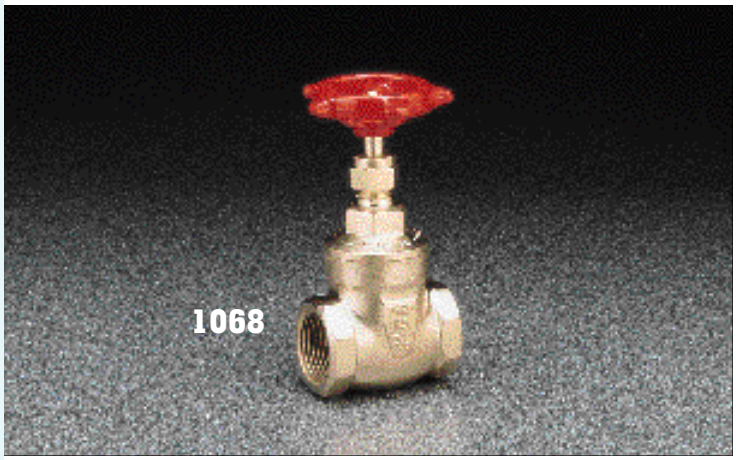
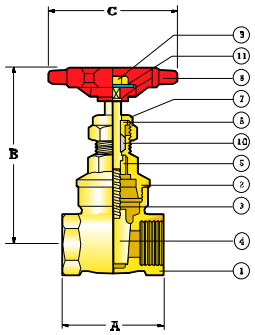
1068 FORGED BRASS FULL BORE GATE VALVE RANGE

- BS5154 PN20 Series B.
- Non-rising Stem.
- Solid Brass Wedge.
- High quality lubricated packing.
- Can be re-packed under pressure.
- BS21 Taper Thread.
- ANSI (NPT) American Taper Thread (AT).
- BS2779 Parallel Thread (PT).
- Lockshield pattern (LS).



¼ to 3



MATERIAL SPECIFICATION

No	COMPONENT	MATERIAL
1	Body	Forged Brass (¼ to 2)
		Gravity Die Cast Brass (2½ to 4)
2	Bonnet	Forged Brass (¼ to 3)
		Gravity Die Cast Brass (4)
3	Stem	Brass Bar
4	Wedge	Forged Brass (¼ to 2½)
		Gravity Die Cast Brass (3 and 4)
5	Stem Ring	Brass Bar
6	Gland	Brass Bar
7	Gland Nut	Brass Bar (¼ to 1)
		Forged Brass (1¼ to 4)
8	Handwheel	Aluminium
9	Handwheel Nut	Brass Bar
10	Gland Packing	Graphited non Asbestos
11	Rating Disc	Aluminium
12	Lockshield	Brass Bar

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	Temperatures up to 100°C	Temperatures up to 180°C	Shell	Seat
¼ to 4	20.0	9.0	30.0	22.0

Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 356°F	Shell	Seat
¼ to 4	290.1	130.5	435.1	319.1

ACCESSORIES

Lockshield

RANGE	Sizes										
	¼	⅜	½	¾	1	1¼	1½	2	2½	3	4
1068		O	O	O	O	O	O	O	O	O	O
1068AT	O	O	O	O	O	O	O	O	O	O	O
1068PT	O	O	O	O	O	O	O	O	O	O	O
1068LS			O	O	O	O	O	O			

DIMENSIONS (mm)

A Face to Face	43	43	52	56	65	73	76	90	102	114	134
B Height	85	85	85	95	110	125	145	170	205	240	290
C H'wheel Diam.	60	60	60	60	70	75	95	105	120	155	155
WEIGHT kg	0.22	0.22	0.27	0.37	0.64	0.99	1.28	2.00	3.19	4.63	7.29

FLOW RATES*

Cv	5.5	8.8	16.4	37.4	66.7	105.3	150.9	269.1	500.8	795.6	1273.0
Kv	4.7	7.5	14.0	32.0	57.0	90.0	129.0	230.0	428.0	680.0	1088.0
Kv Gas	3.0	3.4	9.3	18.6	25.3	50.0	65.5	116.6	208.0	336.0	520.0

* Cv – flow rate in US GPM at a pressure drop of 1 psi.
* Kv – flow rate in m^3 per hour at a pressure drop of 1 bar.
* Kv Gas – flow rate in m^3 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