



## AVK FLANGED GATE VALVE, AWWA C509, 250 PSI

45/5D

With post indicator flange and wrench nut, UL listed and FM approved, CTC

AVK gate valves are designed with built-in safety in every detail. The wedge is fully vulcanized with AVK's own drinking water approved EPDM rubber compound. It features an outstanding durability due to the ability of the rubber to regain its original shape, the double bonding vulcanization process and the sturdy wedge design. The triple safety stem sealing system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

### Product Description:

Flanged gate valve with post indicator flange - UL listed and FM approved for fire protection applications to max. 70° C

### Standards:

- Designed according to AWWA C509, Designed according to FM 1120/1130, UL 262
- Face to face according to ANSI B16.10
- Flanged Ends to ANSI B 16.42, class 150

### Test/Approvals:

- Hydraulic test according to AWWA C509.
- Seat: 1.5 x PN (in Bar). Body: 2 x PN (in Bar). Closing torque test.
- FM Approved. UL/ULC listed.

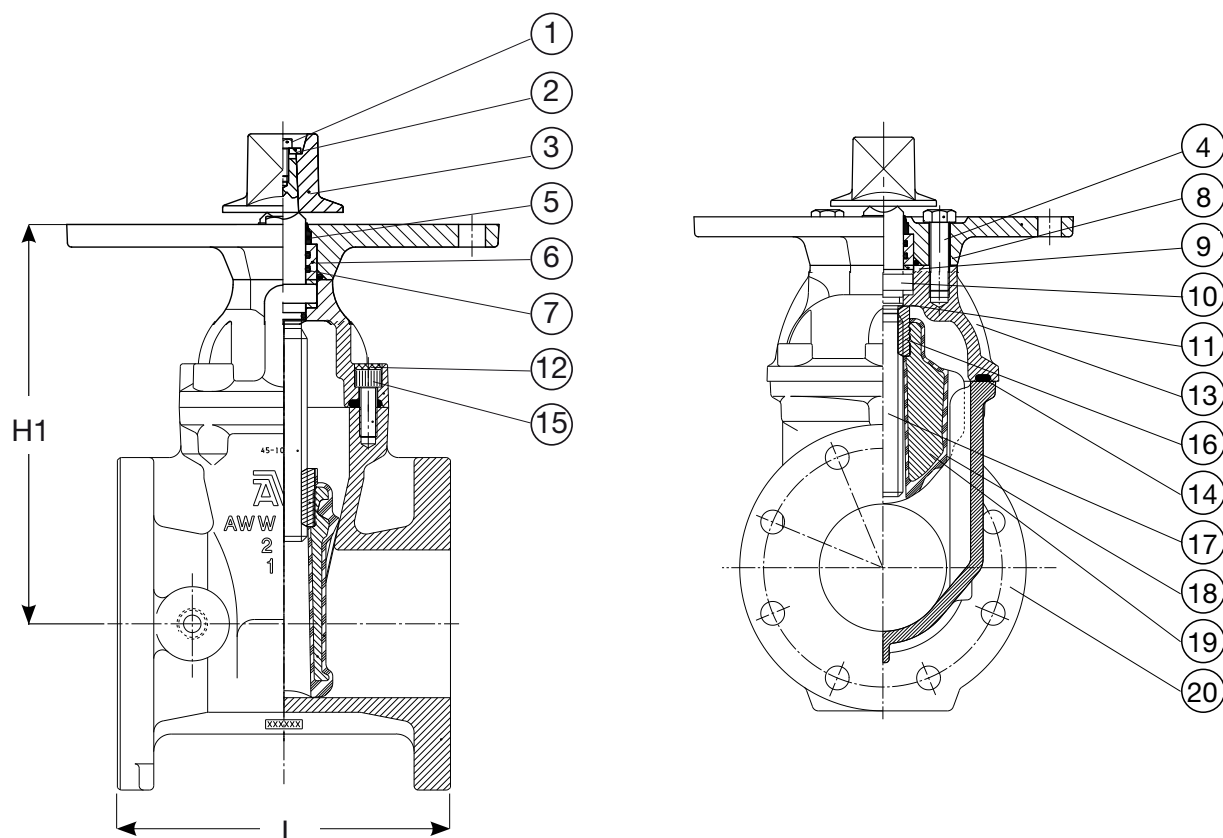
### Features:

- UL Approved Rated working pressure: DN 50-300 250 PSI, DN 350-400 200 PSI
- Fixed, integral wedge nut prevents vibration and ensures durability
- Fully vulcanized wedge with guide rails, integrated wedge shoes and a large conical stem hole
- Stem with wedge stop, stem made of aluminium bronze
- Stem sealing with an NBR wiper ring, two upper O-rings in a polyamide bearing, one lower O-ring and one O-ring gland seal
- Round NBR bonnet gasket fixed in a recess
- Countersunk and sealed acid-resistant stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Epoxy coating to DIN 30677-2 RAL 3000 min. 250 microns
- Other flange drillings, coating specifications, components material available on request

### Accessories:

Post indicator, wall post indicator



**AVK FLANGED GATE VALVE, AWWA C509, 250 PSI****45/5D****With post indicator flange and wrench nut, UL listed and FM approved, CTC****Component List:**

1. Hexagon bolt	Stainless steel 316	2. Washer	Stainless steel 316
3. Wrench nut	Grey cast iron	4. Gland bolt	Stainless steel 316
5. Wiper ring	NBR rubber	6. Bearing	Polyamide
7. O-ring stem seal	NBR rubber	8. Post indicator flange	Ductile iron, GJS-500 (GGG-50)
9. O-ring gland seal	NBR rubber	10. Thrust collar	Brass
11. O-ring stem seal	NBR rubber	12. Bonnet bolt seal	Hot melt wax
13. Bonnet	Ductile iron, GJS-500 (GGG-50)	14. Bonnet gasket	NBR rubber
15. Bonnet bolt	Stainless steel A4	16. Wedge nut	Dezincification resistant brass
17. Stem	Alu bronze	18. Wedge rubber	EPDM rubber
19. Wedge	Ductile iron, GJS-500 (GGG-50)	20. Body	Ductile iron, GJS-500 (GGG-50)

**Reference Nos. and Dimensions:**

AVK ref. nos	DN mm	L mm	H1 mm	Theoretic. weight kg
45-050-5D-XXX	50	178	233	25
45-065-5D-XXX	65	190	243	29
45-080-5D-XXX	80	203	247	32
45-100-5D-XXX	100	229	280	36
45-150-5D-XXX	150	267	382	51
45-200-5D-XXX	200	292	475	77
45-250-5D-XXX	250	330	561	129
45-300-5D-XXX	300	356	637	193
45-350-5D-XXX	350	381	816	288
45-400-5D-XXX	400	406	818	365

The designs, materials and specifications shown are subject to change without notice. This is due to the continuous development of our product programme.