



AVK DUCTILE IRON GATE VALVE, PN10/16

21/36-101

EPDM rubber, stainless steel stem, A2 bolts, DN50-400

The AVK series 21 are flanged, resilient seat gate valves with replaceable stem seal designed to the heavy duty BS5163 Type B standard for use in systems with water, sewage, or other neutral liquids.

Product description:

Resilient seat gate valve for water and waste water to max. 70° C and max 10% solid matter.

Standards:

- Designed according to BS5163 Type B, Designed according to EN 1074 part 1 & 2
- Face-to-face dimension 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 x PN. Body: 1.5 x PN.
- Approved according to WRAS

Features:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Stem seal replaceable under pressure
- 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
- The wedge has a large through bore and as there are no hollows in the core, stagnant water or impurities cannot 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 free running torques
- Double stem seal: a replaceable polyamide bearing with two O-rings and an O-ring on the stem
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges
- Bonnet bolts encircled by the bonnet gasket to protect against contact with the fluid and against corrosion
- Fusion bonded epoxy coating acc. to GSK, blue RAL 5017
- Bonnet and gland bolts sealed with hot-melt for protection against corrosion

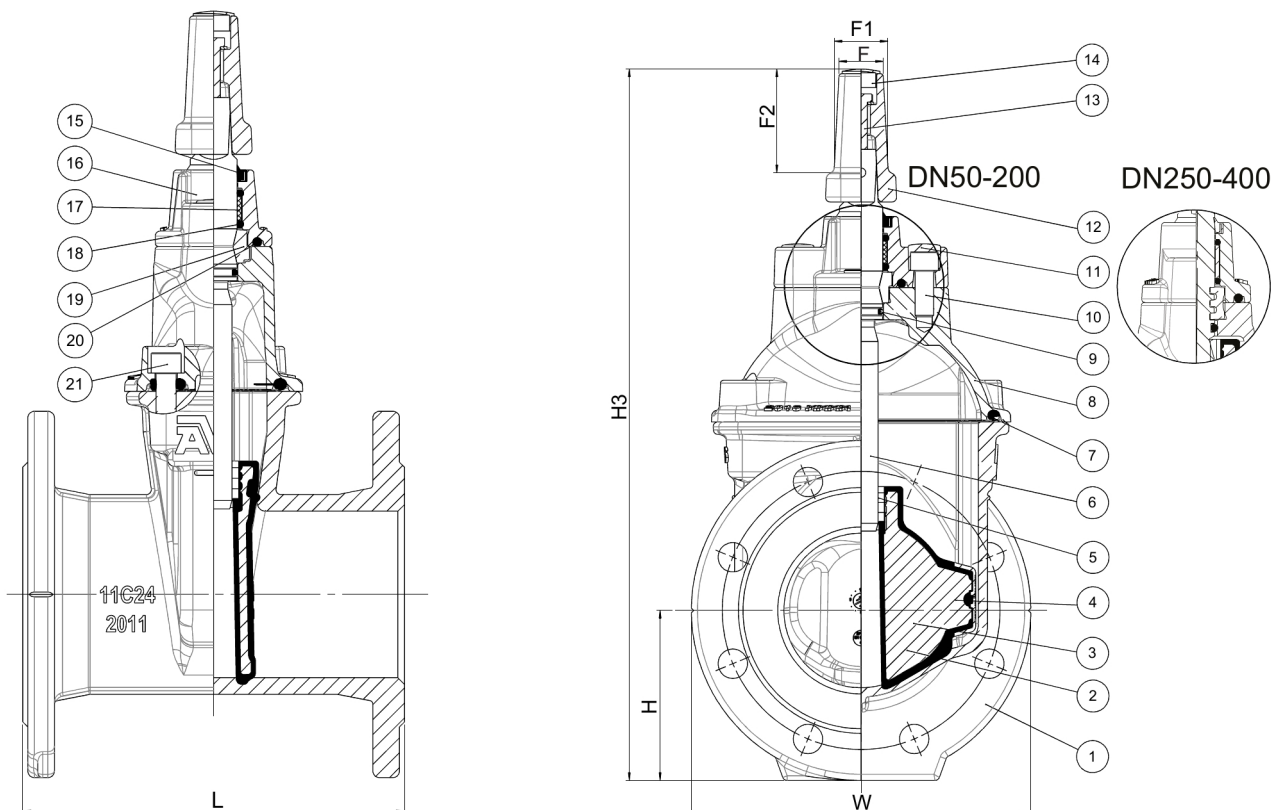
Accessories:

Hand wheel, extension spindle, flange adaptors and dismantling joints



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



Component list:

1. Body	Ductile iron GJS-500-7 (GGG-50)	10. Bolt	Stainless steel A2
2. Wedge rubber	EPDM rubber	11. Cover	Hot melt glue
3. Wedge core	Ductile iron GJS-500-7 (GGG-50)	12. Wiper ring	NBR rubber
4. Wedge shoe	Polyamide	13. Gland flange	Ductile iron GJS-500-7 (GGG-50)
5. Wedge nut	Brass, DZR CW626N	14. Radial bearing	Polyamide
6. Stem	Stainless steel 1.4021 (420)	15. O-ring	EPDM rubber
7. Bonnet gasket	EPDM rubber	16. Thrust collar	Brass, DZR CW724R, low lead
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	17. O-ring	EPDM rubber
9. O-ring	EPDM rubber	18. Bolt	Stainless steel A2

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

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Reference nos. and dimensions:

AVK ref. no.	DN mm	Flange drilling	L mm	W mm	H mm	H3 mm	F1 mm	Theoretical weight/kg
21-050-36-21420641	50	PN10/16	178	173	268	178	19	13.6
21-065-36-21420641	65	PN10/16	190	185	269	422	19	15.6
21-080-36-21420641	80	PN10/16	203	200	277	437	19	17
21-100-36-21420641	100	PN10/16	229	220	298	469	19	19
21-150-36-21420641	150	PN10/16	267	285	388	591	19	34
21-200-36-20420641	200	PN10	292	340	475	705	19	52
21-200-36-21420641	200	PN16	292	340	475	705	19	52
21-250-36-20420641	250	PN10	330	422	582	872	27	85
21-300-36-20420641	300	PN10	356	455	665	983	27	117
21-300-36-21420641	300	PN16	356	455	665	983	27	116
21-350-36-20420641	350	PN10	381	564	821	1186	32	179
21-350-36-21420641	350	PN16	381	564	821	1200	32	212
21-400-36-20420641	400	PN10	406	564	848	1243	32	189
21-400-36-21420641	400	PN16	406	564	848	1250	32	217

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