



AVK GATE VALVE, FLANGED/SPIGOT END, PN10/16 DN50-300

12/51-005



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/spigot end gate valve. For drinking water and neutral liquids to max. 70°C

Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171
- Face-to-face dimension according to EN 558 Table 2 Basic Series 15
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test
- Belgaqua approved material
- Components approved for drinking water



Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Wedge fully vulcanized with drinking water approved EPDM rubber and equipped with wedge shoes to provide smooth operation
- Large conical stem hole in the wedge prevents stagnant water
- Wedge and body guide rails ensure stable operation
- Stainless steel stem with wedge stop and rolled threads for high strength
- Full circle thrust collar provides fixation of the stem and low free running torques
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings and an EPDM rubber manchette
- Round EPDM bonnet gasket fixed in a recess
- Countersunk and sealed bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, GSK approved
- The spigot end can be mounted with a loose flange/flange adaptor making the valve suitable as replacement for valves with a non-standard face to face dimension

Accessories:

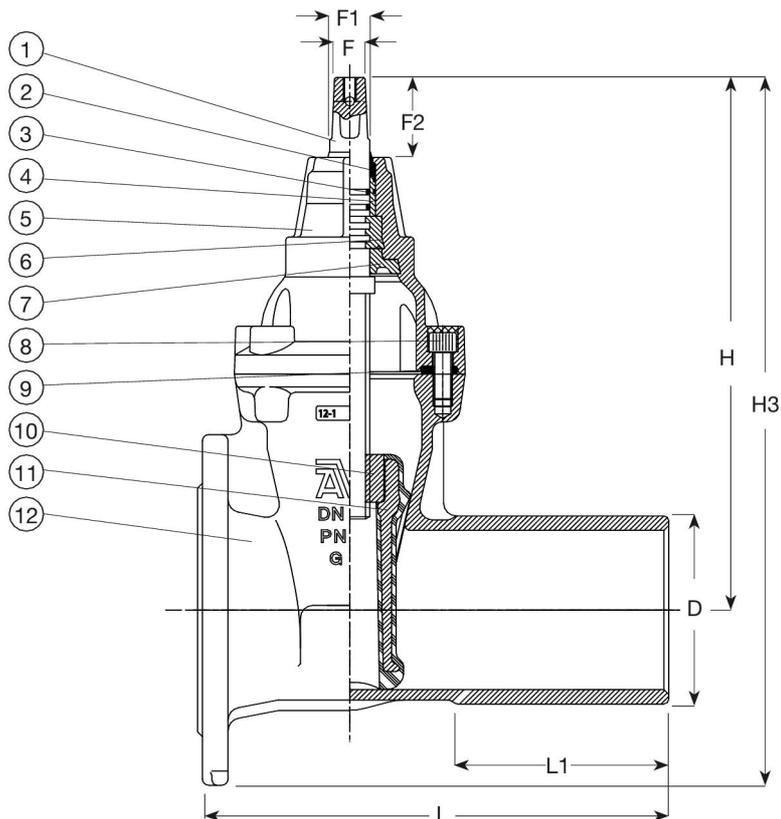
Stem cap, handwheel, extension spindle, street cover, flange adaptor and combi-flange



BELGAQUA

Expect ... **AVR**

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



Component list:

1. Stem	Stainless steel 1.4104 (430F)	7. Manchette	EPDM rubber
2. Wiper ring	NBR rubber	8. Bonnet bolt	Stainless steel A2, sealed with hot melt
3. O-ring	NBR rubber	9. Bonnet gasket	EPDM rubber
4. Bearing	Polyamide	10. Wedge nut	Brass, DZR CW626N
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	11. Wedge	Ductile iron, EPDM encapsulated
6. Thrust collar	Brass, DZR CW602N	12. Body	Ductile iron GJS-500-7 (GGG-50)

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

Reference nos. and dimensions:

AVK ref. no.	DN	D	Flange	L	L1	H	H3	F	F1	F2	Theoretical weight/kg
	mm	mm	drilling	mm	mm	mm	mm	mm	mm	mm	
12-050-51-017	50	66	PN10/16	244	121	241	324	14	17	29	12
12-065-51-017	65	82	PN10/16	264	130	271	364	17	20	34	17
12-080-51-0146499	80	98	PN10/16	274	127	297	397	17	20	34	14
12-100-51-0146499	100	118	PN10/16	294	133	334	444	19	22	38	16
12-125-51-0146499	125	144	PN10/16	319	149	376	501	19	22	38	21
12-150-51-0146499	150	170	PN10/16	344	160	448	591	19	22	38	30
12-200-51-0046499	200	222	PN10	394	187	562	732	24	28	42	50
12-200-51-0146499	200	222	PN16	394	187	562	732	24	28	42	50
12-250-51-007	250	274	PN10	444	179	664	864	27	31	47	120
12-250-51-017	250	274	PN16	444	179	664	864	27	31	47	120
12-300-51-007	300	326	PN10	494	204	740	968	27	31	47	174
12-300-51-017	300	326	PN16	494	204	740	968	27	31	47	174