

BRONZE GATE VALVES

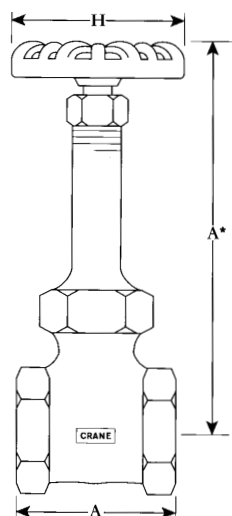
D180

PN32 BS 5154/A
Class 200 BS 1952
Screwed BS 21



D180

Solid wedge disk
Rising stem
Union bonnet
Handwheel



* Valve Open

CRANE

Applications - the configuration permits significantly higher pressure/temperature capabilities viz up to 32 bar at 120° Celsius and 14 bar at 260° Celsius. See table below for intermediate pressures and temperatures. Suitable for steam, water, oil and gas for infrequent operation in strictly on/off duties. Good dezincification resistance to aggressive fluids.

Specification - manufacture is to BS 5154 for series A ratings. The union bonnet not only permits higher pressures but it also facilitates valve dismantling and reassembly. The nickel alloy disk in sizes DN32, DN40 and DN50 has excellent bearing qualities and corrosion resistance; its 235 Brinell hardness means high resistance to erosion and wear in steam services. The valve is also suitable for use in Class 200 Imperial systems BS 1952 viz 400psi CWP; 200psi at 500° Fahrenheit. Threaded BS 21 taper (ISO 7).

P/T ratings

Temperature °Celsius	-10° to +120°	150°	170°	180°	200°	220°	230°	240°	250°	260°
Pressure bar	32,0	31,4	29,3	27,5	23,0	19,6	18,2	16,9	15,5	14,0

Materials

Part	Material	BS	ASTM
Body	No. 4 bronze	BS 1400-LG2	B62-C83600
Bonnet	No. 4 bronze	BS 1400-LG2	B62-C83600
Disk DN8-DN25	Bronze	BS 1400-LG2	B62-C83600
DN32-DN50	Nickel alloy	-	-
Stem	Aluminium bronze	NES 834 Pt.2	-

Testing - each valve individually tested to BS 5154.

Dimensions mm / Weights

DN	in	A	B	H	kg
15	1/2	53	133	52	0,67
20	3/4	57	166	65	1,03
25	1	65	192	65	1,54
32	1 1/4	80	228	92	2,31
40	1 1/2	89	259	103	3,28
50	2	102	315	121	5,40

Options - ends threaded ANSI B1.20.1; locking device; gland packings for special services; sizes DN8 and DN10 union bonnet; sizes DN65 and DN80 bolted bonnet.

