

METAL SEATED GATE VALVE, PN25, DN 350-600

54/4142/A
014

Metal Faced Gate Valve PN25, designed according to EN1074 part 1 & 2, Face to Face according to EN 558 table 2 basic series 19.
Standard flange drilling to EN1092-2 (ISO 7005-2)

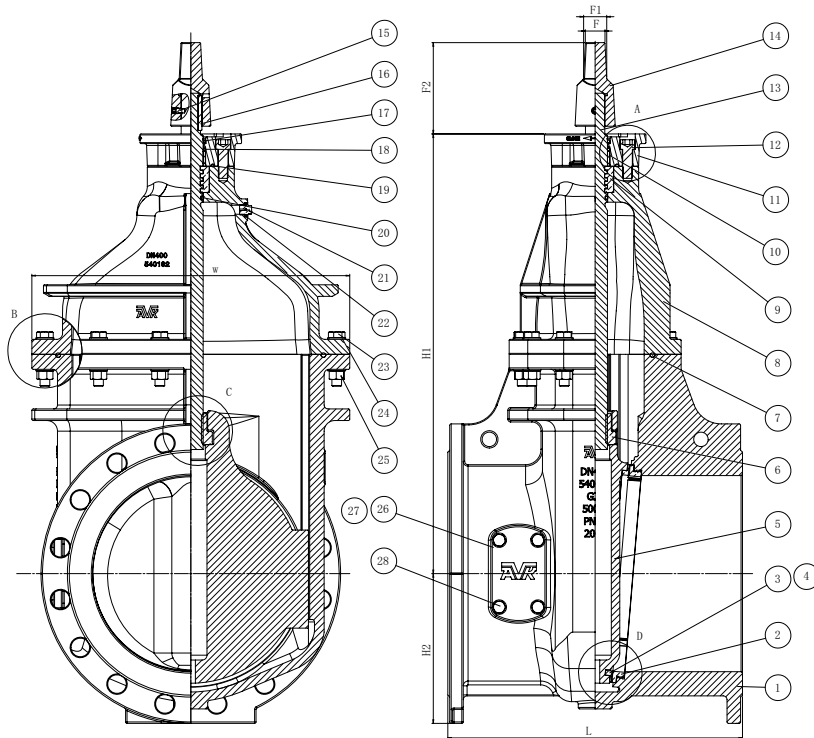
Use: For water, sewage and neutral liquids to max. 70°C
Hydraulic tests: Seat: 1.1 x PN Body: 37.5 (1.5 x PN) (PN25)
Applicable Standards: Design to EN 1074 Pt.1&2
Flange cast to EN 1092-2: PN25
Drilling to EN 1092-2:PN25

Options: Handwheel
Bevel or Spur Gearbox
Inspection cover
Floor Pillar

Materials:

Body	Ductile Iron EN 1563 EN-GJS-500/7
Bonnet	Ductile Iron EN 1563 EN-GJS-500/7
Wedge	Ductile Iron EN 1563 EN-GJS-500/7
ISO top flange	Ductile Iron EN 1563 EN-GJS-500/7
Stem cap	Cast Iron EN 1561 EN-GJL-250
Wedge nut	Aluminum Bronze EN1982 CC331G(AB1)
Seat ring	Aluminum Bronze EN1982 CC331G(AB1)
Face ring	Aluminum Bronze EN1982 CC331G(AB1)
Stem	Stainless Steel EN10088 No 1.4057/A276-431
Thrust collar	Dezincification resistant brass EN12167 CW602
Bearing	Polyamid 6.6
Air plug	Aluminum Bronze
Key	Carbon steel BS 4235 Part 1
Rivet pin	Bronze EN12163 CW451K
O-rings	EPDM
Gasket	Nylon
Fasteners	Zinc plated Mild Steel
Coating	Internal and external blue fusion bonded epoxy





A. Stem sealing

O-ring stem sealing comprising of 4 O-rings to ensure optimum sealing through stem.

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 body 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 bronze 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.

Component list

1. Body	11. ISO top flange	21. Air plug
2. Seat ring	12. Socket head bolt	22. Gasket
3. Face ring	13. Stem	23. Hexagon head bolt
4. Rivet pin	14. Stem cap	24. Washer
5. Wedge	15. Socket bolt	25. Nut
6. Wedge nut	16. Key	26. Blanking plate
7. O-cord	17. Wiper ring	27. O-Ring
8. Bonnet	18. O-ring	28. Bolt
9. Thrust Collar	19. O-ring	
10. Bearing	20. O-ring	

Reference nos. and dimensions

AVK ref. nos.	DN mm	Closing dir.	PN drilling	L mm	H1 mm	H2 mm	W mm	F mm	F1 mm	F2 mm	ISO flange	Theoretical weight kg
54-0350-41-7101106	350	CTC	25	572	834	278	598	40	48	189	14	403
54-0350-42-7101106	350	CTO	25	572	834	278	598	40	48	189	14	403
54-0400-41-7101106	400	CTC	25	610	910	310	658	40	48	189	14	516
54-0400-42-7101106	400	CTO	25	610	910	310	658	40	48	189	14	516
54-0450-41-7101106	450	CTC	25	660	995	335	708	40	48	194	14	640
54-0450-42-7101106	450	CTO	25	660	995	335	708	40	48	194	14	640
54-0500-41-7101106	500	CTC	25	711	1073	365	779	40	48	194	14	763
54-0500-42-7101106	500	CTO	25	711	1073	365	779	40	48	194	14	763
54-0600-41-7102106	600	CTC	25	787	1240	423	904	40	48	194	16	1144
54-0600-42-7102106	600	CTO	25	787	1240	423	904	40	48	194	16	1144