



## AVK GATE VALVE, LONG SPIGOT ENDS, PN16

46/70-005

For gas steel pipes, replaceable stem sealing, NBR, DN50-300

AVK gate valves are designed with built-in safety in every detail and with full traceability of vital valve components. The wedge is fully vulcanized with AVK's own oil and gas resistant NBR 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 replaceable under pressure, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

### Product description:

Gate valve with long spigot ends. For gas -10°C to +60°C

### Standards:

- Designed according to EN 13774, Designed acc. to EN1171 (Max operating pressure to PED specified in the Ref. nos. & dim. table)

### Test/Approvals:

- Hydraulic test to DIN 3230-5, PG 3 and EN 13774
- Seat: 1.1 X PN and 0.5 with air (in bar). Body: 1.5 X PN with water, 1.1 X PN and 0.5 with air (in bar)
- Approved according to DIN-DVGW Certificate NG-4313BO0281
- Approved according to DVGW EC Certificate CE-0085BO0317
- Approved according to KIWA Certificate 65139/05
- Approved according to SVGW Certificate No. 08-068-5

### Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Wedge fully vulcanized with NBR rubber and equipped with wedge shoes to provide smooth operation
- 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 and four NBR O-rings in a stem seal nut of dezincification resistant brass replaceable under pressure. A rubber manchette is the main seal to the flow.
- Round 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

### Accessories:

Stem cap, handwheel, extension spindle and street cover

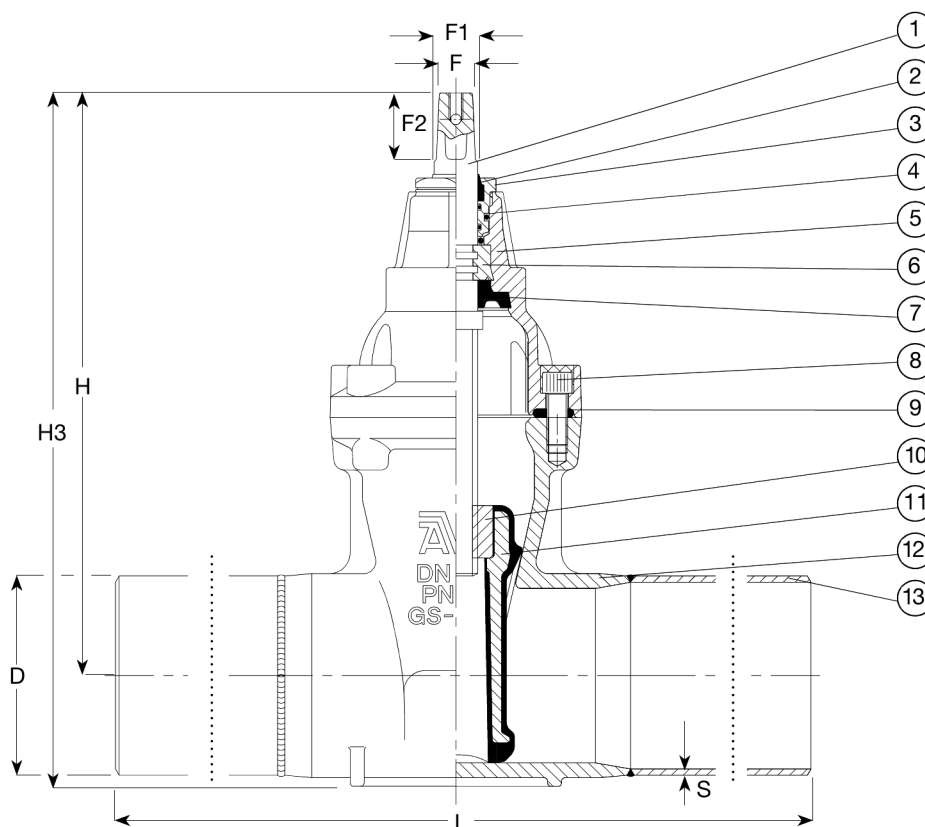


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The designs, materials and specifications shown are subject to change without notice. This is due to the continuous development of our product programme.

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**Component list:**

1. Stem	Stainless steel 1.4104 (430F)	8. Bonnet bolt	Stainless steel A2, sealed with hot melt
2. Wiper ring	NBR rubber	9. Bonnet gasket	NBR rubber
3. Stem seal nut	Brass, DZR CW602N	10. Wedge nut	Brass, DZR CW626N
4. O-ring	NBR rubber	11. Wedge	Ductile iron, NBR encapsulated
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	12. Body	Cast steel GP240GH+N
6. Thrust collar	Brass, DZR CW602N	13. Welding end	Steel P235GH
7. Manchette	NBR rubber		

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

**Reference nos. and dimensions:**

AVK ref. no.	DN	D	Product	PED PS	H	H3	L	F	F1	F2	S	Theoretical weight/kg
	mm	mm	PN Class	bar	mm	mm	mm	mm	mm	mm	mm	
46-050-70-01237	50	60,3	PN16	16	246	284	570	14	16	29	2,9	9.2
46-080-70-01237	80	88,9	PN16	16	302	356	550	17	20	34	3,2	15
46-100-70-01237	100	114,3	PN16	16	334	398	520	19	22	38	3,6	19
46-150-70-01237	150	168,3	PN16	16	543	633	530	19	22	38	4,5	36
46-200-70-01237	200	219,1	PN16	15	567	685	570	24	28	42	6,3	72
46-250-70-01237	250	273	PN16	12	664	811	590	27	31	47	6,3	91
46-300-70-01337	300	323,9	PN16	10	740	911	620	27	31	47	7,1	130

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