



AVK METAL SEAT GATE VALVE, EN1092, PN10/16

54/3132-008

Duplex SS stem, alu-bronze seat, A4 bolts, alu-bronze wedge nut, S&C, 300µm FBE/2-pack coating

AVK series 54 gate valves are designed with built-in safety and quality in every detail. The metal valve seat is resistant to high temperatures in the medium and will not deform during long periods of compression. This ensures stable and reliable operation over the long life span of the valve.

Product description:

Metal seat gate valve for neutral liquids like drinking water and treated waste water free from solids and fibrous impurities, max. 70°C. On DN<700 operation is either by manual handwheel/gearbox or by electric actuation; on DN≥700 operation is possible only via gearbox or actuator that is able to support the axial thrust loads.

Design standards:

- EN 1074 part 1 & 2
- Flange drilling to EN1092, PN10/16

Test/Approvals:

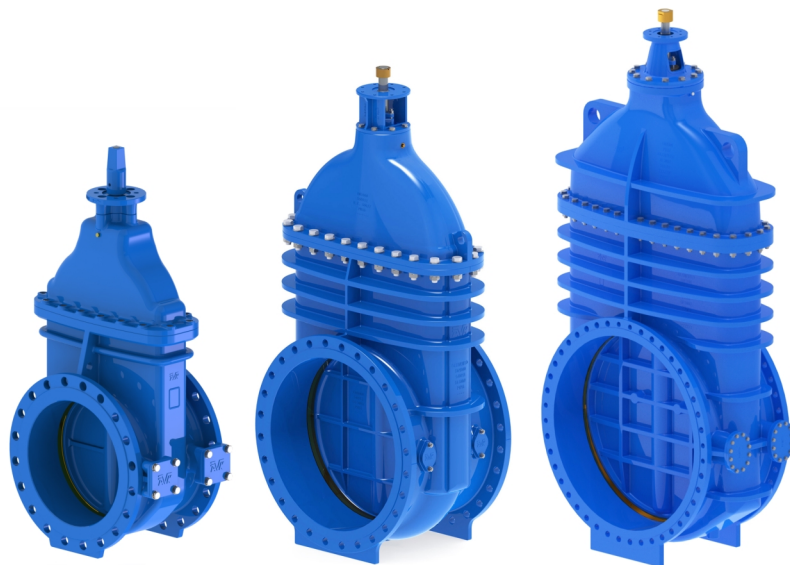
- Hydraulic test according to EN 1074-1 and 2 / EN 12266

Features:

- High strength alu-bronze valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Stem in high grade 1.4462 Duplex stainless steel
- DN350-600 four separate and independent O-ring stem seals
- DN≥700 stuffing box with ample depth gives long life to the PTFE packing
- Round body-bonnet O-cord gasket fixed in a recess to avoid blow-out
- Full bore
- Lifting eyes for easy handling
- All rubber and coating in contact with the water are drinking water approved
- Copper alloy shoes and channels provide low friction guides for the wedge when opening and closing
- Fasteners in A4 stainless steel
- DN 350-1000 protected by 300µm blue fusion bonded epoxy coating
- DN≥1100 protected by 300µm blue 2-pack epoxy coating
- Prepared for by-pass

Accessories:

By-pass valve, handwheel (DN350-600), gearbox, actuator, extension spindle, jacking/easing screw, floor pillar, couplings & support brackets

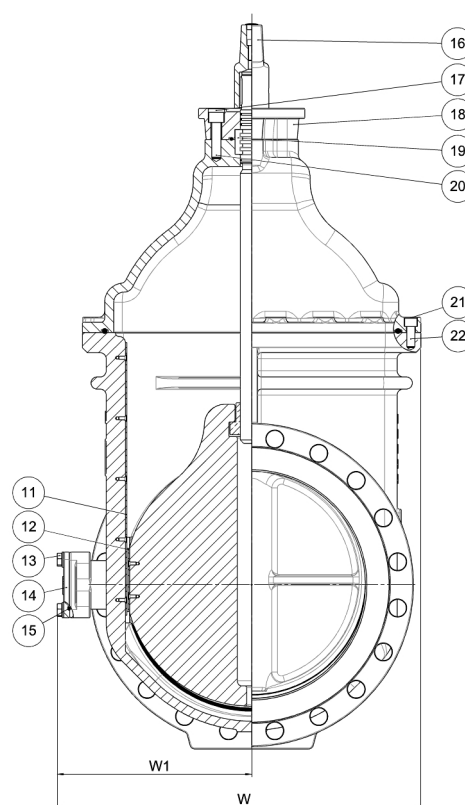
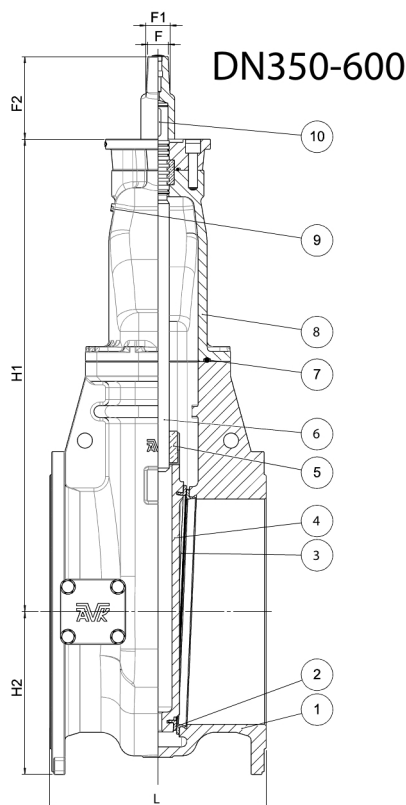


DN350-600

DN700-1000 and DN1200

DN1100 and DN1400-1800

Expect... **AVR**

AVK METAL SEAT GATE VALVE, EN1092, PN10/16**54/3132-008****Duplex SS stem, alu-bronze seat, A4 bolts, alu-bronze wedge nut, S&C, 300µm FBE/2-pack coating****Component list:**

| | | | |
|----------------------------|---------------------------------|--------------------------------------|---------------------------------|
| 1. Body | Ductile iron GJS-500-7 (GGG-50) | 15. O-ring | EPDM rubber |
| 2. Seat ring | Alu-bronze CC331G (AB1) | 16. Stem cap ⁽²⁾ | Ductile iron GJS-500-7 (GGG-50) |
| 3. Face ring | Alu-bronze CC331G (AB1) | 17. Seal ⁽²⁾ | Hot melt glue |
| 4. Wedge | Ductile iron GJS-500-7 (GGG-50) | 18. Gland flange ⁽²⁾ | Ductile iron GJS-500-7 (GGG-50) |
| 5. Wedge nut | Alu-bronze CC333G (AB2) | 19. Thrust collar ⁽²⁾ | Alu-bronze CC331G (AB1) |
| 6. Stem | Stainless steel 1.4462, duplex | 20. Gland flange bolt ⁽²⁾ | Stainless steel A4 |
| 7. O-cord | EPDM rubber | 21. Seal ⁽²⁾ | Hot melt glue |
| 8. Bonnet | Ductile iron GJS-500-7 (GGG-50) | 22. Bonnet bolt ⁽²⁾ | Stainless steel A4 |
| 9. Air plug ⁽¹⁾ | Stainless steel | 23. Thrust nut ⁽³⁾ | Alu-bronze CW307G |
| 10. Key | Steel | 24. Distance piece ⁽³⁾ | Ductile iron GJS-500-7 (GGG-50) |
| 11. Channel | Copper alloy | 25. Gland ⁽³⁾ | Ductile iron GJS-500-7 (GGG-50) |
| 12. Shoe | Copper alloy | 26. Packing ⁽³⁾ | PTFE |
| 13. Bolts | Stainless steel A4 | 27. Stuffing box ⁽⁴⁾ | Ductile iron GJS-500-7 (GGG-50) |
| 14. Blanking plate | Ductile iron GJS-500-7 (GGG-50) | | |

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

(1) DN350-450: bronze air plug

(2) DN350-450

(3) DN700-1800

(4) DN1100 and DN1400-1800

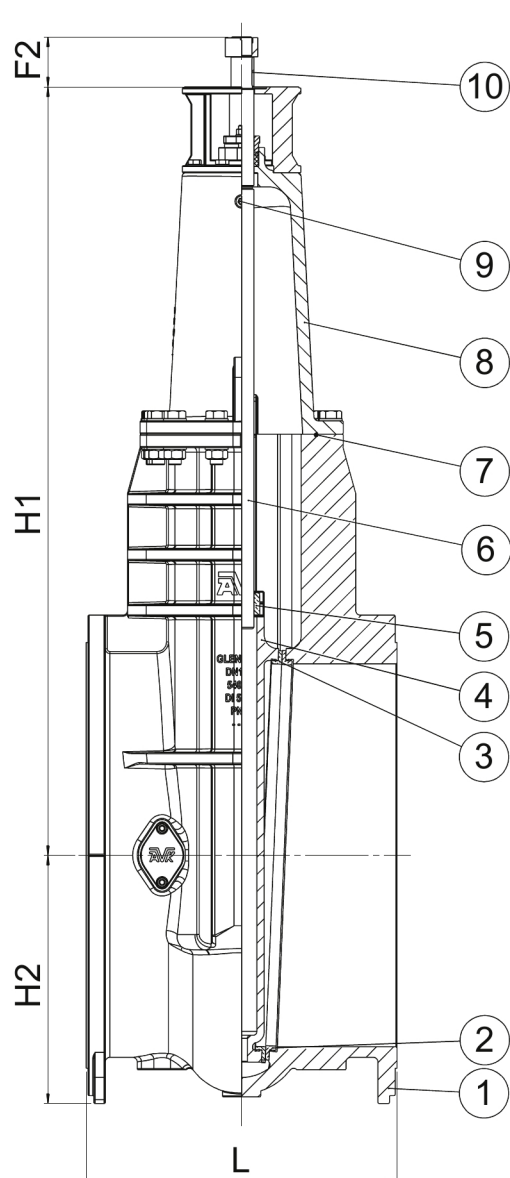
Reference nos. and dimensions:

| AVK ref. no. | DN | Operating | Flange | L | H1 | H2 | W | W1 | F | F1 | F2 | Actuator | Theoretical |
|--------------------|-----|-----------|----------|-----|------|-----|------|-----|----|----|-----|----------|-------------|
| | mm | Direction | drilling | mm | mm | mm | mm | mm | mm | mm | mm | flange | weight/kg |
| 54-0350-31-1201201 | 350 | CTC | PN16 | 381 | 789 | 280 | 605 | 325 | 40 | 48 | 162 | 14 | 256 |
| 54-0400-31-1201201 | 400 | CTC | PN16 | 406 | 880 | 310 | 657 | 355 | 40 | 48 | 162 | 14 | 290 |
| 54-0450-31-1201201 | 450 | CTC | PN16 | 432 | 961 | 340 | 720 | 385 | 40 | 48 | 162 | 14 | 409 |
| 54-0700-31-0201201 | 700 | CTC | PN10 | 610 | 1497 | 450 | 1050 | 421 | - | - | 116 | 14 | 1429 |
| 54-0700-31-1201201 | 700 | CTC | PN16 | 610 | 1497 | 450 | 1050 | 421 | - | - | 116 | 14 | 1429 |
| 54-0700-32-0201201 | 700 | CTO | PN10 | 610 | 1497 | 450 | 1050 | 421 | - | - | 116 | 14 | 1429 |
| 54-0700-32-1201201 | 700 | CTO | PN16 | 610 | 1497 | 450 | 1050 | 421 | - | - | 116 | 14 | 1429 |

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

AVK METAL SEAT GATE VALVE, EN1092, PN10/16**54/3132-008****Duplex SS stem, alu-bronze seat, A4 bolts, alu-bronze wedge nut, S&C, 300µm FBE/2-pack coating****Reference nos. and dimensions:**

| AVK ref. no. | DN mm | Operating Direction | Flange drilling | L mm | H1 mm | H2 mm | W mm | W1 mm | F mm | F1 mm | F2 mm | Actuator flange | Theoretical weight/kg |
|--------------------|----------|------------------------|--------------------|---------|----------|----------|---------|----------|---------|----------|----------|--------------------|--------------------------|
| 54-0800-31-0201201 | 800 | CTC | PN10 | 660 | 1689 | 535 | 1160 | 495 | - | - | 116 | 14 | 1779 |
| 54-0800-31-1201201 | 800 | CTC | PN16 | 660 | 1689 | 535 | 1160 | 495 | - | - | 116 | 14 | 1779 |
| 54-0800-32-0201201 | 800 | CTO | PN10 | 660 | 1689 | 535 | 1160 | 495 | - | - | 116 | 14 | 1779 |
| 54-0800-32-1201201 | 800 | CTO | PN16 | 660 | 1689 | 535 | 1160 | 495 | - | - | 116 | 14 | 1779 |
| 54-1000-31-0202201 | 1000 | CTC | PN10 | 813 | 2007 | 648 | 1404 | 602 | - | - | 136 | 16 | 3072 |
| 54-1000-31-1202201 | 1000 | CTC | PN16 | 813 | 2007 | 648 | 1404 | 602 | - | - | 136 | 16 | 3072 |
| 54-1000-32-0202201 | 1000 | CTO | PN10 | 813 | 2007 | 648 | 1404 | 602 | - | - | 136 | 16 | 3072 |
| 54-1000-32-1202201 | 1000 | CTO | PN16 | 813 | 2007 | 648 | 1404 | 602 | - | - | 136 | 16 | 3072 |
| 54-1100-31-0402201 | 1100 | CTC | PN10 | 811 | 2382 | 700 | 1505 | 627 | - | - | 160 | 16 | 4014 |
| 54-1100-31-1402201 | 1100 | CTC | PN16 | 811 | 2382 | 700 | 1505 | 627 | - | - | 160 | 16 | 4014 |
| 54-1100-32-0402201 | 1100 | CTO | PN10 | 811 | 2382 | 700 | 1505 | 627 | - | - | 160 | 16 | 4014 |
| 54-1100-32-1402201 | 1100 | CTO | PN16 | 811 | 2382 | 700 | 1505 | 627 | - | - | 160 | 16 | 4014 |
| 54-1200-31-0402201 | 1200 | CTC | PN10 | 914 | 2427 | 773 | 1712 | 694 | - | - | 136 | 16 | 4691 |
| 54-1200-31-1402201 | 1200 | CTC | PN16 | 914 | 2427 | 773 | 1712 | 694 | - | - | 136 | 16 | 4691 |
| 54-1200-32-0402201 | 1200 | CTO | PN10 | 914 | 2427 | 773 | 1712 | 694 | - | - | 136 | 16 | 4691 |
| 54-1200-32-1402201 | 1200 | CTO | PN16 | 914 | 2427 | 773 | 1712 | 694 | - | - | 136 | 16 | 4691 |
| 54-1400-31-0403201 | 1400 | CTC | PN10 | 876 | 2870 | 885 | 1956 | 897 | - | - | 166 | 25 | 7500 |
| 54-1400-31-1403201 | 1400 | CTC | PN16 | 876 | 2870 | 885 | 1956 | 897 | - | - | 166 | 25 | 7500 |
| 54-1400-32-0403201 | 1400 | CTO | PN10 | 876 | 2870 | 885 | 1956 | 897 | - | - | 166 | 25 | 7500 |
| 54-1400-32-1403201 | 1400 | CTO | PN16 | 876 | 2870 | 885 | 1956 | 897 | - | - | 166 | 25 | 7500 |
| 54-1600-31-0403201 | 1600 | CTC | PN10 | 914 | 3291 | 1066 | 2290 | 1104 | - | - | 179 | 25 | 12130 |
| 54-1600-31-1403201 | 1600 | CTC | PN16 | 914 | 3291 | 1066 | 2290 | 1104 | - | - | 179 | 25 | 12130 |
| 54-1600-32-0403201 | 1600 | CTO | PN10 | 914 | 3291 | 1066 | 2290 | 1104 | - | - | 179 | 25 | 12130 |
| 54-1600-32-1403201 | 1600 | CTO | PN16 | 914 | 3291 | 1066 | 2290 | 1104 | - | - | 179 | 25 | 12130 |
| 54-1800-31-0404201 | 1800 | CTC | PN10 | 1067 | 3659 | 1180 | 2454 | 1260 | - | - | 208 | 30 | 14800 |
| 54-1800-31-1404201 | 1800 | CTC | PN16 | 1067 | 3659 | 1180 | 2454 | 1260 | - | - | 208 | 30 | 14800 |
| 54-1800-32-0404201 | 1800 | CTO | PN10 | 1067 | 3659 | 1180 | 2454 | 1260 | - | - | 208 | 30 | 14800 |
| 54-1800-32-1404201 | 1800 | CTO | PN16 | 1067 | 3659 | 1180 | 2454 | 1260 | - | - | 208 | 30 | 14800 |



**DN700-1000
and DN1200**

