

PN32 Bronze Globe Valve

Crane Bronze globe valves are highly efficient for throttling because seat and disk designs provide flow characteristics with proportionate relationships between valve lift and flow rate.

Materials

Part	Material	Size
1 Body	Bronze BSEN1982 CC491K	All
2 Bonnet	Bronze BSEN1982 CC491K	All
3 Stem	Brass BS EN 12163 CW721R	1/4 - 2
3 Stem	Bronze BSEN1982 CC491K	2.1/2 & 3
4 Disc	P.T.F.E. - 25% Glass Filled	All
5 Disc Holder	Bronze BSEN1982 CC491K	1.1/4 - 3
5 Disc Holder	Brass BSEN12164 CW617N	1/4 - 1
6 Union Ring	Bronze BSEN1982 CC491K	1/4, 3/8, 1/2 & 2
6 Union Ring	Brass BSEN12164 CW617N	3/4 - 1.1/2
7 Packing	Asbestos Free	All
8 Packing Gland	Brass BSEN12164 CW614N	All
9 Packing Nut	Brass BSEN12164 CW614N	1/4 - 1.1/2
9 Packing Nut	Bronze BSEN1982 CC491K	2 - 3
10 Washer	Brass BSEN12164 CW614N	1/4 - 2
11 Disc Retaining Nut	Brass BSEN12164 CW614N	1/4 - 2
11 Disc Retaining Nut	Bronze BSEN1982 CC491K	2.1/2 & 3
12 Handwheel	Aluminium	1/4 - 2
12 Handwheel	Malleable Iron BS EN 1562 GJMB-300-6	2.1/2 & 3
13 Handwheel Nut	Brass BSEN12164 CW614N	All
14 ID. Plate	Aluminium	All
15 Disc Stem Ring	Brass BS EN 12163 CW721R	1/4 - 2
15 Disc Stem Ring	Bronze BSEN1982 CC491K	2.1/2 & 3
16 Bonnet Stud	Steel BS970 070M20	2.1/2 & 3
17 Bonnet Stud Nut	Steel BS4190 Gr.4	2.1/2 & 3
18 Gasket	Asbestos Free	2.1/2 & 3



Dimensions and Weights

Size	Weight (kg)	A (mm)	B (mm)	C (mm)
1/4"	0.5	52	100	52
3/8"	0.49	52	100	52
1/2"	0.73	62	101	52
3/4"	1.09	74	115	52
1"	1.74	90	125	70
1.1/4"	2.44	100	150	70
1.1/2"	3.32	115	159	92
2"	5.54	136	191	103
2.1/2"	10.9	184	278	152
3"	16.4	210	308	178

Specification

Valves are manufactured in accordance with BS5154 PN32 for Series B ratings. Design incorporates a disk holder with on sizes 1/4" to 2" slips on to stem, and on sizes 2.1/2" and 3" is retained by a threaded ring.

Sizes 1/4" to 3" BS21 versions BSI Kitemarked.

Body seat is integral of the semi-crown type. Sizes 1/4" to 2" have union bonnet and sizes 2.1/2" and 3" have a bolted bonnet.

Valves having ANSI threads also generally conform to MSS SP-80.

This valve is not suitable for use on group 1 gasses or unstable fluids, as defined by the Pressure Equipment Directive 97/23/EC.

Temperature operating range: -10 to 198 degrees celsius.

Pressure Rating: PN32

UK End Connection: BS21 Taper

US End Connection: ANSI B1.20;1

Operating Instructions:

Handwheel Operated

Available Options:

P150 locking device.

Dimensional Drawing

