AVK METAL SEATED GATE VALVE,WITH CW CAP,CTC

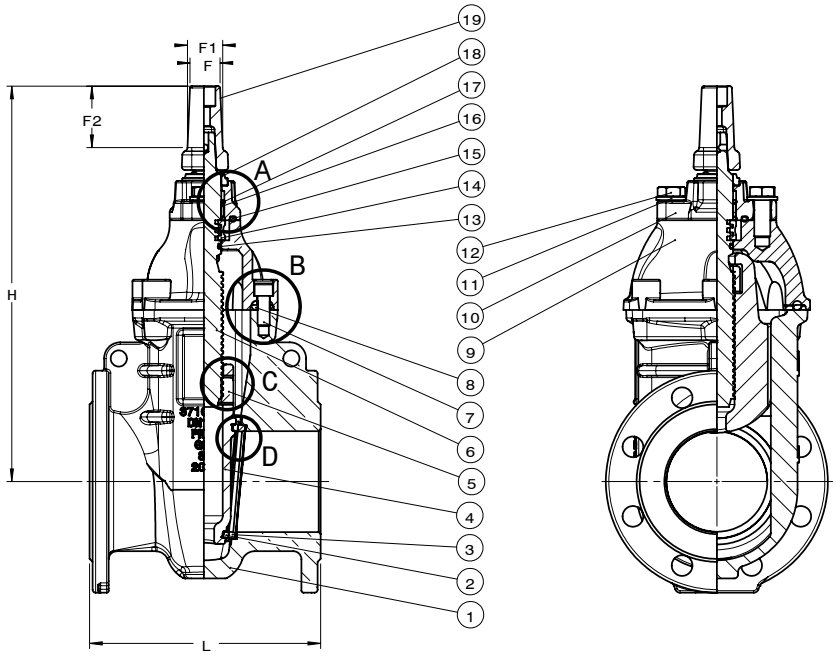
37/40
001

Flanged gate valves, designed according to EN1074 part 1 & 2, Face to face according to EN 558 table 2 basic series 3.
Standard flange drilling to EN1092-2 (ISO 7005-2)

Metal seated gate valve in ductile iron, GGG 50 (GJS-500).
Wedge in ductile iron, faced with copper alloy. Copper alloy wedge nut.
Stem in stainless steel 1.4021/A276-420 with rolled threads. Exchangeable under pressure stem sealing with 2 O-rings in a nylon bearing, 1 O-ring on the stem, 1 O-ring seal in top gland and a wiper ring. EPDM bonnet gasket in a groove, countersunk bonnet bolts encircled by the bonnet gasket and sealed with hot melt.
Epoxy coating electrostatically applied internal and external to WIS 4-52-01 Class B

Accessories: Handwheel AVK series 08, extension spindle AVK series 04, street covers AVK series 04 and AVK series 80, combi-flange AVK series 05, flange adaptors AVK series 603 and 623.

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 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 copper alloy with lubricating abilities providing optimum compatibility with the stainless steel stem.

D. Wedge
The wedge is made from ductile iron with copper alloy 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 Facing Ring
3. Seat Ring
4. Wedge
5. Wedge Nut
6. Stem
7. Bonnet bolt
8. Bonnet Gasket
9. Bonnet
10. Gland Flange
11. Washer
12. Gland bolt
13. O-ring
14. Collar
15. O-ring
16. Bushing
17. O-ring
18. Wiper Ring
19. Stem Cap

Reference nos. and dimensions

AVK ref. nos.	DN mm	PN drilling	L mm	H mm	F mm	F1 mm	F2 mm	Theoretical weight kg
37-050-40-210001	50	16	178	316	28	35	63	20
37-080-40-210001	80	16	203	361	28	35	63	24
37-100-40-210001	100	16	229	390	28	35	63	33
37-150-40-210001	150	16	267	517	28	35	63	56
37-200-40-210001	200	16	292	632	28	35	63	86
37-250-40-210001	250	16	330	712	28	35	63	123
37-300-40-210001	300	16	356	790	28	35	63	194