

Forged brass full bore gate valve

Female ends

SIZES

Taper and American (NPT) Taper

Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
ISO7-1Rc (Taper)	202007	202008	202009	202010	202011	202012
ANSI NPT (AT)	202042	202043	202044	202045	202046	202047

DIMENSIONS (mm)

Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A Face to Face	46	50	57	64	68	81
B Height	70	80	95	115	125	155
Weight kg	0.27	0.37	0.58	0.94	1.19	2.09

FLOW RATES (m³/h)

Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
Cv	16.4	37.4	66.7	105.3	150.9	269.10
Kv	14.0	32.0	57.0	90.0	129.0	230.0

*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.

VALVE SUITABILITY

Steam	Water	Oil	Air	Gas Inert	Gas Combustible	Gas Corrosive	Gas Oxygen
✗	✓	✓	✗	✗	✗	✗	✗

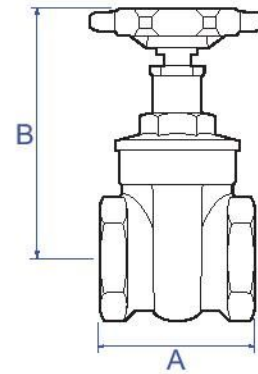
MATERIAL SPECIFICATION

Component	Material
Body	Forged brass
Bonnet	Forged brass
Stem	Brass bar
Wedge	Forged brass
Gland screw	Brass bar
Handwheel	Aluminium
Handwheel nut	Brass Bar
'O' Rings	Nitrile rubber
Rating disc	Aluminium

MAXIMUM PRESSURE CONDITIONS

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	(Cold working) Temperatures up to 25°C	(Hot working) Temperatures up to 93°C	Shell	Seat
1/2" to 2"	17.5	17.5	26.3	19.3
Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 77°F	Temperatures up to 200°F	Shell	Seat
1/2" to 2"	253.8	253.8	381.5	279.5

Temperature range - 10°C + 93°C (non shock)



PRESSURE EQUIPMENT DIRECTIVE CATEGORY

Sizes

1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
SEP	SEP	SEP	SEP	SEP	SEP

PRESSURE & TEMPERATURE RATINGS

