

Flanged gate valves, designed according to EN1074 part 1 & 2, Face to face according to EN 558 table 2 basic series 15.
Standard flange drilling to BS10 table E

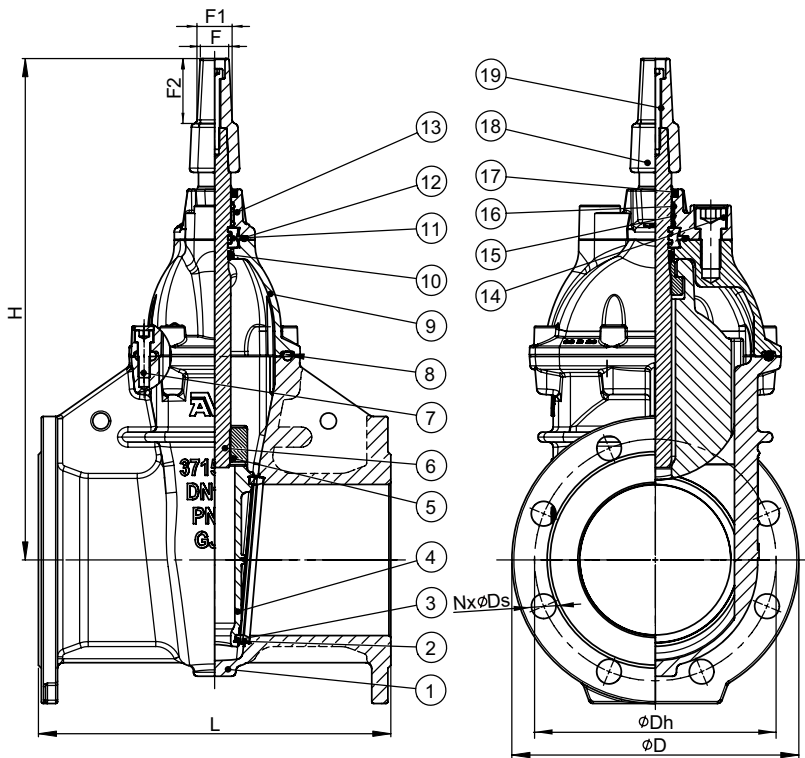
Use: For water, sewage and neutral liquids to max. 70°C
Hydraulic tests: Seat: 1.1 x PN Body: 1.5 x PN
Applicable Standards: To EN 1074 Part 1 & 2 : 2000
Options: Handwheel
 Bevel or spur gearbox
 Extension spindle
 Street cover

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
Stemcap	Ductile Iron EN 1563 EN-GJS-500/7
Seats/Faces	Gunmetal EN 1982 CC491K(LG2)
Wedge Nut	Aluminium bronze EN 1982 CC331G(AB1)
Stem	Aluminium bronze CA104
Bushing	Nylon
O-rings	EPDM
Gasket	EPDM
Fasteners	Zinc plated mild steel(FZV)
Coating	Internal and external blue fusion bonded epoxy(150 microns)WRAS



For further details see section "Technical Information".
 The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product programme.



A. Stem sealing

Stem sealing replaceable under pressure with three independent stem seals:

- A wiper ring protects against dirt from outside.
- A polyamid bearing with 2 EPDM O-rings ensures low friction.
- An O-ring protects the thrust 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 aluminium bronze with lubricating abilities providing optimum compatibility with the 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.

Component list

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

Reference nos. and dimensions

AVK ref. nos.	DN mm	PN drilling	L mm	H mm	D mm	Dh mm	Ds mm	Number of bolts	F mm	F1 mm	F2 mm	Theoretical weight kg
37-050-70-26004115	50	BS10 E	250	304	165	114	18	4	28	35	63	12
37-080-70-26004115	80	BS10 E	280	349	200	146	18	4	28	35	63	22
37-100-70-26004115	100	BS10 E	300	381	220	178	18	8	28	35	63	29
37-150-70-26004115	150	BS10 E	350	498	285	235	22	8	28	35	63	46
37-200-70-26004115	200	BS10 E	400	597	340	292	22	8	28	35	63	82
37-250-70-26004115	250	BS10 E	450	672	405	356	22	12	28	35	63	115
37-300-70-26004115	300	BS10 E	500	753	455	406	26	12	28	35	63	171