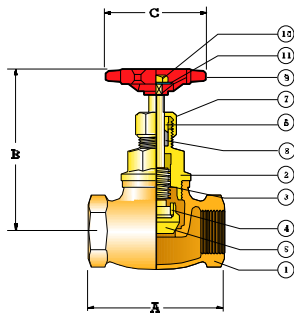


1031/1031N BRONZE GLOBE VALVE RANGE

- BS5154 PN32 Series B.
- Rising stem.
- Integral seat and metal valve.
- High quality lubricated packing.
- Can be re-packed under pressure.
- Available with needle pattern (1031N) for extra fine regulation.
- BS21 Taper Thread.
- ANSI (NPT) American Taper Thread (AT).
- BS2779 Parallel Thread (PT).



MATERIAL SPECIFICATION

No	COMPONENT	MATERIAL
1	Body	Gunmetal
2	Bonnet	Forged Brass (1/4 to 2)
3	Stem	Brass Bar
4	Disk Ring	Brass Bar (1/4 to 3)
5	Disk	Brass Bar (1/4 to 1 1/4)
6	Gland	Brass Bar
7	Gland Nut	Brass Bar (1/4 to 3/4)
8	Packing	Graphited non Asbestos
9	Handwheel	Aluminium (1/4 to 2 1/2)
10	Handwheel Nut	Brass Bar
11	Rating Disc	Aluminium

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	Temperatures up to 100°C	Temperatures up to 198°C	Shell	Seat
1/4 to 4	32.0	14.0	48.0	35.2

Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 389°F	Shell	Seat
1/4 to 4	464.1	203.1	696.2	510.5

RANGE	Sizes										
	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
1031	○	○	○	○	○	○	○	○	○	○	○
1031N	○	○	○	○	○	○	○	○	○	○	○
1031AT	○	○	○	○	○	○	○	○	○	○	○
1031PT	○	○	○	○	○	○	○	○	○	○	○

DIMENSIONS (mm) NOTE Needle pattern valves are not Kitemarked.

A Face to Face	44	46	57	65	78	89	100	121	159	187	235
B Height Open	75	75	100	105	120	140	160	175	205	235	280
C H'wheel Diam.	60	60	70	75	85	95	105	120	155	180	230
WEIGHT kg	0.20	0.22	0.39	0.54	0.84	1.40	1.76	2.65	6.37	8.91	16.71
WEIGHT kg 1031N only	0.18	0.18	0.39								

FLOW RATES* (with valve fully open) Standard Pattern not needle valve

Cv	0.8	1.3	2.3	5.9	11.7	18.7	26.9	49.1	87.6	139.2	222.8
Kv	0.7	1.1	2.0	5.0	10.0	16.0	23.0	42.0	74.9	119.0	190.4
Kv Gas	0.5	0.5	1.3	2.9	4.4	8.9	11.7	21.3	36.4	58.8	91.0

* Cv – flow rate in US GPM at a pressure drop of 1 psi.

* Kv – flow rate in m³ per hour at a pressure drop of 1 bar.

* Kv Gas – flow rate in m³ per hour at a pressure drop of 1 mbar.

SUITABLE FOR

	Steam	Water	Oil	Air	Gases			
					Inert	Combustible†	Corrosive††	Oxygen
	✓	✓	✓	✓	✓	✓	✓	✗

Special test required for air or gases

† The valves are suitable for British Gas Applications Family Gases 1, 2 and 3.

†† Suitable in applications where moisture is completely absent.

VACUUM CONDITIONS

Can be used in a vacuum at 10⁻³ torr.

PRESSURE AND TEMPERATURE RATINGS

