

BRASS BALL VALVE

SPECIFICATION

SCREWED BODY CAP · FULL BORE
BLOW-OUT PROOF STEM · PTFE SEAT
THREADED TO BS 21 (ISO 7) / ASME B1.20.1
SIZE RANGE : 8mm (1/4") ~ 100mm (4")

PRESSURE / TEMPERATURE RATINGS

Working Pressure	600 psi (41.3 bar) WOG Non-Shock 150 psi (10.3 bar) Saturated Steam
Testing Pressure	Shell : 900 psi (62 bar) Hydrostatic Seat : 660 psi (45.5 bar) Hydrostatic 80 psi (5.5 bar) Air
Suitable Media	Water & Oil

MATERIALS

Part	Material	ASTM	EN
Body	Brass	B124 C37700	12165 CW617N
Cap	Brass	B124 C37700	12165 CW617N
Ball	Brass	B124 C37700	12165 CW617N
Seal	PTFE		
Stem	Brass Rod	B124 C37700	12165 CW617N
O-Ring	NBR		

Nickel plated body available upon request.

DIMENSIONS

Size		L		H		D	
mm	inch	mm	inch	mm	inch	mm	Inch
8	1/4	46	1.8	46	1.8	72	2.8
10	3/8	46	1.8	46	1.8	72	2.8
15	1/2	48.5	1.9	48	1.9	97	3.8
20	3/4	55	2.2	52.5	2.1	97	3.8
25	1	64.5	2.5	58	2.3	104	4.1
32	1-1/4	93	3.7	73	2.8	134	5.3
40	1-1/2	100	3.9	78	3	134	5.3
50	2	100	3.9	90	3.5	150	5.9
65	2-1/2	120	4.7	100	3.9	225	8.9
80	3	136	5.4	110	4.3	225	8.9
100	4	156	6.1	127	5	225	8.9

Note:

1. If used for gas application, please consult our sales office.
2. Design and specifications are subject to change without prior notice.

Caution on Brass Products:

Corrosion (corrosion cracking or dezincification) may occur on Brass material. The risk of stress corrosion cracking is considered high in the case of great tension (stress on screw part generated from pipe side) coupled with application in a corrosive environment (an environment where chemical such as Ammonia, Nitric Acid, etc is present. Ammonia might be contained in glass wool, etc. used in heat insulator).

To prevent stress corrosion cracking problem, careful and proper installation of pipe and valve is necessary – avoid excessive fastening or screw of pipe tensile stress on valve. Use of Bronze valve instead of Brass valve for underground application or application in corrosive environment is recommended.

BBV

Type 600

