



## AVK GATE VALVE, FLANGED, PN10/16

02/20-003

Face/face EN558/3 (BS), EN1092 flange, ductile iron, SS stem, A2 bolts, 300µm blue EP, EPDM

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 for drinking water, treated waste water free of solids and fibrous impurities and other neutral fluids. Maximum operating temperature 70°C.

### Design standards:

- EN 1074 part 1 & 2
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to EN1092, PN10/16

### Test/Approvals:

- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test
- Approved according to ACS Certificate 18 ACC NY 369
- WRAS approved materials
- Approved by SASO

### Features:

- Wedge nut in dezincification resistant brass, designed as a fixed, integral part of the wedge which prevents vibration and ensures durability
- Wedge and wedge nut fully vulcanized with drinking water approved EPDM rubber
- Wedge shoes in PA and guide rails on the body make the wedge slide easily up and down, keeping operational torque low even with high differential pressure
- A large conical stemhole going all the way through the wedge ensures circulation and prevents stagnant water
- Stainless steel stem with wedge stop and rolled threads for high strength
- Full circle thrust collar keeps the stem firmly lined up and ensures low operating torque
- Triple safety stem seal with a wiper ring outermost to protect against contamination from outside, in the middle four O-rings around the radial bearing and innermost a lip seal as main seal to the system pressure
- Bonnet gasket with a circular cross-section and fixed in a recess to avoid blow-out
- Counterbored, stainless steel A2 bonnet bolts, sealed with hot-melt and encircled by the bonnet gasket for optimum corrosion protection
- Full bore
- Fusion bonded epoxy coating, 300µm to DIN 3476

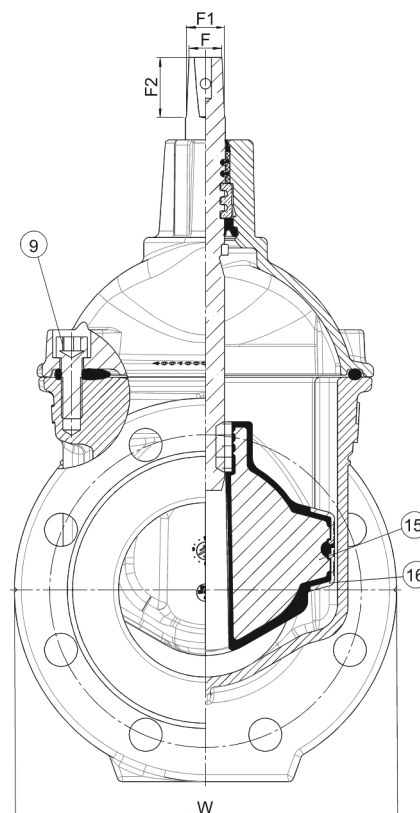
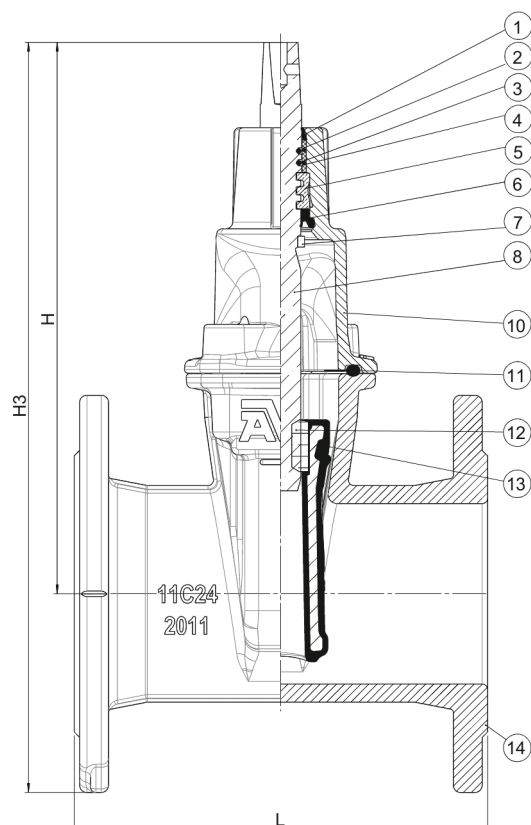
### Accessories:

Stem cap, handwheel, extension spindle, street cover, flange adaptor, combi-flange



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

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1. Wiper ring	NBR rubber	9. Bonnet bolt	Stainless steel A2
2. O-ring	NBR rubber	10. Bonnet	Ductile iron GJS-500-7 (GGG-50)
3. O-ring	NBR rubber	11. Bonnet gasket	EPDM rubber
4. Bushing	Polyamide	12. Wedge nut	Brass DZR CW626N
5. Thrust collar	Brass DZR CW602N	13. Wedge rubber	EPDM rubber
6. Stem seal	EPDM rubber	14. Body	Ductile iron GJS-500-7 (GGG-50)
7. Stop ring	Stainless steel	15. Wedge core	Ductile iron GJS-500-7 (GGG-50)
8. Stem	Stainless steel	16. Wedge shoe	Polyamide

Components may be substituted with equivalent or higher class materials without prior notification.

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H mm	H3 mm	F mm	F1 mm	F2 mm	W mm	Theoretical weight/kg
02-050-20-014109	50	PN10/16	178	208	290	14	17	29	165	8.7
02-065-20-014109	65	PN10/16	190	245	337	17	20	34	185	11
02-080-20-014109	80	PN10/16	203	282	382	17	20	34	200	15
02-100-20-014109	100	PN10/16	229	305	415	19	22	38	220	17
02-150-20-014109	150	PN10/16	267	401	543	19	22	38	285	32
02-200-20-004109	200	PN10	292	490	660	24	27	34	340	50
02-200-20-014109	200	PN16	292	490	660	24	28	42	340	50
02-250-20-004109	250	PN10	330	625	825	27	31	47	400	82
02-250-20-014109	250	PN16	330	625	825	27	31	47	400	82
02-300-20-004107	300	PN10	356	707	934	27	31	47	455	115
02-300-20-014107	300	PN16	356	740	968	27	31	47	455	115
02-350-20-01610	350	PN16	381	924	1191	32	37	55	533	182
02-400-20-01610	400	PN16	406	951	1241	32	37	55	580	194

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