



AVK GATE VALVE, FLANGED, UL/FM, ANSI CLASS 150, OS&Y, PN16

55/2P-004

Bosses for by-pass, B16.10/125, Al/Ni-bronze stem, A4 bolts, EPDM, 250µm red EP coating, handwheel

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, featuring an outstanding durability due to the ability of the rubber to regain its original shape combined with a double bonding vulcanization process and a sturdy wedge design. A triple stem sealing system, Al/Ni-bronze stem and the thorough corrosion protection safeguard the unmatched reliability.

Product description:

Gate valve to AWWA C509/515 for water and other neutral liquids including treated waste water free of solids and fibrous impurities to max. 160°F (70°C), pressure rating UL: 200 psi, AWWA/FM: 250 psi

Design standards:

- FM 1120/1130, UL 262
- Face-to-face dimension according to ASME B16.10, table 1, class 125
- Flange drilling to EN1092, PN16

Test/Approvals:

- Seat test 300 psi / 20,7 bar, shell test 400 psi / 27,6 bar, closing torque test, full travel operational test.

Features:

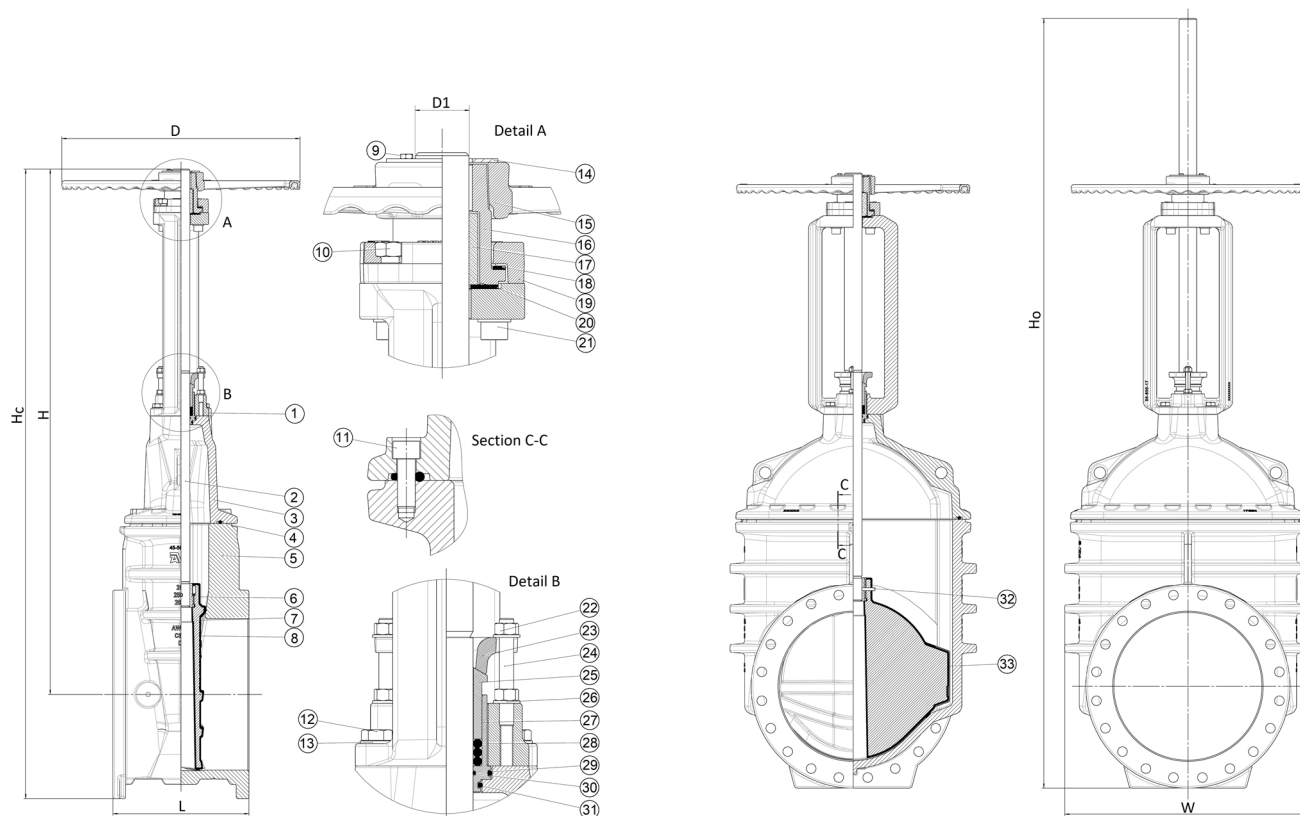
- Wedge and stem firmly connected to prevent vibration, all fully vulcanized in drinking water approved EPDM and fitted with polyamide wedge shoes that protect the rubber and provide low operating torque
- Stem in Al/Ni-bronze with alu-bronze stem nut and brass wedge nut for high corrosion resistance
- Stem seal consisting of three O-rings in series with adjustable compression
- Round bonnet gasket fixed in a recess to avoid blow out
- Counterbored A4-70 stainless steel bonnet bolts encircled by the bonnet gasket and sealed with hot-melt glue
- ISO actuator flange
- Coating in 250 µm red RAL 3000 epoxy
- Installation with horizontal or vertical stem
- Bosses for by-pass
- Rising stem with handwheel gives a clear indication of valve position from a distance
- UL-listed and FM approved

Accessories:

Flange adaptor, combi-flange, supervisory switch



Expect ... **AVR**



Component list:

1. Yoke	Ductile iron A536 65-45-12	18. Thrust bearing	Bronze/PTFE composite
2. Stem	Alu-bronze C63000	19. Bracket	Ductile iron A536 65-45-12
3. Bonnet	Ductile iron A536 65-45-12	20. Thrust bearing	Bronze/PTFE composite
4. Bonnet gasket	NBR rubber	21. Bolt	Stainless steel A4
5. Body	Ductile iron A536 65-45-12	22. Nut	Stainless steel A4
6. Wedge nut	Brass DZR CW602N (CZ132)	23. Gland follower	Ductile iron A536 65-45-12
7. Wedge core	Ductile iron GJS-500-7	24. Bolt	Stainless steel A4
8. Wedge rubber	EPDM rubber	25. Gland	Alu-bronze C95200
9. Bolt	Stainless steel A4	26. Washer	Stainless steel A4
10. Nut	Stainless steel A4	27. Bush	Alu-bronze C95200
11. Bonnet bolt	Stainless steel A4	28. Stem seal O-ring	NBR rubber
12. Nut	Stainless steel A4	29. O-ring	NBR rubber
13. Washer	Stainless steel A4	30. O-ring	NBR rubber
14. Washer	Stainless steel A4	31. O-ring	NBR rubber
15. Handwheel	Ductile iron A536 65-45-12	32. Pin	Stainless steel 1.4401
16. Handwheel hub	Ductile iron A536 65-45-12	33. Wedge shoe	Polyamide
17. Stem nut	Alu-bronze CC331G		

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

Reference nos. and dimensions:

AVK ref. no.	DN	Size	D	D1	H closed	H open	H	L	W	Actuator	Theoretical
	mm	inch	mm	mm	mm	mm	mm	mm	mm	flange	weight/kg
55-450-2P-01620001	450	18	800	60	2056	2535	1738	432	837	F16	728
55-500-2P-01620001	500	20	800	60	2114	2646	1764	457	845	F16	783
55-600-2P-01620001	600	24	800	60	2303	2926	1896	508	977	F16	1049