



**Flanged gate valves, designed according to EN1074 part 1 & 2
Face to face according to EN 558 table 2 basic series 19
Flanges and drilling to EN1092-2 (ISO 7005-2)**

Use:

For water to max. 70°C

Tests:

Hydraulic test according to EN1074-1 and 2/EN12266

Seat: 1.1 x PN

Body: 1.5 x PN

Operating torque test

Optional extras:

Hand wheel.

Marking:

DN, PN, casting no. and body material.

Materials

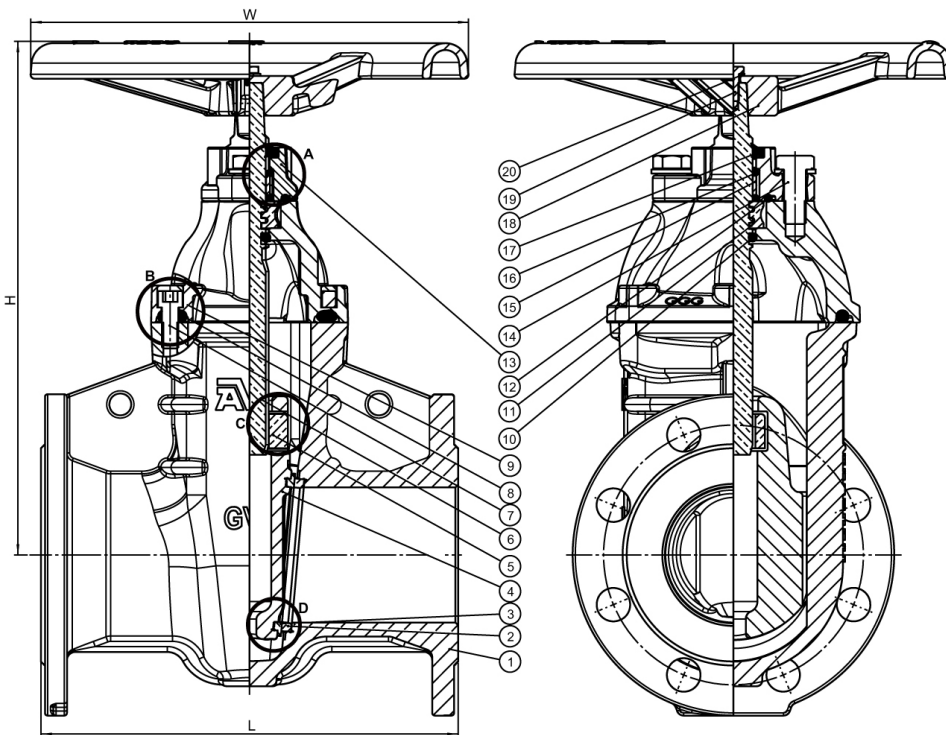
Body	Ductile Iron GGG50
Bonnet	Ductile Iron GGG50
Wedge	Ductile Iron GGG50
Seat	Gunmetal
Wedge Nut	Aluminium bronze
Stem	Stainless steel
Bushing	Nylon
O-rings	NBR
Gasket	EPDM
Fasteners	Zinc plated mild steel
Handwheel	Grey iron
Coating	Epoxy coating RAL7011



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Component list

1. Body	6. Stem	11. Thrust collar	16. O-ring
2. Seat ring	7. Socket head Bolt	12. O-ring	17. Wiper ring
3. Face ring	8. Bonnet gasket	13. Gland	18. Handwheel
4. Wedge	9. Bonnet	14. Socket head bolt	19. Bolt
5. Wedge nut	10. O-ring	15. Bushing	20. Washer



A. Stem sealing
Stem sealing replaceable under pressure with three independent stem seals:
·A NBR wiper ring protects against dirt from outside.
·A polyamid bearing with 2 EPDM O-rings ensures low friction.
·An O-ring protects the stem collar and prevents leakage when replacing stem seals under pressure.

B. Body/bonnet connection
The unique assembly of the valve body and bonnet ensures a durable tightness: A round rubber bonnet gasket fits into a recess in the valve bonnet preventing it from being blown out by pressure surges.

C. Wedge nut
The wedge nut is made of bronze with lubricating abilities providing optimum compatibility with the stainless steel stem.

D. Wedge
The wedge is made from ductile iron with gunmetal face rings which are machined to a fine surface finish to ensure optimum contact seal with body seat rings. The wedge face rings are accurately machined and firmly secured to the wedge. The guides in the wedge ensure uniform closure regardless of high pressures. The wedge has a large through bore housing for the stem that ensures no stagnant water or impurities can collect. The wedge is fully protected by a coating of fusion bonded epoxy.

Ref.no.	DN	L mm	H mm	W mm	Weight Kgs
37-050-80-6A0001	50	216	302	280	22
37-080-80-6A0001	80	283	346	280	26
37-100-80-6A0001	100	305	375	320	39
37-150-80-6A0001	150	403	480	360	70
37-200-80-6A0001	200	419	588	500	110
37-250-80-6A0001#	250	457	665	500	153
37-300-80-6A0001#	300	502	746	500	233

Only when unbalance pressure lower than 16 bar adopt handwheel, otherwise pls refer S37\81.gearbox must be used.

