

# FULLWAY GATE VALVE BS 5154/B TYPE - PN 20

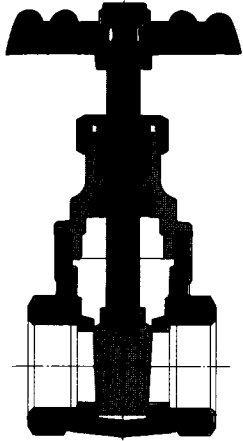


Approved by  
**BRITISH STANDARDS INSTITUTION**  
Licence n° 6254

## SERVICE RECOMMENDATIONS:

The CIM 70/BS gate valves can be used for: heating plants, sanitary systems, plumbing services, waterworks, gasoline networks, pneumatic systems, steam.

Valve sizes 1/2 to 3 are manufactured to BS 5154/B - PN 20. Valve size 1/4, 3/8, 4 is not covered by BS 5154 but construction conforms to BS 5154 as far as applicable.



- |  |               |                   |
|--|---------------|-------------------|
|  | Body          | Forged Brass      |
|  | Bonnet        | Forged Brass      |
|  | Stem          | Brass Bar         |
|  | Wedge         | Forged Brass      |
|  | Stem Ring     | Brass Bar         |
|  | Packing       | NA 1030 Gr.       |
|  | Gland nut     | Brass Bar         |
|  | Gland         | Brass Bar         |
|  | Gland Packing | AF 15/MA          |
|  | Nut           | Self locking type |
|  | Handwheel     | Aluminium alloy   |
|  | Rating disc   | Aluminium         |

## MATERIALS - MAIN FEATURES:

**Screwed bonnet, non rising stem, solid wedge disc.**

**Body, bonnet, wedge:** hot forged brass Cu Zn40 Pb2.

**Stem and metal components:** machined from extruded brass bar Cu Zn40 Pb2.

**Packing:** NA 1030 Gr. (free of asbestos) is suitable to a maximum temperature of 180°C (356°F).

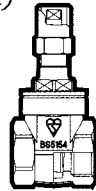
**Gland packing:** AF 15/MA heat resistant fibre, (free of asbestos), elastomers, synthetic resin and P.T.F.E. It is suitable to a maximum temperature of 250°C (482°F).

**Handwheel:** registered "CIM" model in hard duraluminium Al-Si 12, epoxy painted red RAL 3000, showing "on-off".

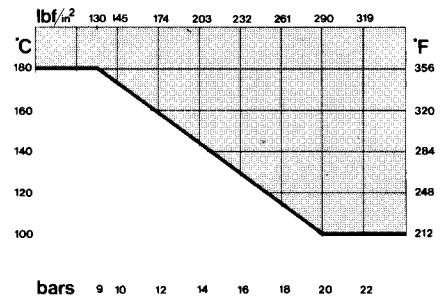
**Hydrostatic test pressures:** Shell 30 bar (435 psi)  
Seat 22 bar (315 psi)

**Threading:** female parallel threads to BS 21 Rp - ISO 7/1° Rp; taper threads to BS 21 Rc - ISO 7/1° Rc; or American NPT threads ANSI B1.20.1 available on request.

**Lockshield:** pattern available in sizes 1/2 to 2.  
CIM 70/BSL.



## PRESSURE/TEMPERATURE RATINGS



**Cold Service:**  
20 bar at -10 to 100°C - 290 lbf/in² at 0 to 212°F

**Saturated Steam:**  
9 bar at 180°C - 131 lbf/in² at 356°F

Nom. size	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	2 1/2	3	4
Ø mm.	12	12	13	19	25	32	39	51	64	77	102
Grms.	190	180	265	390	530	805	1150	1800	3520	5330	8960
A	50	50	55	60	65	75	80	90	120	140	175
B	71	71	79	96	106	122	139	166	210	247	296
C	40	40	44	48	55	61	65	71	92	96	106
D	11	11	12	13	15	16	19	19	23	25	25
CH1	23	23	27	33	40	50	56	69	85	101	132
CH2	20	20	22	25	27	32	42	52	60	80	110
CH3	17	17	19	21	21	25	25	29	33	37	45
d	7	7	8	8	9	10	11	12	16	17	19

