	
	mm	41.4	38.1	41.4	46.0	62.0	68.3	74.7	
Cv			10	13	25	43	85	112	180
Torque	in/lb	18	18	18	22	35	50	70	120
Weight	BB2-100	0.6	0.6	0.5	0.7	0.8	1.0	1.5	3.0
	(lbs) BB2-350	NA	0.5	0.5	0.6	1.0	1.6	2.0	3.7

Rev. 2

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 engineering section on our website. For the most current information access www.milwaukeevalve.com



M L 2 3 4 V A

VALVE SERIES	BODY STYLE	OPERATOR	BODY MATERIAL	DISC MATERIAL	LINER MATERIAL	SPECIAL OPTIONS
C - C SERIES	1 - LUG BODY	1 - VALVE ONLY	2 - CAST IRON*	2 - NICKEL PLATED DUCTILE IRON	B - BUNA-N	S - 316 STEM W/AB OR NP DISC
H - H SERIES (250 psi)	2 - WAFER BODY	2 - LEVER HANDLE	3 - DUCTILE IRON	3 - ALUMINUM/BRONZE	E - EPDM	A - EPOXY COATED BODY
M - M SERIES		3 - GEAR OPERATOR		4 - CF8M(316) STAINLESS STEEL	H - HYPALON	AD - ASSEMBLE DRY
O - O SERIES		5 - GEAR W/MEMORY STOP		7 - NYLON COATED DUCTILE IRON	NB - FDA BLACK NEOPRENE	LF - LOW FRICTION (Consult Factory)
U - U SERIES (60 psi)		9 - GEAR W/LOCKOUT		8 - EPOXY COATED DUCTILE IRON	NW - FDA WHITE NEOPRENE	
		N - BURIED SERVICE GEAR OPERATION W/2" SQUARE NUT			T - TEFLON (BUNA SUBSTITUTE) (AVAILABLE W/SS DISC AND STEM ONLY)	

C-SERIES IS AVAILABLE ONLY IN CAST IRON WAFER OR LUG BODY WITH ALBRZ DISC, EODM LINER, LEVER OR GEAR OPERATOR.