



AVK FLANGED GATE VALVE, PN 10/16

02/70

For gas, DIN F5, NBR wedge, CTC

003

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:

Flanged gate valve for gas -20°C to +60°C

Standards:

- Designed according to EN 13774
- Face to face 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 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 ÖVGW Certificate G 2.711
- Approved according to SVGW Certificate No. 08-068-5
- Approved according to KIWA Certificate 65139/02

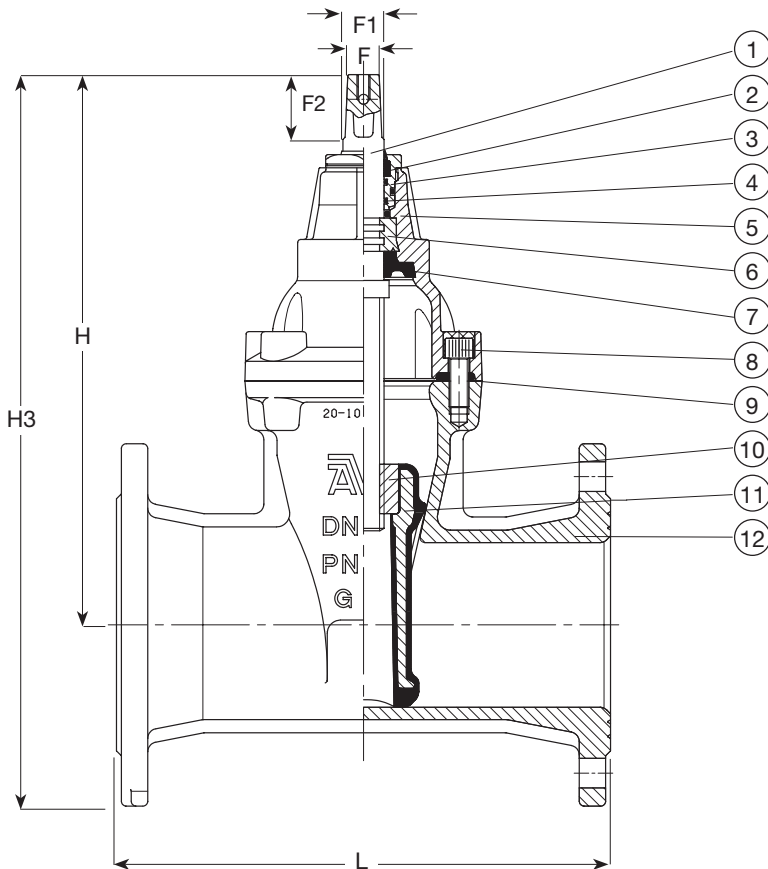
Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Fully vulcanized wedge with guide rails, integrated wedge shoes and a large conical stem hole
- 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
- Epoxy coating to DIN 30677-2 and AVK guidelines

Accessories:

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





Component List:

1. Stem	Stainless steel min. 13% Cr	2. Wiper ring	NBR rubber
3. Stem seal nut	Dezincification resistant brass	4. O-ring	NBR rubber
5. Bonnet	Ductile iron, GJS-500 (GGG-50)	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, GJS-500 (GGG-50)

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

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	H3 mm	F mm	F1 mm	F2 mm	Theoretic. weight kg
02-040-70-01237	40	PN10/16	240	241	316	14	17	29	11
02-050-70-01237	50	PN10/16	250	241	324	14	17	29	12
02-065-70-01237	65	PN10/16	271	271	364	17	20	34	15
02-080-70-01237	80	PN10/16	280	297	397	17	20	34	19
02-100-70-01237	100	PN10/16	300	334	444	19	22	38	25
02-125-70-01237	125	PN10/16	325	376	501	19	22	38	33
02-150-70-01237	150	PN10/16	350	448	598	19	22	38	49
02-200-70-00237	200	PN10	400	562	732	24	28	42	70
02-200-70-01237	200	PN16	400	562	732	24	28	42	70
02-250-70-00237	250	PN10	450	664	864	27	31	47	110
02-250-70-01237	250	PN16	450	664	864	27	31	47	110
02-300-70-00237	300	PN10	500	740	968	27	31	47	160
02-300-70-01237	300	PN16	500	740	968	27	31	47	160
02-350-70-00237 ⁽¹⁾	350	PN10	550	940	1200	32	37	55	320
02-350-70-01237 ⁽¹⁾	350	PN16	550	940	1200	32	37	55	320
02-400-70-00237	400	PN10	600	940	1228	32	37	55	330

The designs, materials and specifications shown are subject to change without notice. This is 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	Theoretic. weight kg
02-400-70-01237	400	PN16	600	940	1228	32	37	55	330
02-500-70-00237 ⁽²⁾	500	PN10	700	951	1309	32	37	55	417
02-500-70-01237 ⁽²⁾	500	PN16	700	951	1309	32	37	55	417

⁽¹⁾ Valve having an increased bore (400 mm)
⁽²⁾ Valve having a reduced bore (400 mm)