

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:

Flanged gate valve to BS EN 1074-2 / BS 5163- for drinking water and neutral liquids to max. 70° C

Standards:

- Designed according to EN 1074 - 2 Annex B (BS5163/Type B)
- Face to face according to EN 558 table 2 Basic Series 3
- 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 according to WRAS

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 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 two EPDM O-rings, and another EPDM O-ring
- O-ring stem seals replaceable under pressure
- 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
- Blue fusion bonded epoxy GSK approved

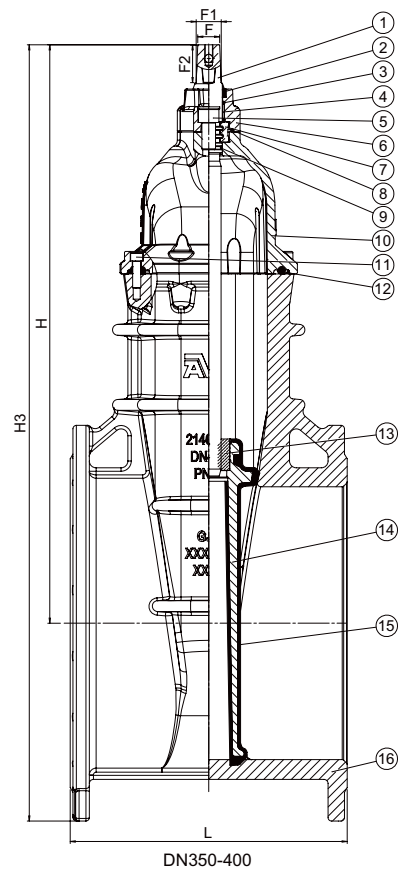
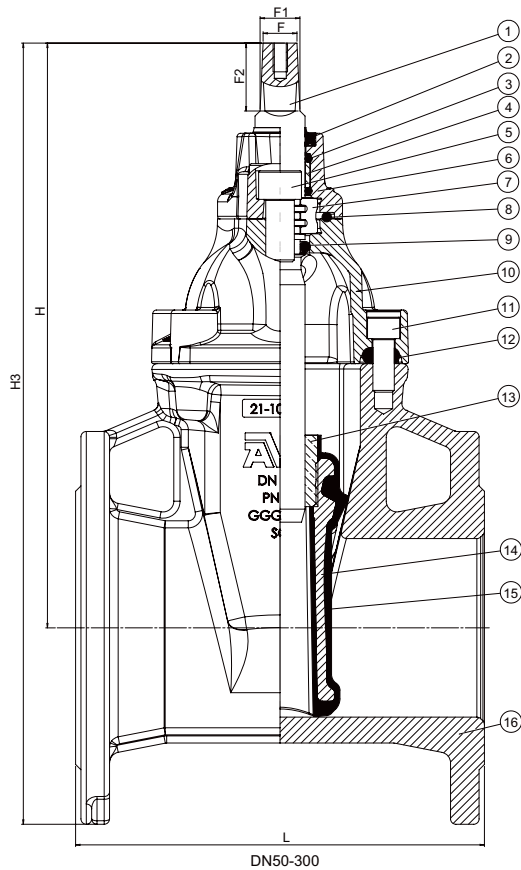
Accessories:

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



DN50-300

DN350-400



Component List:

1. Stem	Stainless steel AISI 420	2. Wiper ring	NBR rubber
3. O-ring	EPDM rubber	4. Bushing	Polyamide
5. Gland bolt	Zinc plated steel, sealed with hot melt	6. Gland flange	Ductile iron, EN-GJS-500-7(GGG-50)
7. Thrust collar	Dezincification resistant brass	8. O-ring	EPDM rubber
9. O-ring	EPDM rubber	10. Bonnet	Ductile iron, EN-GJS-500-7(GGG-50)
11. Bonnet bolt	Zinc plated steel, sealed with hot melt	12. Bonnet gasket	EPDM rubber
13. Wedge nut	Dezincification resistant brass	14. Wedge core	Ductile iron
15. Wedge rubber	EPDM rubber	16. Body	Ductile iron, EN-GJS-500-7(GGG-50)

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
21-050-50-0140064	50	PN10/16	178	281	364	19	22	38	14.0
21-065-50-0140064	65	PN10/16	190	288	382	19	22	38	16.0
21-080-50-0140064	80	PN10/16	203	296	397	19	22	38	17.0
21-100-50-0140064	100	PN10/16	229	328	440	19	22	38	22.0
21-150-50-0140064	150	PN10/16	267	432	576	24	28	42	40.0
21-200-50-0040064	200	PN10	292	561	733	27	31	47	55.0
21-200-50-0140064	200	PN16	292	561	733	27	31	47	55.0
21-250-50-0040064	250	PN10	330	604	806	27	31	47	84.0
21-250-50-0140064	250	PN16	330	604	806	27	31	47	84.0
21-300-50-0040064	300	PN10	356	682	911	27	31	47	122.0
21-300-50-0140064	300	PN16	356	682	911	27	31	47	122.0
21-350-50-0040064	350	PN10	381	821	1074	32	37	55	182.0
21-350-50-0140064	350	PN16	381	821	1088	32	37	55	214.0
21-400-50-0040064	400	PN10	406	848	1131	32	37	55	192.0
21-400-50-0140064	400	PN16	406	848	1138	32	37	55	221.0