

Bronze full bore gate valve

BS 5154 PN20 series B, female ends

SIZES

Taper / Parallel Thread (PT)

Range	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
IS07-1Rc (Taper)	103007	103008	103009	103010	103011	103012	103013	103014	103015
IS07-1Rp (PT)	103047	103048	103049	103050	103051	103052	103053	103054	
IS07-1Rc (Lockshield)	103057	103058	103059	103060	103061	103062			

DIMENSIONS (mm)

Range	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
A	52	56	65	73	76	90	102	114	134
B	85	95	110	125	145	170	205	240	290
B Lockshield	75	85	100	110	130	155			
Weight kg	0.32	0.46	0.69	1.03	1.40	2.28	3.68	5.42	10.59

FLOW RATES (m³/h)

Range	½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"
Kv	14.0	32.0	57.0	90.0	129.0	230.0	428.0	680.0	1088.0

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
✗	✓	✓	✗	✗	✗	✗	✗

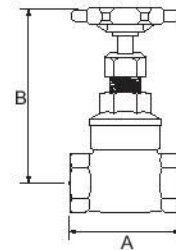
MATERIAL SPECIFICATION

Component	Material
Body	Gunmetal
Bonnet	Forged brass (½" to 3") Gravity die cast brass (4")
Stem	Brass bar
Wedge	Gunmetal
Stem ring	Brass bar
Gland	Brass bar
Gland nut	Brass bar (½" to 1") Forged brass (1½" to 4")
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 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 100°C	Temperatures up to 180°C	Shell	Seat
¼" to 4"	290.1	130.5	435.1	319.1

Temperature range - 10°C + 180°C (non shock)



PRESSURE EQUIPMENT DIRECTIVE CATEGORY

Sizes									
½"	¾"	1"	1¼"	1½"	2"	2½"	3"	4"	4"
SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP	SEP

PRESSURE & TEMPERATURE RATINGS

