

Metal Seated Gate Valve
BS 5163 - BSEN 1171 - Flanged PN16
Size Range : 700mm - 1800mm

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Conforms to BS5163 and BSEN1171

High Strength Ductile Iron Body/Bonnet & Disc.

Welded Aluminium Bronze Seats for increased corrosion protection and durability.

O-Ring Seals replaceable in situ.

Flanges PN16 BSEN 1092 as standard.

All Valves with ISO Mounting Flange as standard.

All valves supplied with Spur gearbox as standard.

Valves fitted with dedicated lifting points.

Valves fitted with 1" BSP vent plug as standard.

WRAS approved FBE coating as standard

Metal Seated Gate Valve - Bare shaft



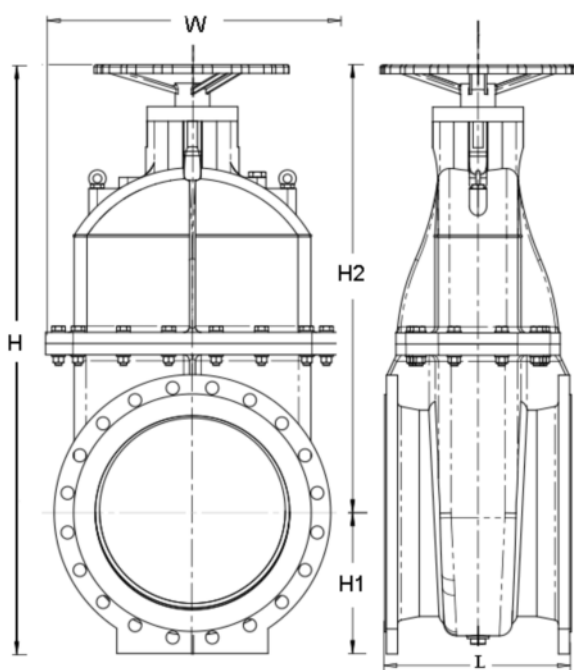
Options:

- * Anti-clock closing available
- * Flanges can be drilled PN10 or ANSI.
- * PN25/PN40 Long body design available.
- * Available in DIN F4/F5 F-F dimensions.
- * Available with Rising Spindle Design.
- * Open/close indicator and switch
- * Can be supplied complete with actuator
- * Available with Spur or Bevel Gearbox.
- * Can be supplied with By-Pass.
- * Stuffing Box sealing design is also available

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Description	Material	Standard
Body	Ductile Iron GGG50	BS 2789 - DIN 1563
Bonnet	Ductile Iron GGG50	BS 2789 - DIN 1563
Top Cover	Ductile Iron GGG50	BS 2789 - DIN 1563
Wedge Disc	Ductile Iron GGG50	BS 2789 - DIN 1563
Spindle	Stainless Steel X20Cr13	BS 970 -420S37 DIN 1.4021
Body Seat	Aluminium Bronze	BS 1982 - CuAl8
Disc Seat	Aluminium Bronze	BS 1982 - CuAl8
Thrust Ring	Bronze RG5	BS1400 RG5 DIN 1705
Wedge Nut	Bronze LG2	BS1400 LG2 DIN 1705
O-Rings	NBR or EPDM	BS 6920
Drain Plug	Stainless Steel	SS316 / A4
Vent Plug	Stainless Steel	SS316 / A4
Cover Bolts	HTS -Galvanised	
	Upgrade Options	
Spindle	SS304 or SS316	Non Rising or Rising Designs
Bolts	Stainless A2 or A4	

DN (mm)	Face -Face L - mm BS5163 short	Height - H (without Gearbox)	C/L to Base Dim H1	C/L to Top H2	C/L-Top with Gearbox	Max Width W	Flange Thickness Inc. Raised Face	No of Turns to close. Bare- Shaft	Stem Dia. Mm D2	Key Size mm	ISO Top Bare Shaft Valve D1	Approx Bare Torque At 16 bar Differential NM	Appx Kg with Gearbox
700mm	610	1895mm	461mm	1420mm	1695mm	966mm	40mm	61	50	14 x 9	F 25	1871	1180 kg
800mm	660	2175mm	519mm	1620mm	1885mm	1092mm	43mm	70	60	18 x 11	F 30	2650	1640 kg
900mm	711	2355mm	569mm	1783mm	2085mm	1212mm	47mm	78	60	18 x 11	F 30	3611	2080 kg
1000mm	811	2540mm	634mm	1942mm	2225mm	1328mm	50mm	87	60	18 x 11	F 30	4445	2545 kg
1200mm	838	3094mm	765mm	2329mm	2600mm	1570mm	57mm	104	70	20 x 12	F 35	7382	4200 kg
1400mm	1100	3815mm	865mm	2950mm	3300mm	1870mm	59mm	121	80	22 x 14	F 40	11302	7985 kg
1600mm	1200	4275mm	985mm	3290mm	3650mm	2070mm	65mm	138	80	22 x 14	F 40	4560 **	9750 kg
1800mm	1500	4705mm	1085mm	3620mm	4000mm	2150mm	69mm	155	80	22 x 14	F 40	7800 **	12300 kg

Gate Valves should always be installed in the upright position where possible. If the valve is to be tilted more than +/- 10 Deg, guides & slippers MUST be fitted otherwise the seats will become damaged. Refer to the O & M manual.

For valves above 1000mm - please discuss with our technical sales office regarding working pressures and modes of operation.
For valves to be fitted with gearbox and/or actuators - Please refer to our Valve Technical Team to offer specialist advice.

Notes-

1 Allow apprx 100mm extra height for the Cap.

** - Torque at 6 Bar Working pressure

2 Valves 1400mm and above and All Rising Spindle design valves are manufactured with stuffing box design stem sealing - PTFE or Graphite packed.