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VALVES for the WATER INDUSTRY

ISO GATE VALVE



figure 3050

Metal seat wedge gate valve with mounting flange used for pipeline isolation.

Suitable for water, wastewater and sewage applications.

Features

Unique lightweight ductile iron design

Durable fusion bonded epoxy coated

Precision machined/keyed spindle

ISO5210 mounting flange

Clockwise closing spindle as standard,
clockwise opening on request

Corrosion resistant construction

100% full bore

Drilling bosses and drain plug as standard

Integral feet to facilitate safe storage

Robust low maintenance design

Options

Actuation: electric or pneumatic

Gearbox: bevel or spur

By-pass

Alternative flange drillings

Aquaflow is a Division of T-T PUMPS Ltd.

ISO GATE VALVE

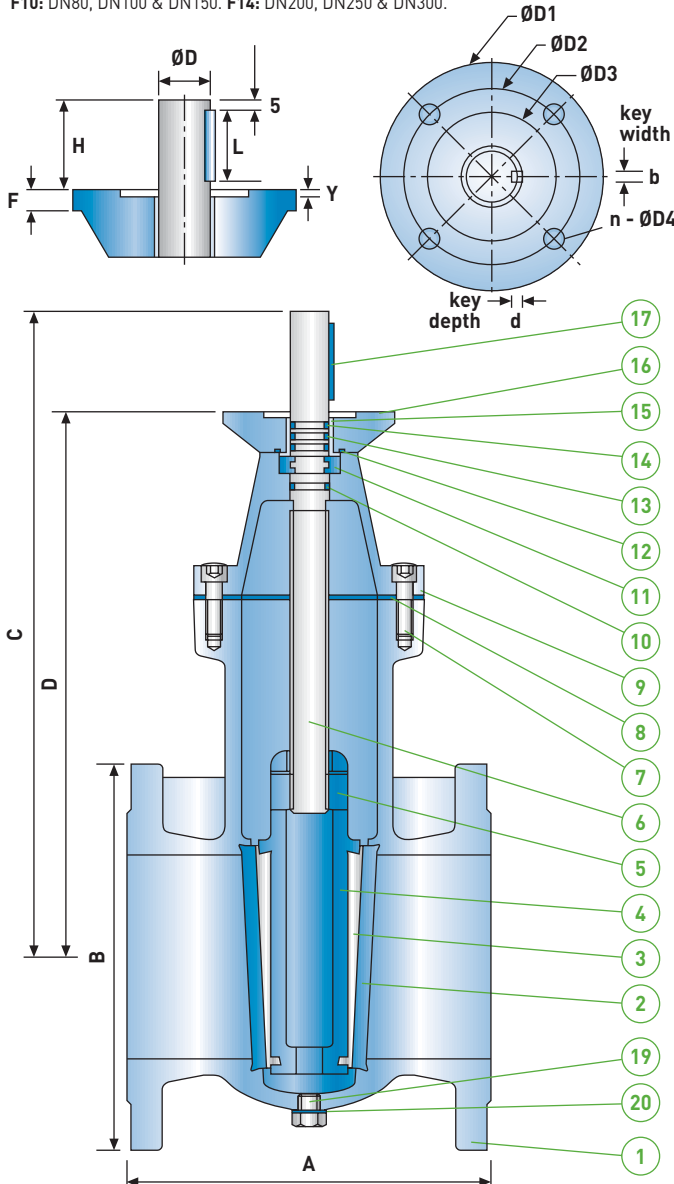
figure 3050

DIMENSIONS							
DN	A	B	C	D	No. of Turns	Torque @ 16 Bar (N/m)	Approximate Weight (Kg)
80	203	200	330	275	8	50	24
100	229	220	355	300	9	60	29
150	267	285	450	395	13	100	55
200	292	340	540	485	17	150	82
250	330	405	645	590	21	265	125
300	356	460	715	660	25	380	177

Larger sizes are available upon request. Dimensions in mm.

DIMENSIONS - MOUNTING FLANGE												
	ØD	ØD1	ØD2	ØD3	ØD4	F	H	L	Y	b	d	n
F10	20	130	102	75	12	10	50	40	4	6	6	4
F14	30	175	140	105	19	10	60	50	5,5	8	7	4

F10: DN80, DN100 & DN150. F14: DN200, DN250 & DN300.



TECHNICAL SPECIFICATION	
Standard:	BS 5163:2004
Range:	DN80 - DN300
Flanges & Drillings: Alternatives:	BS EN 1092-2:1987 Table 9 (PN16) BS EN 1092-2:1987 Table 8 (PN10) BS10 Table D or E
Maximum Working Pressure:	16 Bar
Hydrostatic Pressure Tests:	Seat: 1.1 x PN (17.6 Bar) Body: 1.5 x PN (24.0 Bar)
Temperature Range:	-10°C to 70°C Insulate at 0°C and below
Coating:	Blue fusion bonded epoxy (WRAS listed)
Face-to-Face Dimensions:	BS EN 558-1:1986 Table 3, Basic Series 3

MATERIAL SPECIFICATION			
Item	Item Name	Material	Specification
1	Body	Ductile Iron	BS EN 1563 Gr 500/7
2	Body Seat Ring	Copper Alloy	BS EN 1982
3	Wedge Seat Ring	Copper Alloy	BS EN 1982
4	Wedge	Ductile Iron	BS EN 1563 Gr 500/7
5	Stem Nut	Copper Alloy	BS EN 1982
6	Stem	Stainless Steel	BS EN 10088
7	Bolt	BZP Steel	BS 3692 Gr 8.8
8	Body Gasket	EPDM	-
9	Bonnet	Ductile Iron	BS EN 1563 Gr 500/7
10	'O' Ring	EPDM	BS 4518
11	Thrust Collar	Copper Alloy	BS EN 1982
12	'O' Ring	EPDM	BS 4518
13	'O' Ring	EPDM	BS 4518
14	Dust Seal	EPDM	-
15	Bush	Copper Alloy	BS EN 1982
16	ISO Seal Housing	Ductile Iron	BS EN 1563 Gr 500/7
17	Key	Key Steel	BS 970 080M40 (EN8)
18*	Seal Housing Bolts	BZP Steel	BS 3692 Gr 8.8
19	Drain Plug	Stainless Steel	BS EN 10088
20	Gasket	PTFE	-

*Seal Housing Bolts not shown.

ACCESSORIES
Actuator: electric or pneumatic
Gearbox: bevel or spur
Torque Tubes

