



AVK GATE VALVE, SOCKET ENDS, PN16

01/80-0035

For uPVC pipes, DN40-400

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:

Socket gate valve for uPVC pipes. For drinking water and neutral liquids to max. 70°C

Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171

Test/Approvals:

- Seat: 1.1 x PN (in bar), Body: 1.5 x PN (in bar). Operation torque test
- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Belgaqua approved
- Approved according to KIWA Certificate K 6320

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 stainless steel 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
- Socket EPDM gaskets included

Accessories:

Stem cap, handwheel, extension spindle and street cover



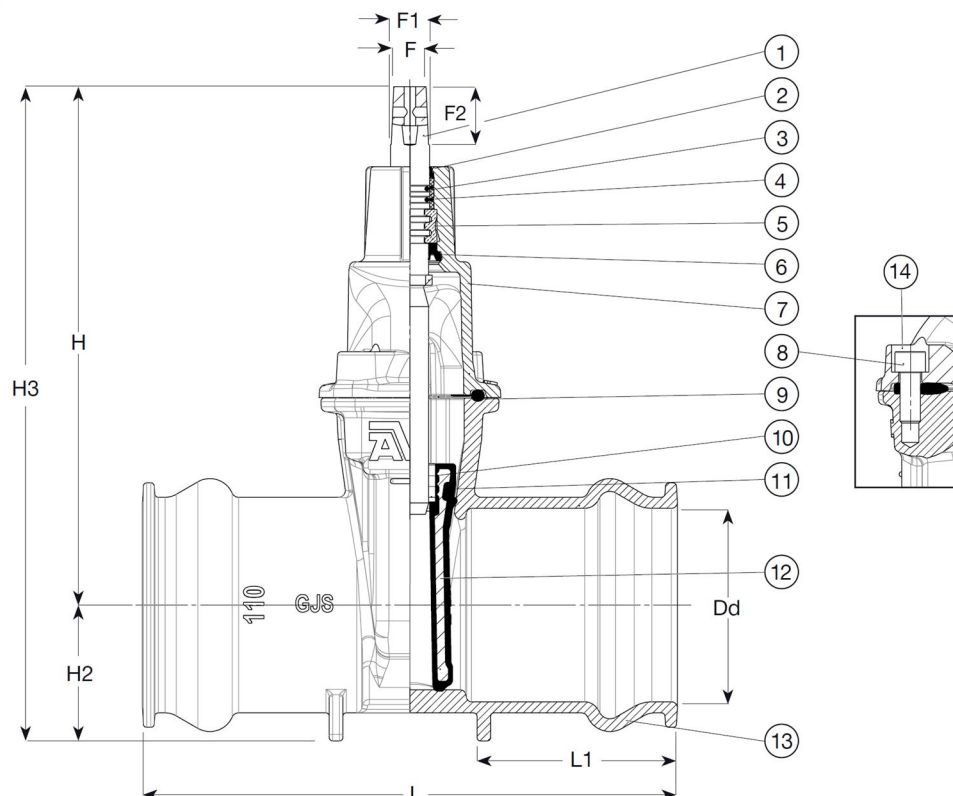
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The designs, materials and specifications shown are subject to change without notice. This is due to the continuous development of our product programme.


Component list:

1. Stem	Stainless steel 1.4104 (430F)	8. Bonnet bolt	Stainless steel A2
2. Wiper ring	NBR rubber	9. Bonnet gasket	EPDM rubber
3. O-ring	NBR rubber	10. Wedge nut	Brass, DZR CW626N
4. Bearing	Polyamide	11. Wedge	Ductile iron, EPDM encapsulated
5. Thrust collar	Brass, DZR CW602N	12. Body	Ductile iron GJS-500-7 (GGG-50)
6. Manchette	EPDM rubber	13. Seal ring	EPDM rubber
7. Bonnet	Ductile iron GJS-500-7 (GGG-50)	14. Seal	Hot melt glue

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

Reference nos. and dimensions:

AVK ref. no.	DN	Dd	L	L1	H	H2	H3	F	F1	F2	Theoretical weight/kg
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
01-050-80-014	40	50	270	103	236	44	280	14	17	29	7.0
01-063-80-014	50	63	286	103	241	52	293	14	17	29	8.0
01-075-80-014	65	75	298	108	271	58	329	17	20	34	9.0
01-090-80-0146499	80	90	304	112	282	68	350	17	20	34	12
01-110-80-0146499	100	110	315	118	305	80	385	19	22	34	15
01-125-80-0146499	125	125	338	115	352	90	442	19	22	34	19
01-160-80-0146499	150	160	368	130	403	110	513	19	22	34	29
01-200-80-0146499	200	200	417	138	495	130	625	24	27	34	47
01-225-80-0146499	200	225	426	151	490	140	630	24	27	34	50
01-250-80-014	250	250	474	161	664	157	821	27	31	47	80
01-280-80-014	250	280	504	166	664	174	838	27	31	47	95
01-315-80-014	300	315	548	172	740	193	933	27	31	47	123
01-400-80-014	400	400	596	185	950	240	1190	32	37	55	246