

AVK gate valves are designed with built-in safety in every detail. 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, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability

Product Description:

Flanged gate valve for wastewater treatment to max. 70° C

Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to EN 1171
- Face to face according to EN 558 table 2 basic series 14
- Standard flange drilling to EN1092 (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). Operating torque test.
- Approved for wastewater / pressure test EN1074

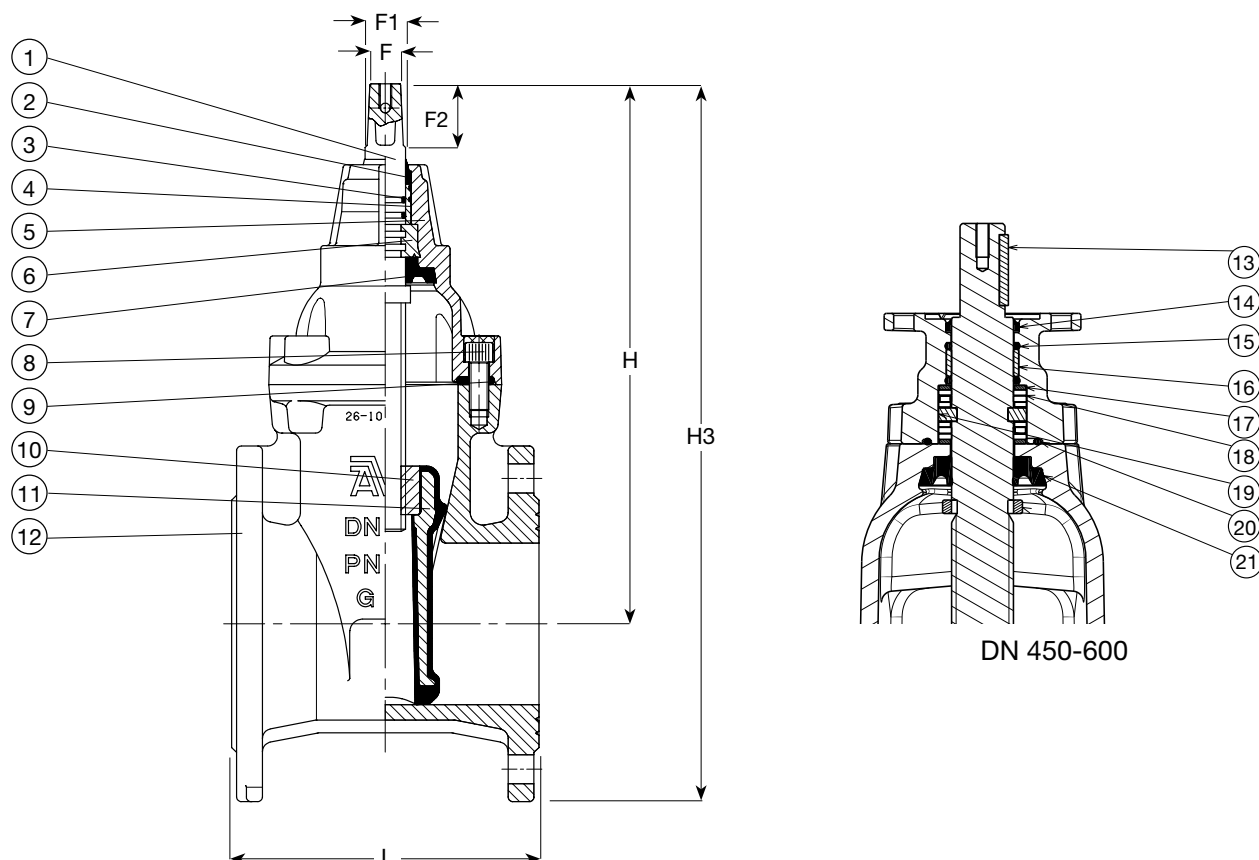
Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Fully vulcanized wedge with guide rails and a large conical stem hole
- Stem of acid-resistant stainless steel with wedge stop and rolled threads for high strength
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings, and an NBR rubber manchette
- Round NBR bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Epoxy coating to DIN 30677-2 and AVK guidelines
- DN 450-600 are fitted with stainless steel roller bearings and external polyamide wedge shoes providing low operating torques. Furthermore, with ISO top flange and eye lifting bolts.

Accessories:

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




Component List:

1. Stem	Acid-resistant stainless steel AISI 316	2. Wiper ring	NBR rubber
3. O-ring	NBR rubber	4. Bearing	Polyamide
5. Bonnet	Ductile iron, min. GJS-400-15 (GGG-40)	6. Thrust collar	Dezincification resistant brass
7. Manchette	NBR rubber	8. Bonnet bolt	Stainless steel A2, sealed with hot melt
9. Bonnet gasket	NBR rubber	10. Wedge nut	Dezincification resistant brass
11. Wedge	Ductile iron with NBR rubber	12. Body	Ductile iron, min. GJS-400-15 (GGG-40)
13. Key	Stainless steel	14. Wiper ring	NBR rubber
15. O-ring	NBR rubber	16. Bearing	Polyamide
17. Thrust washer	Stainless steel AISI 430	18. Roller bearing	Stainless steel
19. Thrust collar	Stainless steel AISI 430	20. O-ring	NBR rubber
21. Manchette	EPDM rubber		

Components can be substituted with equivalent or higher class materials.

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	H3 mm	F mm	F1 mm	F2 mm	Theoretical weight kg
06-040-84-013	40	PN10/16	140	241	316	14	17	29	10.1
06-050-84-013	50	PN10/16	150	241	324	14	17	29	11.0
06-065-84-013	65	PN10/16	170	271	364	17	20	34	14.0
06-080-84-013	80	PN10/16	180	297	444	17	20	34	18.0
06-100-84-013	100	PN10/16	190	334	444	19	22	38	23.0
06-125-84-013	125	PN10/16	200	376	501	19	22	38	31.0
06-150-84-013	150	PN10/16	210	448	591	19	22	38	46.0
06-200-84-003	200	PN10	230	562	732	24	28	42	65.0
06-200-84-013	200	PN16	230	562	732	24	28	42	65.0
06-250-84-003	250	PN10	250	664	864	27	31	47	102.0
06-250-84-013	250	PN16	250	664	864	27	31	47	102.0
06-300-84-003	300	PN10	270	740	968	27	31	47	149.0
06-300-84-013	300	PN16	270	740	968	27	31	47	149.0
06-350-84-003	350	PN10	290	930	1190	32	37	55	220.0
06-350-84-013	350	PN16	290	930	1190	32	37	55	220.0

For further details see section "Technical Information".

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

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	H3 mm	F mm	F1 mm	F2 mm	Theoretical weight kg
06-400-84-003	400	PN10	310	960	1248	32	37	55	240.0
06-400-84-013	400	PN16	310	960	1248	32	37	55	240.0
06-450-84-003 ⁽¹⁾	450	PN10	330	1170	1487	30	-	75	487.0
06-450-84-013 ⁽¹⁾	450	PN16	330	1170	1487	30	-	75	487.0
06-500-84-003 ⁽¹⁾	500	PN10	350	1140	1500	30	-	75	519.0
06-500-84-013 ⁽¹⁾	500	PN16	350	1140	1500	30	-	75	519.0
06-600-84-003 ⁽¹⁾	600	PN10	390	1290	1705	30	-	75	722.0
06-600-84-013 ⁽¹⁾	600	PN16	390	1290	1705	30	-	75	722.0

⁽¹⁾ With F14 top flange