



AVK GATE VALVE, FLANGED, NRS, UL/FM APPROVED, PN10/16

145/50-001

EN 1092, wrench nut, A2 bolts, SS stem, 10 mil blue RAL 5017 EP

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. The triple stem seal system, the high strength stem and the thorough corrosion protection safeguard the unmatched reliability.

Product description:

Flanged gate valve with wrench nut - UL/FM approved for fire protection applications to max. 70° C

Standards:

- Designed according to FM 1120/1130, UL 262
- Face-to-face dimension according to ANSI B16.10
- Flange drilling to EN1092, PN16

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:

- Fixed, integral wedge nut prevents vibration and ensures durability
- Wedge fully vulcanized with drinking water approved EPDM rubber and equipped with wedge shoes to provide smooth operation
- Large conical stem hole in the wedge prevents stagnant water
- Wedge and body guide rails ensure stable operation
- Stainless steel stem with rolled threads for high strength
- Full circle thrust collar provides fixation of the stem and low free running torques
- Triple safety stem sealing with an NBR wiper ring, a polyamide bearing with four NBR O-rings, and an EPDM rubber manchette
- Round EPDM bonnet gasket fixed in a recess
- Countersunk and sealed stainless steel bonnet bolts encircled by the bonnet gasket
- Full bore
- Low operating torque
- Fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901

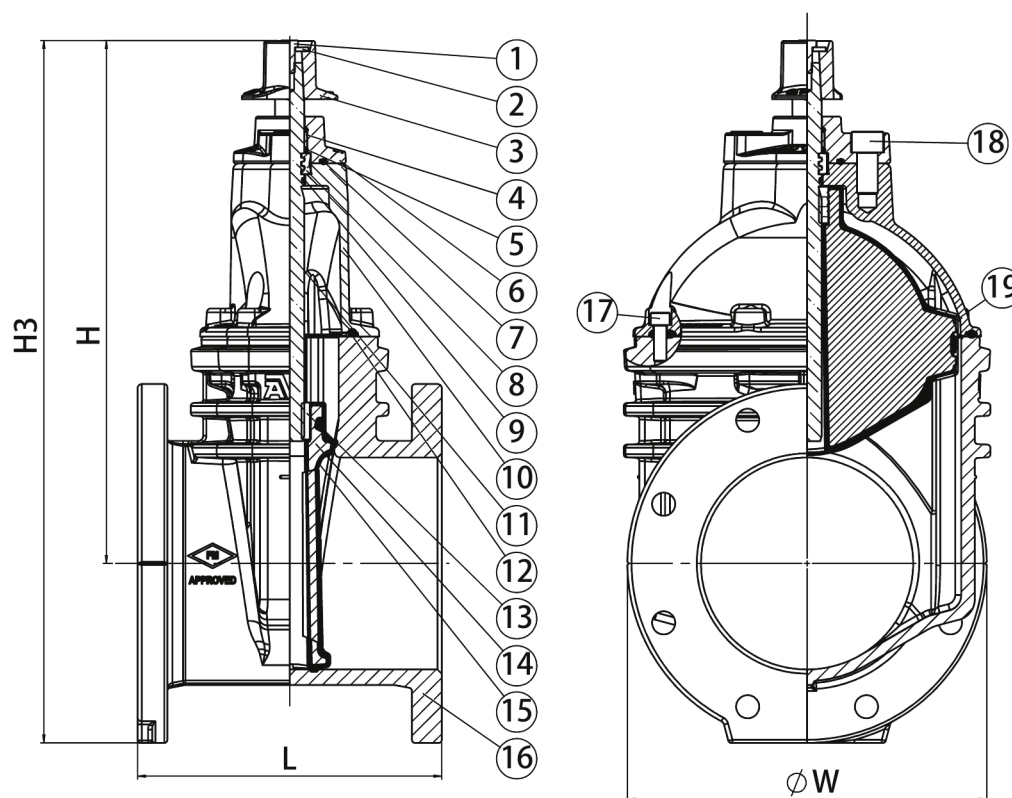
Accessories:

Extension spindle, street cover, flange adaptor and combi-flange



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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. Bolt	Stainless steel A2	11. Stem	Stainless steel 304
2. Washer	Stainless steel A2	12. Bonnet gasket	NBR rubber
3. Wrench nut	Cast iron	13. Wedge nut	Brass DZR CW626N
4. Bearing	Polyamide	14. Wedge core	Ductile iron GJS-500-7 (GGG-50)
5. O-ring	NBR rubber	15. Wedge rubber	EPDM rubber
6. Gland flange	Ductile iron GJS-500-7 (GGG-50)	16. Body	Ductile iron GJS-500-7 (GGG-50)
7. O-ring	NBR rubber	17. Bolt, socket head	Stainless steel A2
8. Thrust collar	Brass DZR CW602N	18. Bolt, socket head	Stainless steel A2
9. O-ring	NBR rubber	19. Wedge shoe	Polyamide
10. Bonnet	Ductile iron GJS-500-7 (GGG-50)		

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

Reference nos. and dimensions:

AVK ref. no.	DN	Flange	L	H	W	H3	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	
145-065-50-01396100	65	PN10/16	190	267	178	356	13
145-080-50-01396100	80	PN10/16	203	304	191	399	17
145-100-50-01396100	100	PN10/16	229	322	229	436	22
145-150-50-01396100	150	PN10/16	267	409	280	549	43
145-200-50-00396100	200	PN10	292	502	352	674	76
145-200-50-01396100	200	PN16	292	502	352	674	76