

AVK FLANGED GATE VALVE, AWWA C509, 200 PSI

25/49

With post indicator flange and wrench nut, UL/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 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
- Standard flange drilling to EN1092 (ISO 7005-2), PN 16

Test/Approvals:

- Hydraulic tests according to FM and UL Standards.
- Seat: 1.5 x PN (in Bar). Body: 2 x PN (in Bar). Operating torque test.
- FM Approved. UL listed.

Features:

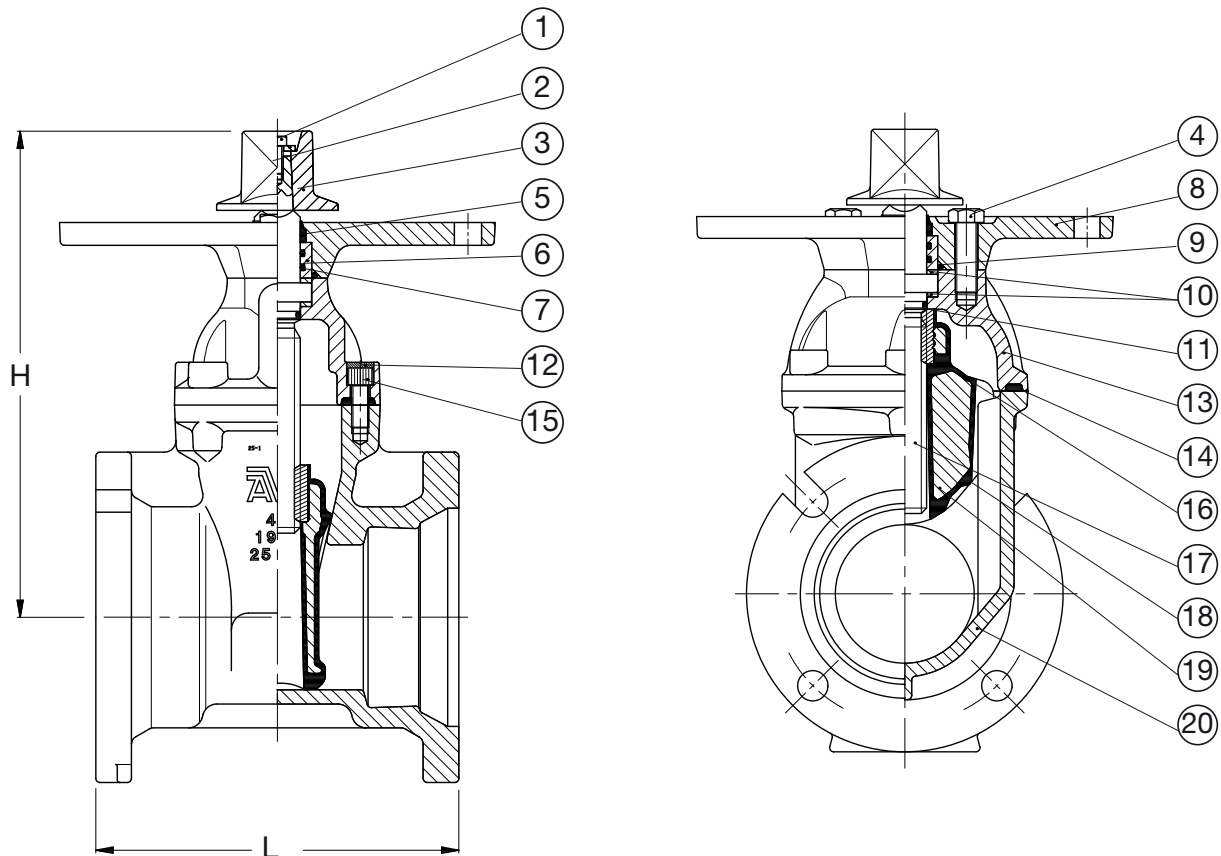
- Fixed, integral wedge nut prevents vibration and ensures durability
- Fully vulcanized wedge with guide rails, integrated wedge shoes and a large conical stem hole
- Stainless steel stem with wedge stop and rolled threads for high strength
- Stem sealing with an NBR wiper ring, two upper O-rings in a polyamide bearing, one lower O-ring and one O-ring gland seal
- Round NBR bonnet gasket fixed in a recess
- Countersunk and sealed 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

Accessories:

Post indicator, wall post indicator



Version no. 43 - 1/25/2013 3:30 PM



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	Grey cast iron GJL-250
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	Grey cast iron GJL-250	14. Bonnet gasket	NBR rubber
15. Bonnet bolt	Stainless steel A2	16. Wedge nut	Dezincification resistant brass
17. Stem	Stainless steel AISI 304	18. Wedge rubber	EPDM rubber
19. Wedge	Ductile iron	20. Body	Grey cast iron GJL-250

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	Theoretical weight kg
25-080-49-016001 ⁽¹⁾	80	PN16	203	307	39.0
25-100-49-016001 ⁽¹⁾	100	PN16	229	343	40.0
25-150-49-016001 ⁽¹⁾	150	PN16	267	445	60.0
25-200-49-016001 ⁽¹⁾	200	PN16	292	546	90.0
25-250-49-016001 ⁽¹⁾	250	PN16	330	628	135.0
25-300-49-016001 ⁽¹⁾	300	PN16	356	701	174.0

⁽¹⁾ UL/FM approved. Other flange drillings on request