



AVK FLANGED GATE VALVE, PN 10/16, CTC

02/20

DN50-400, WRAS approved rubber, 1.4104 stem, FZV bolts

022

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 for drinking water and neutral liquids to max. 70°C

Standards:

- Designed according to EN 1074 part 1 & 2
- Face to face according to EN 558 Table 2 Basic Series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266.
- Seat: 1.1×PN(in Bar), Body: 1.5×PN(in Bar). Operation to rupture test

Features:

- Fixed, integral wedge nut prevents vibration and ensures durability.
- The ductile iron core is fully vulcanized with drinking water approved EPDM rubber, no iron parts are exposed to the medium and the excellent rubber vulcanization prevents creeping corrosion underneath the rubber.
- Guides in the wedge and on the valve body ensure a uniform closure, safe operation ensured as the guides prevent overloading of the stem.
- The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities can't collect and cause contamination.
- Stainless steel stem with rolled threads for high strength.
- Full circle brass thrust collar provides fixation of the stem and low friction running to rings.
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings, and an EPDM rubber manchette which acts as the main hydraulic seal to the flow.
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges.
- Countersunk and sealed bonnet bolts enclosed by the bonnet gasket, thus there is no risk of corrosion.
- Full bore.
- Epoxy coating to DIN 30677-2, GSK approved.

Accessories:

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



Expect... **AVR**

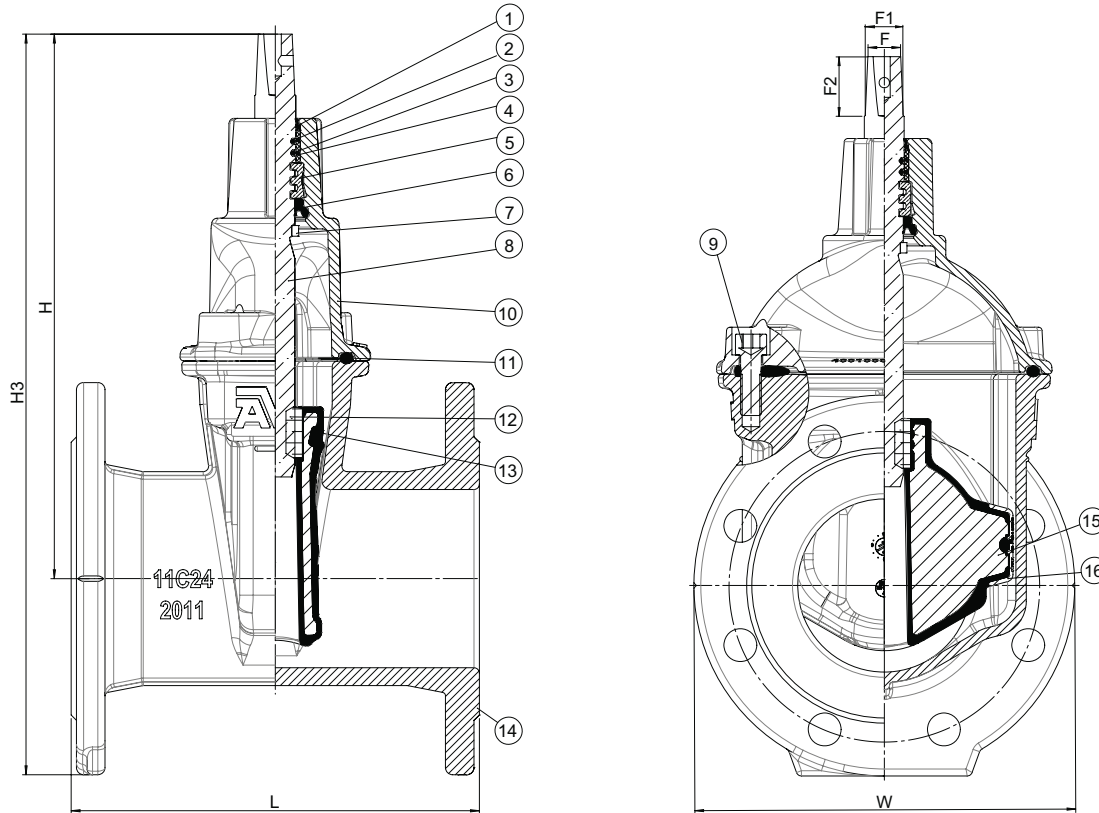
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Component List:

1. Wiper ring	NBR rubber	2. O-ring	NBR rubber
3. O-ring	NBR rubber	4. Bushing	Polyamide
5. Thrust collar	Dezincification resistant brass	6. Manchette	EPDM rubber
7. Stop ring	Stainless steel	8. Stem	Stainless steel 1.4104
9. Bonnet bolt	FZV 8.8, sealed with hot melt	10. Bonnet	Ductile iron, EN-GJS-500-7(GGG-50)
11. Bonnet gasket	EPDM rubber	12. Wedge nut	Dezincification resistant brass
13. Wedge rubber	EPDM rubber	14. Body	Ductile iron, EN-GJS-500-7(GGG-50)
15. Wedge core	Ductile iron	16. Wedge shoe	Polyamide

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	W mm	Theoretic. weight kg
02-050-20-01464901	50	PN10/16	178	208	290	14	17	29	165	10
02-065-20-01464901	65	PN10/16	190	245	337	17	20	34	185	12
02-080-20-01464901	80	PN10/16	203	282	382	17	20	34	200	15
02-100-20-01464901	100	PN10/16	229	305	415	19	22	34	220	17
02-125-20-01464901	125	PN10/16	254	346	471	19	22	34	250	23
02-150-20-01464901	150	PN10/16	267	401	543	19	22	34	285	32
02-200-20-00464901	200	PN10	292	490	660	24	27	34	340	50
02-200-20-01464901	200	PN16	292	490	660	24	27	34	340	50
02-250-20-00464901	250	PN10	330	618	818	27	30	40	422	82
02-250-20-01464901	250	PN16	330	618	818	27	30	40	422	82
02-300-20-00464901	300	PN10	356	702	929	27	30	40	455	116
02-300-20-01464901	300	PN16	356	702	929	27	30	40	455	116
02-350-20-00464901	350	PN10	381	924	1177	32	37	55	564	183
02-350-20-01464901	350	PN16	381	924	1191	32	37	55	564	216
02-400-20-00464901	400	PN10	406	951	1234	32	37	55	565	194
02-400-20-01464901	400	PN16	406	951	1241	32	37	55	580	223

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.