

D180

Bronze Gate Valve
Rising stem

PN32

D180

GENERAL VALVES

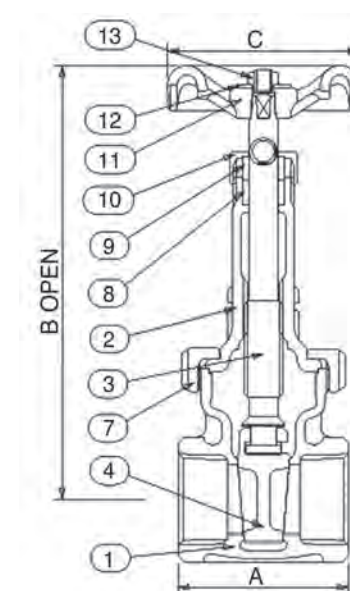
Features & Benefits

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

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

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 Valves Rising Stem, Solid Wedge, Union Bonnet, in accordance with BS EN 12288:2010 PN32 rated complete with Backseating feature. Valve Body, Bonnet and disc to Bronze to BS EN 1982 CC491K. Bronze Stem up to 2" and DZR Brass Stem for sizes 2.1/2" & 3". PTFE packing ring complete with Brass packing gland and nut design.

MSS SP80 CONFORMANCE: D180 complies with MSS SP 80, however, valve markings and threaded ends confirms with BS EN 12288:2010 only. D180.AT complies with threaded ends as well.

The Valve is suitable for use in group 2 gases, group 1 and group 2 liquids, as defined by the Pressure Equipment Directive 2014/68/EU.*

* See page 159 for more information