

D151

Bronze Gate Valve Non rising stem



Sizes 1/2"-2" only

PN20

D151



GENERAL VALVES

Features & Benefits

- Crane gate valves offer the ultimate in dependable service wherever minimum pressure drop is important
- The D151 carries the British Standards Institution kitemark - your assurance of exacting quality standards
- WRAS approved for use on wholesome (potable) water in sizes 1/2" – 2" only. WRAS approval temperature 85°C max
- Non-rising stem design to minimise installation height
- Full bore design to ensure minimal pressure drop
- Adjustable gland packing for ease of maintenance
- Body, bonnet and disc are made from low lead content bronze, typically 4-6%

Materials

PART	MATERIAL	SIZES
Body	Bronze BS EN 1982 CC491K	All
Bonnet	Bronze BS EN 1982 CC491K	All
Stem	DZR Brass BS EN 12164 CW602N	1/4 - 3
Stem	Manganese Bronze	4
Disc	Bronze BS EN 1982 CC491K	All
Stem Retainer	DZR Brass BS EN 12164 CW602N	1/2 - 2
Stuffing Box	DZR Brass BS EN 12164 CW602N	1/4, 3/8, 2 1/2 & 3
Stuffing Box	Bronze BS EN 1982 CC491K	4
Packing	Asbestos Free	All
Packing Gland	Brass BS EN 12164 CW614N	1/4, 3/8, 1 - 3
Packing Gland Nut	Brass BS EN 12164 CW614N	1/2 & 3/4
Packing Gland	Bronze BS EN 1982 CC491K	4
Packing Nut	Brass BS EN 12164 CW614N	1/4 - 3
Packing Nut	Bronze BS EN 1982 CC491K	4
Handwheel	Aluminium	1/4 - 3
Handwheel	Malleable Iron BS EN 1562 GJMB-300-6	4
ID Plate	Aluminium	All
Handwheel Nut	Brass BS EN 12164 CW614N	All
Gasket	Asbestos Free	3 - 4

Dimensional Drawing



Dimensions & Weights

SIZE (inch)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)
1/4	0.27	46	75	45
3/8	0.26	46	75	45
1/2	0.269	50	78	52.5
3/4	0.384	54	84	52.5
1	0.593	62	105	65
1 1/4	0.844	71	111	70
1 1/2	1.266	77.5	130	78
2	1.881	87.5	153	92
2 1/2	4.37	96	219	121
3	6.4	105	259	121
4	19.7	162	366	203

Pressure/Temperature Ratings

TEMPERATURE (°C)	-10 to 100	180
PRESSURE (BAR)	20	8

Intermediate pressure ratings shall be determined by interpolation.

PRESSURE RATING: PN20**TEMPERATURE OPERATING RANGE:** -10 to 180°C**UK END CONNECTION:** Taper threaded to BS EN 10226-2 (ISO 7-1) formerly BS 21**US END CONNECTION:** ANSI B1.20.1**OPERATOR:** Handwheel.

Gate valves are best for services that require infrequent valve operation, and where the disc is kept either fully opened or fully closed. They are not practical for throttling.

SPECIFICATION: Solid wedge disc, non-rising stem, screwed in bonnet. Valves are manufactured in accordance with BS EN 12288: 2010 PN20. Series B and are BSI Kitemark approved.

This valve is not suitable for use on Group 1 gases or unstable fluids, as defined by the Pressure Equipment Directive 2014/68/EU.*

* See page 155 for more information

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