

PN25 Gate Valve

T-T Flow[®]
Valves



Figure 3070

Metal seat wedge gate valve used for pipeline isolation.

Suitable for water, wastewater and sewage applications.

Features

- Unique lightweight ductile iron design
- WRAS listed fusion bonded epoxy coated
- Stem seals replaceable under pressure
- Clockwise closing spindle as standard, clockwise opening on request
- Corrosion resistant construction
- 100% full bore
- Drilling bossed and drain plug as standard
- Integral feet to facilitate safe storage
- Robust low maintenance design suitable for buried service



Options

- Handwheel or stem cap operation
- Actuation: electric or pneumatic
- Gearboxes: bevel or spur
- Position indicator
- Locking device
- By-pass
- Extension spindles and tee keys
- Alternative flange drillings
- Chainwheel

T-T Flow, Woore, Cheshire, CW3 9RU
Tel: 01630 647111 Fax: 01630 642100
www.ttflow.com e-mail: info@ttflow.com



T-T PUMPS[®]

T-T Pumping Stations[®]

T-T Controls[®]

T-T Service[®]

T-T Agricultural & Environmental[®]

T-T Flow Valves[®]

Dimensions

DN	A	B	C	D	E	Handwheel Approx(Kg)	Stem Cap Approx(Kg)
80	203	200	396	426	205	27	25
100	229	235	407	437	205	35	33
150	267	300	515	545	280	64	62
200	292	360	606	670	320	101	99
250	330	425	703	773	360	144	142
300	357	485	798	868	450	204	202

Dimensions in mm. Weights are approximate.

Technical Specification

Standard	BS 5163 Pt.1&2:2004
Range	DN80 - DN300
Flanged Drillings	BS EN 1092-2:1987 Table 10 (PN25)
Maximum Working Pressure	25 Bar
Hydrostatic Pressure Tests	Seat: 1.1 x PN & Body: 1.5 x PN
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

Description	Material	Grade
Body	Ductile Iron	BS EN 1563 Gr 500/7
Body Seat Ring	Copper Alloy	BS EB 1982
Wedge Seat Ring	Copper Alloy	BS EN 1982
Wedge	Ductile Iron	BS EN 1563 Gr 500/7
Stem Nut	Copper Alloy	BS EN 1982
Stem	Stainless Steel	BS EN 10088
Bolt	BZP Steel	BS 3692 Gr 8.8
Body Gasket	EPDM	WRAS Listed
Bonnet	Ductile Iron	BS EN 1563 Gr 500/7
'O' Ring	EPDM	WRAS Listed
Thrust Collar	Copper Alloy	BS EN 1982
Dust Seal	EPDM	WRAS Listed
Bush	Copper Alloy	BS EN 1982
Seal Housing	Ductile Iron	BS EN 1563 Gr 500/7
Handwheel	Ductile Iron	BS EN 1563Gr 500/7
Washer	Stainless Steel	BS EN 10088
Bolt	Stainless Steel	BS EN 10088
Drain Plug	Stainless Steel	BS EN 10088
Gasket	PTFE	-
Stem Cap	Ductile Iron	BS EN 1563 Gr 500/7
Stem Cap Bolt	Stainless Steel	BE EN 10088
Grommet	EPDM	-

* Seal housing bolts not shown

