



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

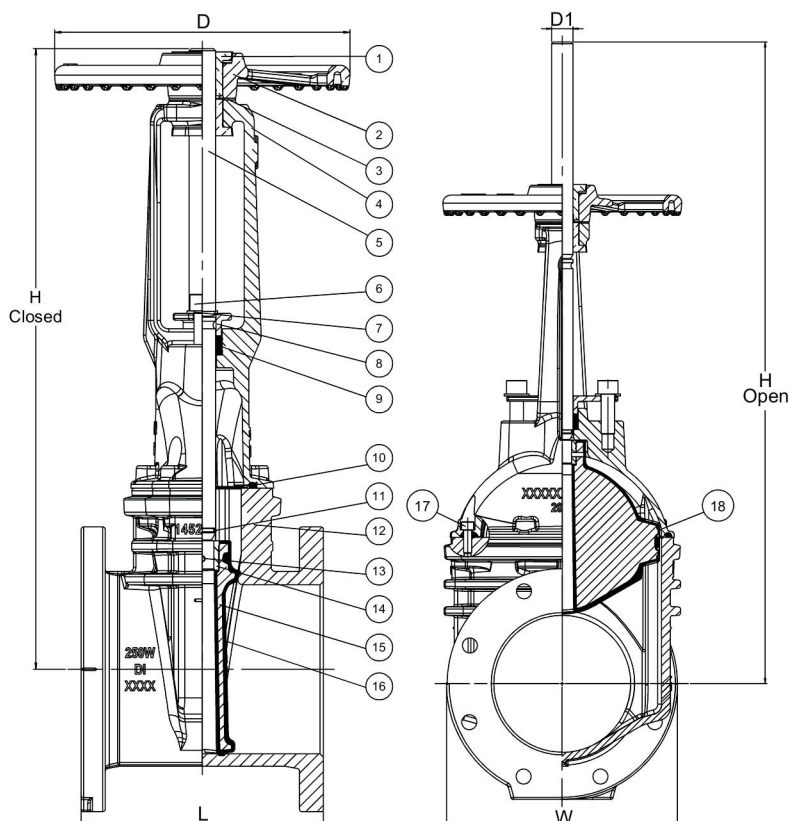
Features:

- 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



Expect... **AVK**

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 mm | Flange drilling | L mm | H open mm | H closed mm | W mm | D mm | D1 mm | Theoretical weight/kg |
|---------------------|----------|--------------------|---------|--------------|----------------|---------|---------|----------|--------------------------|
| 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 |