



## AVK DUCTILE IRON GATE VALVE, PN16

21/36

EPDM rubber, stainless steel stem, DN 50-400

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 according to EN 558 Table 2 Basic Series 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

### Test/Approvals:

- Seat: 1.1 x PN. Body: 1.5 x PN.
- WRAS approved materials

### 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



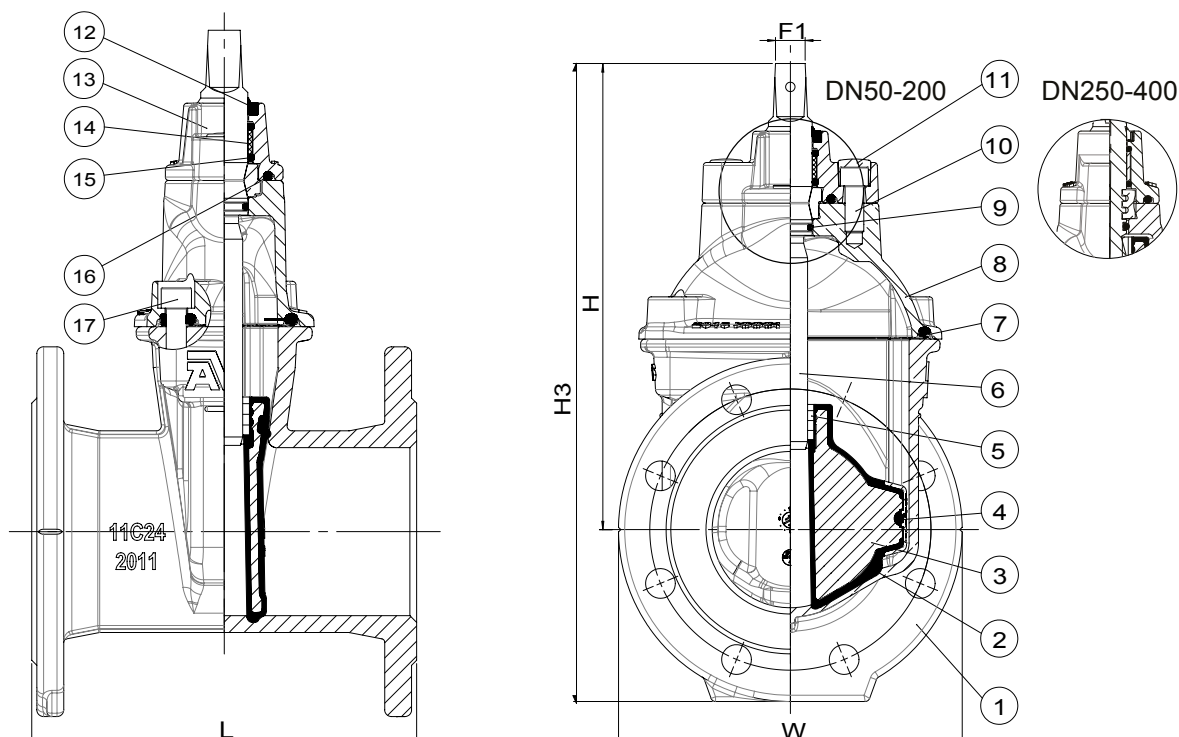
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The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

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Name of the manufacturer: AVK Valves (Anhui) Co., Ltd.

Full address of the factory: Wujiang Industry Park, Hexian Maanshan City Anhui Province P.R.China

**AVK DUCTILE IRON GATE VALVE, PN16****21/36****EPDM rubber, stainless steel stem, DN 50-400****Component list:**

1. Body	Ductile iron GJS-500-7 (GGG-50)	10. Bolt	Steel gr. 8.8, zinc plated/Stainless Steel A4
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 1.4021/1.4401	15. O-ring	EPDM rubber
7. Bonnet gasket	EPDM rubber	16. O-ring	EPDM rubber
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	17. Bolt	Steel gr. 8.8, zinc plated/Stainless Steel A4
9. O-ring	EPDM rubber		

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

**Reference nos. and dimensions:**

DN mm	Flange drilling	L mm	W mm	H mm	H3 mm	F1 mm	Turns to open	Theoretical weight / kg
50	PN16	178	173	268	351	19	5	13
65	PN16	190	185	269	362	19	6	15
80	PN16	203	200	277	377	19	8	16
100	PN16	229	220	298	408	19	9	18
150	PN16	267	285	388	531	19	14	33
200	PN16	292	340	475	645	19	18	51
250	PN16	330	422	582	782	27	21	82
300	PN16	356	455	665	893	27	25	114
350	PN16	381	564	821	1088	32	29	209
400	PN16	406	580	848	1138	32	33	214

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