

# D151

Bronze Gate Valve  
Non rising stem



Sizes 1/2"-2" only

PN20

D151



GENERAL VALVES

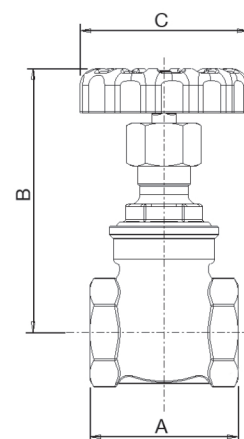
## Features & Benefits

- 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%
- Conforms with BS EN12288:2010 and generally conforms with MSS SP 80.

## 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:** Bronze Gate Valve, Non-Rising Stem, Solid Wedge, Screwed Bonnet, in accordance with BS EN 12288:2010, PN20 rated. Body, Bonnet and disc to Bronze to BS EN 1982 CC491K. DZR Brass Stem to CW602N. PTFE packing ring complete with Brass packing gland and nut design. WRAS approved and BSI Kitemark approved.

**MSS SP80 CONFORMANCE:** D151 meets the essential requirements of the Standard such as pressure temperature rating, functional attributes, material of construction, wall thickness and thread depth. D151.AT complies with end connections as well.

Suitable for use on Group 2 Gas, Group 1 and Group 2 Liquids as defined by Pressure Equipment Directive 2014/68/EU, and Pressure Equipment (Safety) Regulations 2016, as amended.\*  
Not suitable for use on Group 1 Gases or unstable liquids.

\*see Quality Assurance page for more information

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