



AVK FLANGED GATE VALVE, AWWA C509, 250 PSI

45/59

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

010

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/ULC 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
- Universal flange drilling to EN1092 (ISO 7005-2), PN 10/16

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 and ULC listed.

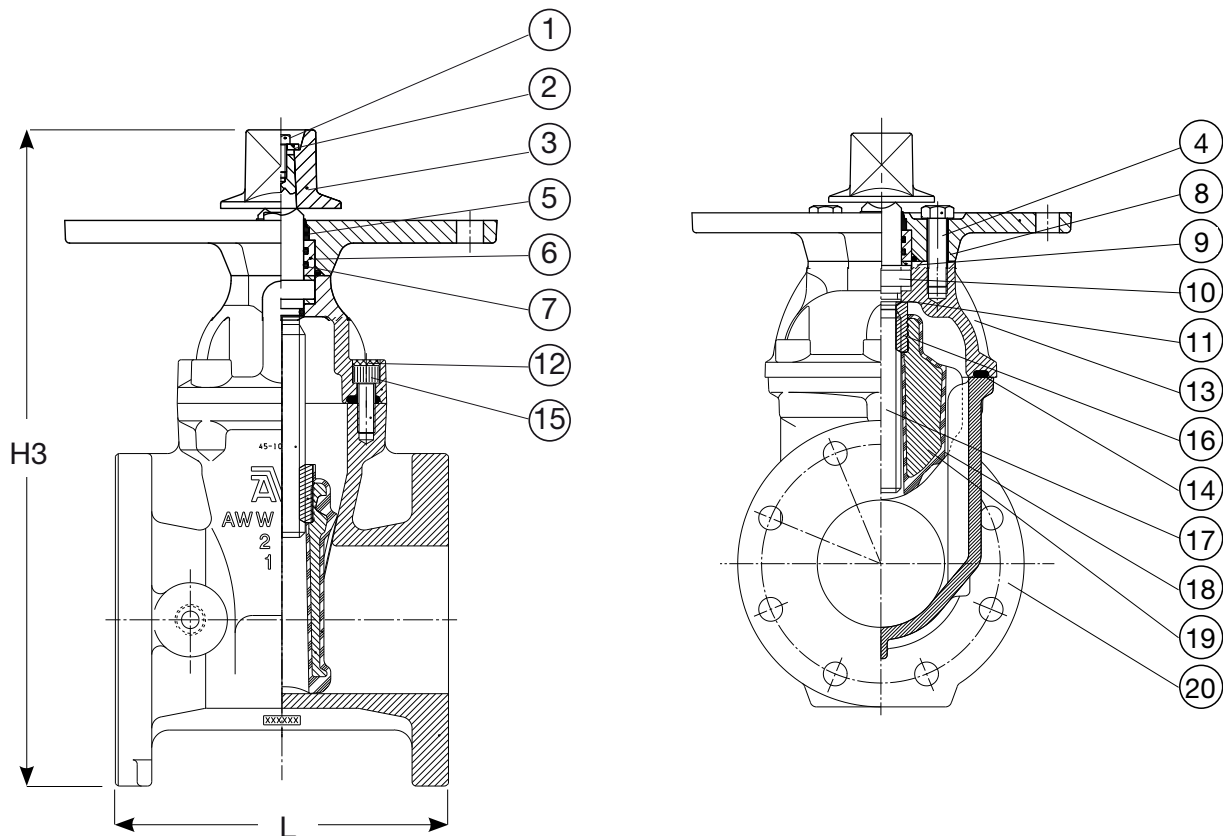
Features:

- 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 and rolled threads for high strength, DN 50-300 of stainless steel AISI 304 and DN 350-400 of aluminium bronze ASTM B150 grade C63000
- 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 and AVK guidelines, RAL 5017
- Other flange drillings on request

Accessories:

Post indicator, wall post indicator





Component List:

1. Hexagon bolt	Stainless steel	2. Washer	Stainless steel
3. Wrench nut	Grey cast iron	4. Gland bolt	Stainless steel
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
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	Stainless steel AISI 304/alu bronze	18. Wedge rubber	EPDM rubber
19. Wedge	Ductile iron	20. Body	Ductile iron, GJS-500 (GGG-50)

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H3 mm	Theoretic. weight kg
45-050-59-016041	50	PN10/16	169	394	25
45-065-59-016141	65	PN10/16	191	400	29
45-080-59-016141	80	PN10/16	203	403	32
45-100-59-016141	100	PN10/16	229	458	36
45-150-59-016141	150	PN10/16	267	585	51
45-200-59-006141	200	PN10	292	718	77
45-200-59-016141	200	PN16	292	718	77
45-250-59-006141	250	PN10	330	831	129
45-250-59-016141	250	PN16	330	831	129
45-300-59-006141	300	PN10	356	942	193
45-300-59-016141	300	PN16	356	942	193

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

AVK ref. nos	DN mm	Flange drilling	L mm	H3 mm	Theoretic. weight kg
45-350-5D-016141 ⁽¹⁾	350	PN16	381	1138	288
45-400-5D-006141 ⁽¹⁾	400	PN10	406	1181	365
45-400-5D-016141 ⁽¹⁾	400	PN16	406	1181	365

⁽¹⁾ Stem in aluminium bronze