



**AVK GATE VALVE, FLANGED, OS&Y, UL/FM APPROVED,
PN10/16**

145/56-001

EN 1092, handwheel, A2 bolts, brass stem, 10 mil red RAL 3000

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. With exchangeable stuffing box stem seal, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

Product description:

Flanged gate valve with rising stem - UL/FM approved for fire protection applications to max. 70° C and 250 psi

Standards:

- Designed according to FM 1120/1130, UL 262
- Face-to-face dimension according to ANSI B16.10
- Flange drilling to EN1092, PN10/16

Test/Approvals:

- Hydraulic tests according to FM and UL Standards
- Seat test 375 psi, shell test 500 psi, closing torque test, full travel operational test.
- FM Approved, UL listed

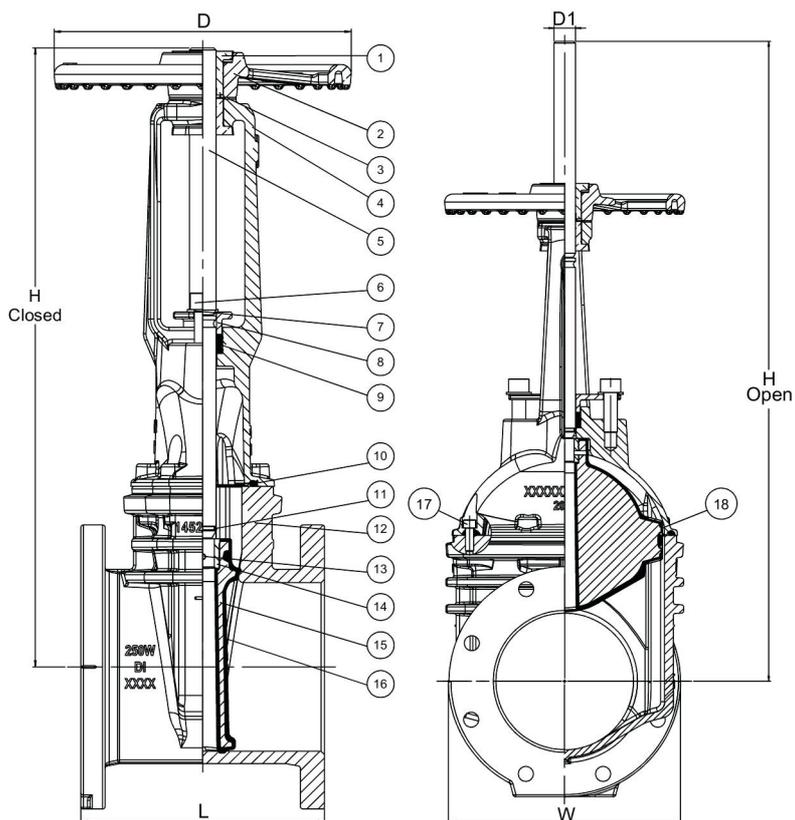
Features:

- Wedge core in ductile iron, fully encapsulated in drinking water approved EPDM in a 2-step vulcanization process that leaves a very strong rubber-iron bond preventing corrosion underneath the rubber. No iron parts are exposed to the water
- Wedge shoes integrated in the rubber
- No hollows or cavities where stagnant water might collect and cause contamination
- Stem of copper alloy C35330
- Gland-follower for re-tightening with three main O-rings
- Round bonnet gasket, fixed in a groove in the bonnet preventing it from being blown out in pressure surges
- Countersunk and hot melt sealed bonnet bolts in stainless steel, encircled by the bonnet gasket preventing contact with the water
- Full bore and clear way
- Low operating torque
- Epoxy coating acc. to DIN 3476, RAL 3000. UV resistant coating on request



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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. Stem nut	Brass DZR	10. Bonnet gasket	EPDM rubber
2. Handwheel	Ductile iron GJS-500-7 (GGG-50)	11. O-ring	NBR rubber
3. Anti friction washer	Copper alloy	12. Body	Ductile iron GJS-500-7 (GGG-50)
4. Bonnet	Ductile iron GJS-500-7 (GGG-50)	13. Pin	Stainless steel A2
5. Stem	Brass DZR C35330 (CW602N)	14. Wedge nut	Brass DZR CW626N
6. Bolt	Stainless steel A2	15. Wedge core	Ductile iron GJS-500-7 (GGG-50)
7. Washer	Stainless steel A2	16. Wedge rubber	EPDM rubber
8. Gland follower	Ductile iron GJS-500-7 (GGG-50)	17. Bonnet bolt	Stainless steel A2
9. Stem seal	NBR rubber	18. Wedge shoe	Polyamide

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

Reference nos. and dimensions:

AVK ref. no.	DN	Flange	L	H open	H closed	W	D	D1	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	mm	mm	
145-065-56-01366120	65	PN10/16	190	401	326	178	180	20	14
145-080-56-01366120	80	PN10/16	203	453	370	191	180	20	18
145-100-56-01366120	100	PN10/16	229	559	450	229	254	25	26
145-150-56-01366120	150	PN10/16	267	748	592	279	305	28	51
145-200-56-00366120	200	PN10	292	958	748	352	356	32	90
145-200-56-01366120	200	PN16	292	958	748	352	356	32	90