



Bronze Globe Valves Threaded BS 21 or ANSI B1.20.1

CRANE

PN32*
BS 5154 SERIES A

D14

* Sizes 2 ½ and 3 only are rated PN25

METAL DISK
SCREWED-IN BONNET

PRESSURE/TEMPERATURE RATINGS

Temperature (C°)	-10 to 120	150	170	180	200	220	250	260	
Pressure (bar)	Sizes ¼ to 2	32.0	31.4	29.3	27.5	23.0	19.6	15.5	14.0
	Sizes 2 ½ & 3	25.0	25.0	25.0	25.0	21.2	17.5	12.2	10.5

TESTING

Each valve individually tested to BS 5154 (see page 19)

SPECIFICATION

D14 Sizes ¼ to 3 – Threaded BS 21 (ISO 7) taper.

Valves are manufactured in accordance with BS 5154 Series A, PN32 for sizes ¼ TO 2 and PN25 for sizes 2 ½ and 3. Design incorporates a bronze 35° wide angle disk retained on stem by a threaded ring; body seat is integral of the narrow contact angled type.

Valves detailed on this page are also suitable for use in Class 200 (sizes ¼ to 2) or Class 150 (sizes 2 ½ and 3) imperial systems specifying valves to BS 2060 at the following ratings:

Class 200: 400 lbf/in² CWP; 200 lbf/n² at 500°F.
Class 150: 300 lbf/in² CWP; 150 lbf/in² at 500°F.

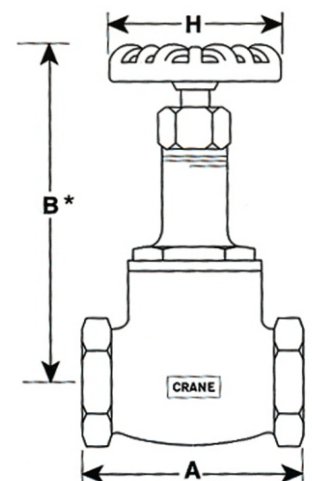
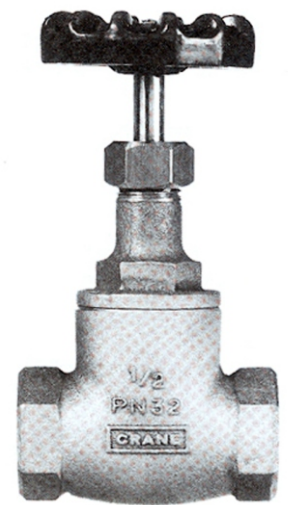
Valves having ANSI threads also generally conform to MSS SP – 80 (see page 13).

MATERIALS

Part	Material	BS	ASTM
Body	No.4 bronze	BS 1400-LG2	B62 – C83600
Bonnet	No. 4 bronze	BS 1400-LG2	B62 – C83600
Disk	No. 4 bronze	BS 1400-LG2	B138 – C67500
Stem - ¼ to 2 - 2 ½ & 3	Mang. bronze	BS 2874 CZ114	B138 – C67500
	No. 9 mang. bronze	BS 1400 HTB1	B584– C86400

DIMENSIONS AND WEIGHTS

Nom. Size	mm A	mm B	mm H	Kg
¼	52	98	52	0.34
⅜	52	98	52	0.35
½	62	100	52	0.45
¾	74	114	52	0.70
1	90	123	70	1.00
1 ¼	100	149	70	1.45
1 ½	115	159	92	2.10
2	136	190	103	3.50
2 ½	166	220	121	6.00
3	190	256	152	10.00



* Valve open

SPECIFICATION ADDITIONS OR VARIATIONS

Ends threaded ANSI B1.20.1, specify Cat. No. D14AT.
Gland packings for special services.

