

## D180 PN32

### Bronze Gate Valve

Crane gate valves offer the ultimate in dependable service wherever minimum pressure drop is important.

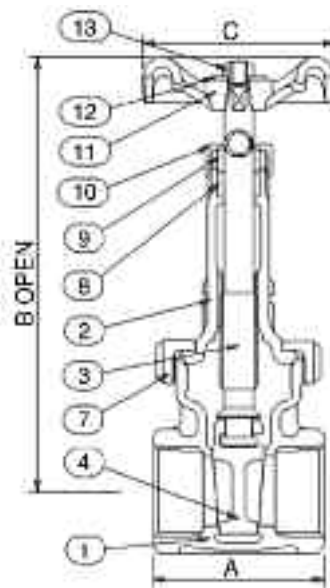
### Materials

PART	MATERIAL	SIZES
Body	Bronze BS EN 1982 CC491K	All
Bonnet	Bronze BS EN 1982 CC491K	All
Stem	Bronze BS EN 1982 CC491K	1/4 - 2
Stem	Bronze BS EN 12164 CW602N	2 1/2 & 3
Disc	Bronze BS EN 1982 CC491K	All
Union Ring	Bronze BS EN 1982 CC491K	1/4 - 2 only
Packing	Asbestos Free	All
Gland	Brass BS EN 12164 CW614N	All
Packing Nut	Brass BS EN 12164 CW614N	1/4 - 2
Packing Nut	Bronze BS EN 1982 CC491K	2 1/2 & 3
Handwheel	Aluminium	1/4 - 2
Handwheel	Malleable Iron BS EN 1562 GJMB-300-6	2 1/2 & 3
ID Plate	Aluminium	All
Handwheel Nut	Brass BS EN 12164 CW614N	All
Stud	Steel BS 970 070M20	2 1/2 & 3" only
Stud Nut	Steel BS 4190 Gr.4	2 1/2 & 3" only
Gasket	Asbestos Free	2 1/2 & 3" only



D180

### Dimensional Drawing



### Dimensions & Weights

SIZE (inch)	WEIGHT (kg)	A (mm)	B (mm)	C (mm)
1/4	0.32	46	126	45
3/8	0.31	46	126	45
1/2	0.46	51	129	52
3/4	0.72	55	159	65
1	1.1	63	189	70
1 1/4	1.5	71	219	78
1 1/2	2.3	73	246	92
2	3.2	83	301	92
2 1/2	5.8	120	369	134
3	8.5	134	416	134

### Pressure/Temperature Ratings

TEMPERATURE (°C)	-10 to 120	260
PRESSURE (BAR)	32	14
Intermediate pressure ratings shall be determined by interpolation.		

**PRESSURE RATING:** PN32

**TEMPERATURE OPERATING RANGE:** -10 to 260°C

**UK END CONNECTION:** Taper threaded to BS EN 10226-2 (ISO 7-1) formerly BS 21

**US END CONNECTION:** ANSI B1.20.1 (please add suffix AT to denote American Thread)

**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:** Valves are manufactured in accordance with BS EN 12288:2010 PN32 for Series A ratings. Rising Stem.

Sizes 1/4" to 2" have a union bonnet; sizes 2 1/2" and 3" have a bolted bonnet. This valve is not suitable for use on group 1 gases or unstable fluids, as defined by the Pressure Equipment Directive 97/23/EC.

**CRANE**

**FLUID SYSTEMS**

NACTON ROAD

IPSWICH

SUFFOLK

IP3 9QH

**DECLARATION OF CONFORMITY**  
The Pressure Equipment Directive 97/23/EC  
The Pressure Equipment Regulations 1999 No. 2001

**Reference No: D180/001**

**Description of Pressure Equipment:**

*Bronze Gate Valves – 8, 10, 15, 20, 25, 32, 40, 50, 65 and 80mm – Rated PN32*

**Service Limitations:**

*For use on Group 2 Gases and Group 1 & 2 Liquids*

**Conformity Assessment Procedure Followed:**

8 – 32mm	Article 3 Para 3 (Sound Engineering Practice)
40 & 50mm	Module A
65 & 80mm	Module E1

**Name and Address of the Notified Body monitoring the Manufacturers Quality System:**

British Standards Institution  
Maylands Avenue  
Hemel Hempstead  
Hertfordshire  
HP2 4SQ

**References to Harmonised Standards used**

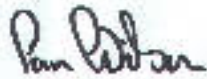
*BS EN 1982 (CC491K) 1999*

**References to other Technical Standards and Specifications used**

*BS21 1985                      ANSI B1.20.1 1983                      BS6755 Part 1 1986*

*BS5154 1985*

**Authorised on behalf of Crane Fluid Systems**

Name: I Wilson  
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Date: 22.01.02