

CAST IRON GATE VALVES

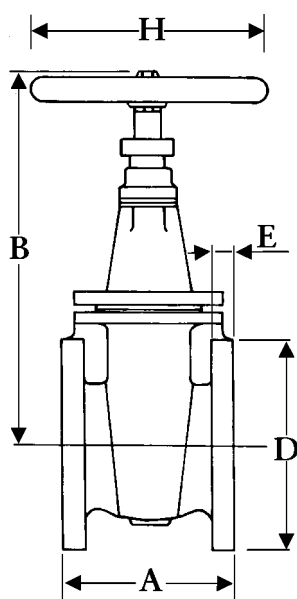
F52

Class 100 BS 5150
Flanged BS 10 Table E
Bronze trim
D50 to DN200



F52

Wedge disk
Non-rising stem
Inside screw



CRANE

Applications - generally suitable for non-shock on/off service for steam, water, air and non-corrosive oil or gas within the P/T limits shown in the tables. The wedge disk has the correct strength to withstand high Δp and positive seating.

Specification - manufacture is to BS 3464 for Imperial class wedge gate cast iron valves. Flanges are to BS 10 Table E flat face, drilled or undrilled. Main components are all made from high duty cast iron BS 1452 Gr.220 (ASTM A126B) viz body, bonnet, stuffing box, disk, gland and flange. Packing: non-asbestos pre-formed rings.

Gland: one-piece. In all the cast iron gate valves the accurately tapered disks are guided throughout their travel thus eliminating premature contact with seating surfaces. This means longer life of the valves.

P/T ratings

Temperature °Fahrenheit	0° to 100°	150°	200°	250°	300°	338°
Pressure psi	200	180	160	135	115	100

the metric equivalents of which are

Temperature °Celsius	-18° to +38°	66°	93°	121°	149°	170°
Pressure bar	13,8	12,4	11,0	9,3	7,9	6,9

Trim materials

Part	Material
Disk	Cast iron with bronze facings
Disk nut	
Body seat rings	
Stem	
	Bronze
	Brass

Testing - each valve hydrostatically tested to BS 3464.

Dimensions inches / Weights

DN	in	A	B	D	E	H	kg
50	2	5,75	10,88	6,00	0,75	5,50	13,6
65	2½	6,25	11,63	6,50	0,75	5,50	15,9
80	3	6,50	13,25	7,25	0,75	6,00	20,0
100	4	6,75	14,50	8,50	0,88	8,00	27,2
125	5	7,50	16,88	10,00	0,88	9,00	39,0
150	6	8,25	18,50	11,00	0,88	9,00	44,5
200	8	9,50	23,63	13,25	1,00	12,00	81,6

Options - DN250 and DN300; undrilled flanges; drain tap; locking device; open/shut indicator; stem adaptor; extension stem.

