

Bronze full bore gate valve

BS 5154 PN32 series B, female ends

SIZES

Taper Parallel and American (NPT) Taper

Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
IS07-1Rc (Taper)	101103	101104	101105	101106	101107	101108
IS07-1Rp (PT)	101123	101124	101125	101126	101127	101128
ANSI (NPT) AT	101143	101144	101145	101146	101147	101148

DIMENSIONS (mm)

Range	1/2"	3/4"	1"	1 1/4"	1 1/2"	2"
A Face to Face	64	65	75	90	97	105
B Height	100	110	130	145	165	200
Weight kg	0.47	0.69	1.02	1.57	2.44	3.43

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	269.1
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
X	✓	✓	X	X	X	X	X

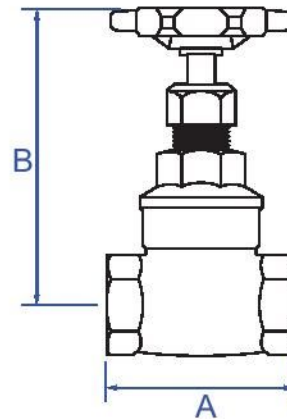
MATERIAL SPECIFICATION

Component	Material
Body	Gunmetal
Bonnet	Gunmetal
Stem	Gunmetal
Wedge	Gunmetal
Stem ring	Gunmetal
Gland	Brass bar
Gland nut	Brass bar
Handwheel	Aluminium
Handwheel nut	Brass bar
Gland packing	PTFE
Rating disc	Aluminium

MAXIMUM PRESSURE CONDITIONS

Size	Maximum Pressure Conditions (bar)		Test Pressures (bar)	
	(Cold working) Temperatures up to 100°C	(Hot working) Temperatures up to 198°C	Shell	Seat
1/2" to 2"	32.0	14.5	48.0	35.2
Size	Maximum Pressure Conditions (psi)		Test Pressures (psi)	
	Temperatures up to 212°F	Temperatures up to 389°F	Shell	Seat
1/2" to 2"	290.1	210.3	696.2	510.5

Temperature range - 10°C + 198°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

