



## AVK METAL SEAT GATE VALVE, EN1092, PN10/16

54/3132-007

Duplex SS stem, alu-bronze seat, A4 bolts, alu-bronze wedge nut, 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:

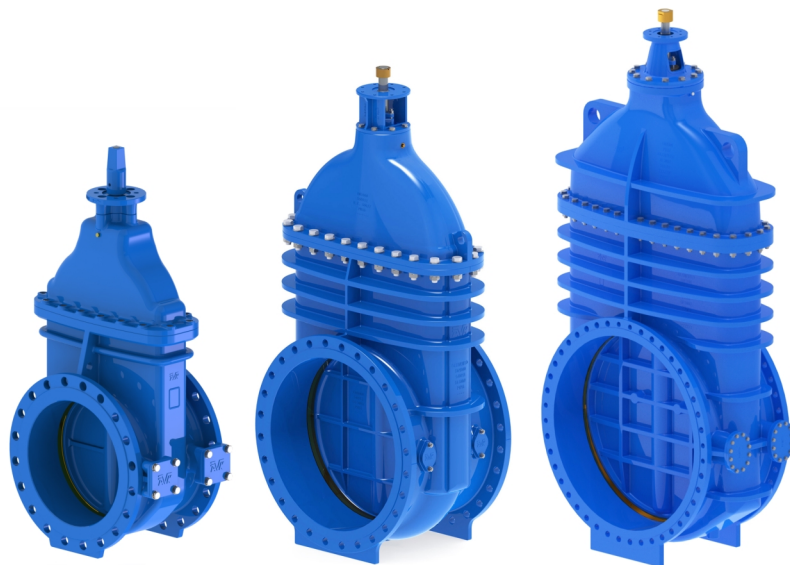
- Hydraulic test according to EN 1074-1 and 2 / EN 12266

### 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
- 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

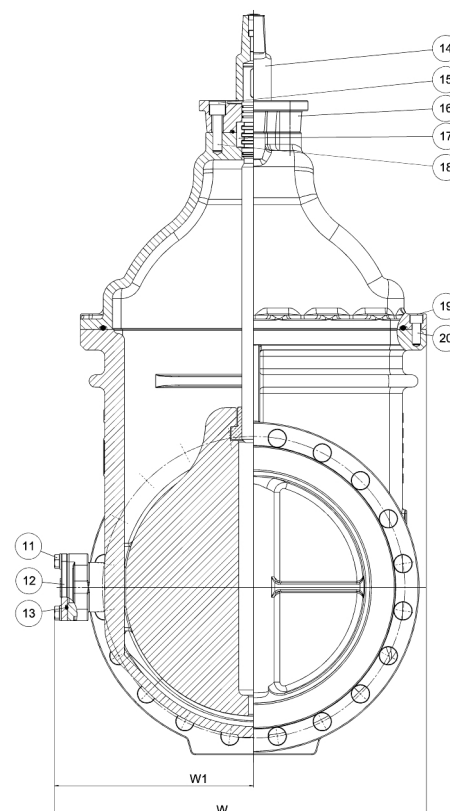
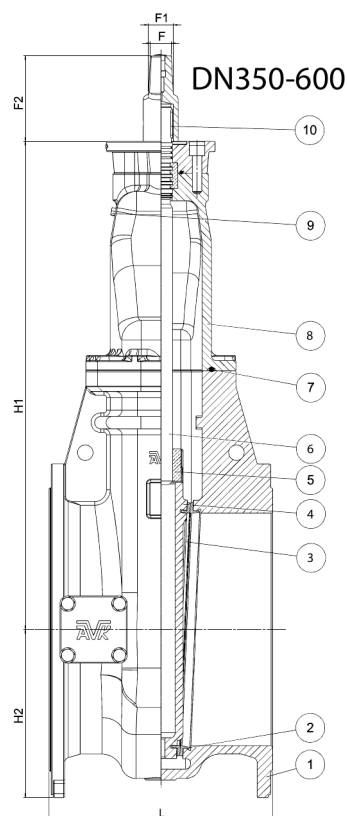


DN350-600

DN700-1000 and DN1200

DN1100 and DN1400-1800

Expect... **AVR**

**AVK METAL SEAT GATE VALVE, EN1092, PN10/16****54/3132-007****Duplex SS stem, alu-bronze seat, A4 bolts, alu-bronze wedge nut, 300µm FBE/2-pack coating****Component list:**

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

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

(1) DN350-600: bronze air plug

(2) DN350-600

(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
54-0350-31-0201200	350	CTC	PN10	381	782	265	605	325	40	48	162	14	254
54-0350-31-1201200	350	CTC	PN16	381	782	265	605	325	40	48	162	14	254
54-0350-32-0201200	350	CTO	PN10	381	782	265	605	325	40	48	162	14	254
54-0350-32-1201200	350	CTO	PN16	381	782	265	605	325	40	48	162	14	254
54-0400-31-0201200	400	CTC	PN10	406	857	295	657	355	40	48	162	14	288
54-0400-31-1201200	400	CTC	PN16	406	857	295	657	355	40	48	162	14	288
54-0400-32-0201200	400	CTO	PN10	406	857	295	657	355	40	48	162	14	288
54-0400-32-1201200	400	CTO	PN16	406	857	295	657	355	40	48	162	14	288

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**AVK METAL SEAT GATE VALVE, EN1092, PN10/16****54/3132-007****Duplex SS stem, alu-bronze seat, A4 bolts, alu-bronze wedge nut, 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
54-0450-31-0201200	450	CTC	PN10	432	944	325	720	385	40	48	162	14	407
54-0450-31-1201200	450	CTC	PN16	432	944	325	720	385	40	48	162	14	407
54-0450-32-0201200	450	CTO	PN10	432	944	325	720	385	40	48	162	14	407
54-0450-32-1201200	450	CTO	PN16	432	944	325	720	385	40	48	162	14	407
54-0500-31-0201200	500	CTC	PN10	457	1017	365	790	425	40	48	162	14	516
54-0500-31-1201200	500	CTC	PN16	457	1017	365	790	425	40	48	162	14	516
54-0500-31-1202200	500	CTC	PN16	457	1017	365	790	425	40	48	162	16	516
54-0500-32-0201200	500	CTO	PN10	457	1017	365	790	425	40	48	162	14	516
54-0500-32-1201200	500	CTO	PN16	457	1017	365	790	425	40	48	162	14	516
54-0600-31-0201200	600	CTC	PN10	508	1178	440	905	485	40	48	162	14	633
54-0600-31-0202200	600	CTC	PN10	508	1178	440	905	485	40	48	162	16	633
54-0600-31-1201200	600	CTC	PN16	508	1178	440	905	485	40	48	162	14	633
54-0600-32-0201200	600	CTO	PN10	508	1178	440	905	485	40	48	162	14	633
54-0600-32-1201200	600	CTO	PN16	508	1178	440	905	485	40	48	162	14	633
54-0700-31-0201200	700	CTC	PN10	610	1497	450	1050	421	-	-	116	14	1416
54-0700-31-0202200	700	CTC	PN10	610	1497	450	1050	421	-	-	129	16	1416
54-0700-31-1201200	700	CTC	PN16	610	1497	450	1050	421	-	-	116	14	1416
54-0700-31-1202200	700	CTC	PN16	610	1497	450	1050	421	-	-	129	16	1416
54-0700-31-1203200	700	CTC	PN16	610	1497	450	1050	421	-	-	169	25	1416
54-0700-32-0201200	700	CTO	PN10	610	1497	450	1050	421	-	-	116	14	1416
54-0700-32-1201200	700	CTO	PN16	610	1497	450	1050	421	-	-	116	14	1416
54-0800-31-0201200	800	CTC	PN10	660	1689	535	1160	495	-	-	116	14	1766
54-0800-31-0203200	800	CTC	PN10	660	1689	535	1160	495	-	-	169	25	1766
54-0800-31-1201200	800	CTC	PN16	660	1689	535	1160	495	-	-	116	14	1766
54-0800-31-1203200	800	CTC	PN16	660	1689	535	1160	495	-	-	169	25	1766
54-0800-32-0201200	800	CTO	PN10	660	1689	535	1160	495	-	-	116	14	1766
54-0800-32-1201200	800	CTO	PN16	660	1689	535	1160	495	-	-	116	14	1766
54-0900-31-0202200	900	CTC	PN10	711	1844	596	1310	535	-	-	131	16	2317
54-0900-31-0204200	900	CTC	PN10	711	1844	596	1310	535	-	-	201	30	2327
54-0900-31-1201200	900	CTC	PN16	711	1844	596	1310	535	-	-	118	14	2317
54-0900-31-1202200	900	CTC	PN16	711	1844	596	1310	535	-	-	131	16	2317
54-0900-31-1203200	900	CTC	PN16	711	1844	596	1310	535	-	-	171	25	2317
54-0900-32-1203200	900	CTO	PN16	711	1844	596	1310	535	-	-	171	25	2317
54-1000-31-0202200	1000	CTC	PN10	813	2007	648	1404	602	-	-	136	16	3059
54-1000-31-1202200	1000	CTC	PN16	813	2007	648	1404	602	-	-	136	16	3059
54-1000-31-1203200	1000	CTC	PN16	813	2007	648	1404	602	-	-	176	25	3059
54-1000-32-0202200	1000	CTO	PN10	813	2007	648	1404	602	-	-	136	16	3059
54-1000-32-1202200	1000	CTO	PN16	813	2007	648	1404	602	-	-	136	16	3059
54-1100-31-0402200	1100	CTC	PN10	811	2382	700	1505	627	-	-	160	16	4000
54-1100-31-1402200	1100	CTC	PN16	811	2382	700	1505	627	-	-	160	16	4000
54-1100-32-0402200	1100	CTO	PN10	811	2382	700	1505	627	-	-	160	16	4000
54-1100-32-1402200	1100	CTO	PN16	811	2382	700	1505	627	-	-	160	16	4000
54-1200-31-0402200	1200	CTC	PN10	914	2427	773	1712	694	-	-	136	16	4691
54-1200-31-1402200	1200	CTC	PN16	914	2427	773	1712	694	-	-	136	16	4691
54-1200-32-0402200	1200	CTO	PN10	914	2427	773	1712	694	-	-	136	16	4691
54-1200-32-1402200	1200	CTO	PN16	914	2427	773	1712	694	-	-	136	16	4691
54-1400-31-0403200	1400	CTC	PN10	876	2870	885	1956	897	-	-	166	25	7500
54-1400-31-1403200	1400	CTC	PN16	876	2870	885	1956	897	-	-	166	25	7500
54-1400-32-0403200	1400	CTO	PN10	876	2870	885	1956	897	-	-	166	25	7500
54-1400-32-1403200	1400	CTO	PN16	876	2870	885	1956	897	-	-	166	25	7500
54-1600-31-0403200	1600	CTC	PN10	914	3291	1066	2290	1104	-	-	179	25	12100
54-1600-31-1403200	1600	CTC	PN16	914	3291	1066	2290	1104	-	-	179	25	12100
54-1600-32-0403200	1600	CTO	PN10	914	3291	1066	2290	1104	-	-	179	25	12100
54-1600-32-1403200	1600	CTO	PN16	914	3291	1066	2290	1104	-	-	179	25	12100
54-1800-31-0404200	1800	CTC	PN10	1067	3659	1180	2454	1260	-	-	208	30	14800
54-1800-31-1404200	1800	CTC	PN16	1067	3659	1180	2454	1260	-	-	208	30	14800
54-1800-32-0404200	1800	CTO	PN10	1067	3659	1180	2454	1260	-	-	208	30	14800
54-1800-32-1404200	1800	CTO	PN16	1067	3659	1180	2454	1260	-	-	208	30	14800

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