



AVK GATE VALVE, LONG SPIGOT ENDS, PN16

46/70-010

For gas steel pipes, external PUR, replaceable stem sealing, NBR, DN50-600

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, with external PUR. 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
- 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.
- Full circle thrust collar provides fixation of the stem and low free running torques
- Round NBR bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torques
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901, PUR according to EN 10290 type 2, class B for extra cathodic protection externally
- DN 500-600 are fitted with stainless steel roller bearings and external polyamide wedge shoes providing low operating torques. Furthermore, with ISO top flange F14 and eye lifting bolts.

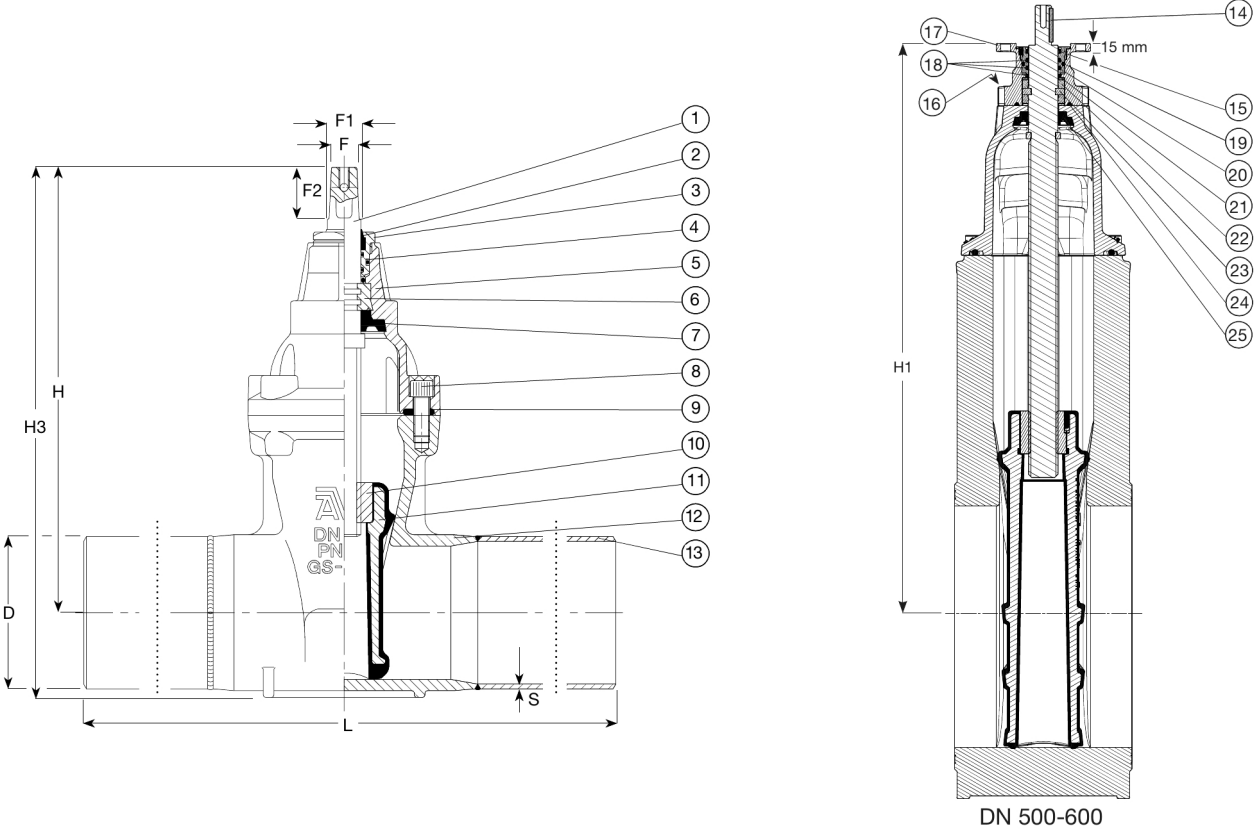
Accessories:

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)	14. Key	Stainless steel A2
2. Wiper ring	NBR rubber	15. Wiper ring	NBR rubber
3. Stem seal nut	Brass, DZR CW602N	16. Bolt	Stainless steel A2
4. O-ring	NBR rubber	17. Gland flange	Ductile iron
5. Bonnet	Ductile iron GJS-500-7 (GGG-50)	18. O-ring	NBR rubber
6. Thrust collar	Brass, DZR CW602N	19. O-ring	NBR rubber
7. Manchette	NBR rubber	20. Stem seal nut	Brass, DZR CW602N
8. Bonnet bolt	Stainless steel A2, sealed with hot melt	21. Thrust washer	Stainless steel 1.4104 (430F)
9. Bonnet gasket	NBR rubber	22. Roller bearing	Stainless steel
10. Wedge nut ⁽¹⁾	Brass, DZR CW626N	23. Thrust collar	Stainless steel 1.4104 (430F)
11. Wedge	Ductile iron, NBR encapsulated	24. O-ring	NBR rubber
12. Body	Cast steel GP240GH+N	25. Sleeve	NBR rubber
13. Welding end	Steel P235GH		

Components may be substituted with equivalent or higher class materials without prior notification.
1) DN450-600: SILICON BRASS, DZR CW724R

Reference nos. and dimensions:

AVK ref. no.	DN	D	Product	PED PS	H	H1	H3	L	F	F1	F2	S	Theoretical weight/kg
	mm	mm	PN Class	bar	mm	mm	mm	mm	mm	mm	mm	mm	
46-050-70-01280	50	60,3	PN16	16	241	-	279	570	14	16	29	2,9	13
46-080-70-01280	80	88,9	PN16	16	297	-	350	550	17	20	34	3,2	16
46-100-70-01280	100	114,3	PN16	16	334	-	398	520	17	20	38	3,6	20
46-150-70-01280	150	168,3	PN16	16	448	-	538	530	19	22	38	4,5	38
46-200-70-01280	200	219,1	PN16	15	562	-	680	570	24	28	42	6,3	63
46-250-70-01280	250	273	PN16	12	664	-	811	590	27	31	47	6,3	92
46-300-70-01380	300	323,9	PN16	10	740	-	911	620	27	31	47	7,1	149
46-400-70-01380	400	406,4	PN16	14	939	-	1139	676	32	37	55	8,8	199
46-500-70-01380	500	508	PN16	7.5	1133	1188	1446	726	30	-	75	11,0	526

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AVK ref. no.	DN mm	D mm	Product PN Class	PED PS bar	H mm	H1 mm	H3 mm	L mm	F mm	F1 mm	F2 mm	S mm	Theoretical weight/kg
46-600-70-01380	600	610	PN16	7.5	1276	1205	1646	776	30	-	75	12,5	750