



## AVK GATE VALVE FOR ACTUATION

21/37-001

### PN10/16, CTC/CTO, scalloped flanges

The 21/37 valve is a resilient seated gate valve with an ISO F10/ F14 mounting gland flange for the safe and cost effective fitting of gearboxes and actuators. For isolation purposes suitable for use with water and neutral liquids (sewage) with replaceable stem seal designed to the heavy duty BS5163 Type B standard. Scalloped flanges.

#### Product description:

Resilient seated gate valve with ISO mounting flange for water and waste water. Temperature range: -10° C to +70° C. Mounting: F10 upto and incl DN150, F10/F14 dual drilled for DN200.

#### Design standards:

- BS5163 Type B, EN 1074 part 1 & 2
- Face-to-face dimension according to EN 558 Table 2 Basic Series 3
- Flange drilling to EN1092, PN10/16
- WIMES 8.09 Compliant

#### Test/Approvals:

- Hydraulic tested to: 1.5 x PN
- Seat: 1.1 x PN. Body: 1.5 x PN
- WRAS approved materials
- Drinking Water Inspectorate Regulation 31 compliant

#### Features:

- Fixed, integral wedge nut prevents vibration and ensures durability.
- Scalloped Flanges.
- ISO F10/F14, mounting gland flange for the safe and cost effective fitting of gearboxes and actuators
- 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 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 free running torques
- Double safety stem seal: a polyamide bearing with two O-rings, and another O-ring on stem, which prevents leakage when exchanging stem seals under pressure
- Round bonnet gasket fixed in a recess groove in bonnet preventing it from being blown out by pressure surges
- Countersunk and sealed bonnet bolts encircled by the bonnet gasket, thus there is no risk of corrosion
- Blue fusion bonded epoxy coating acc. to WIS 4-52-01 – Class B
- Body, bonnet and gland bolts sealed with hot-melt.
- Embodied carbon data available upon request

#### Accessories:

Electric actuation, bevel or spur gearboxes



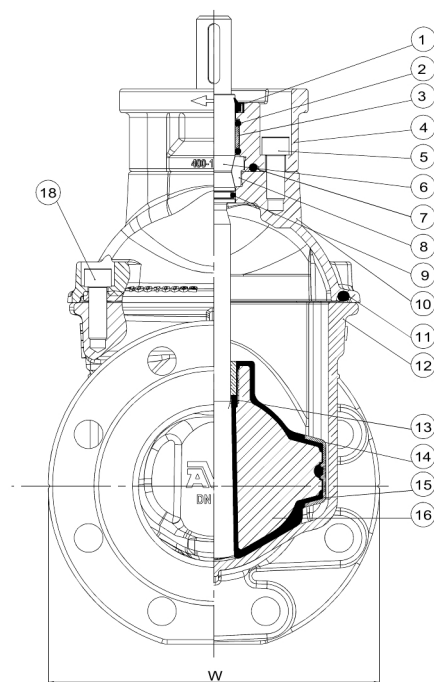
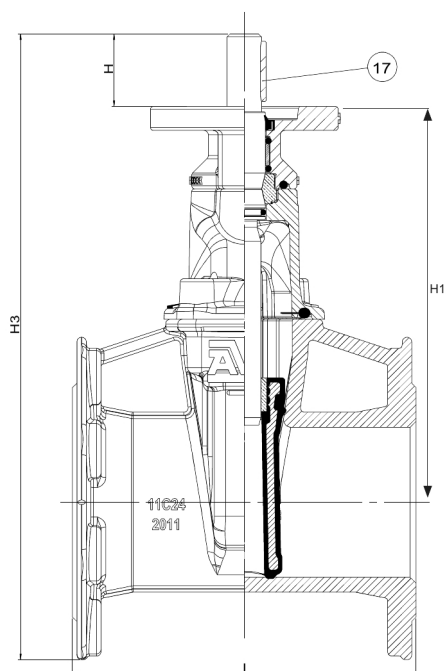
Expect... **AVR**

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

# AVK GATE VALVE FOR ACTUATION

PN10/16, CTC/CTO, scalloped flanges

21/37-001



## Component list:

1. Wiper ring	NBR rubber	10. Bonnet	Ductile iron GJS-500-7 (GGG-50)
2. O-ring	NBR rubber	11. Bonnet gasket	EPDM rubber
3. Bearing shell	Polyamide	12. Body	Ductile iron GJS-500-7 (GGG-50)
4. Actuator flange	Ductile iron GJS-500-7 (GGG-50)	13. Wedge nut	Brass DZR
5. Bolt	Steel, zinc plated	14. Wedge shoe	Polyamide
6. Stem	Stainless steel 1.4021	15. Wedge rubber	EPDM rubber
7. O-ring	EPDM rubber	16. Wedge core	Ductile iron GJS-500-7 (GGG-50)
8. Thrust collar	Brass DZR	17. Key	Stainless steel
9. O-ring	EPDM rubber	18. Bonnet bolt	Steel, zinc plated

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

## Reference nos. and dimensions:

AVK ref. no.	DN mm	Flange drilling	Operating Direction	L mm	W mm	H mm	H1 mm	H3 mm	Actuator flange	Theoretical weight/kg
21-050-37-0140069	50	PN10/16	CTC	178	165	47	245	374	F10	15
21-080-37-0140069	80	PN10/16	CTC	203	200	47	244.8	387	F10	16
21-100-37-0140069	100	PN10/16	CTC	229	220	48	264	417	F10	18
21-150-37-0140069	150	PN10/16	CTC	267	285	49	350	534	F10	32
21-200-37-0140069	200	PN16	CTC	292	340	48	438.3	652	F10/14	50

## Comments:

CTO available upon request