



## AVK METAL SEAT GATE VALVE, FLANGED, PN 6/10/16

54/3132-002

SS stem, alu-bronze seat, S&C, A4/galv. 8.8 bolts, CTC/CTO, blue 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 valves with rotating, non-rising stem. Operating direction clockwise to close or clockwise to open. For drinking water and neutral liquids to max. 70°C, and sewage but without solid impurities. On DN300-600 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.

### Standards:

- Designed according to EN 1074 part 1 & 2
- Flange drilling to EN1092, PN6/10/16

### Test/Approvals:

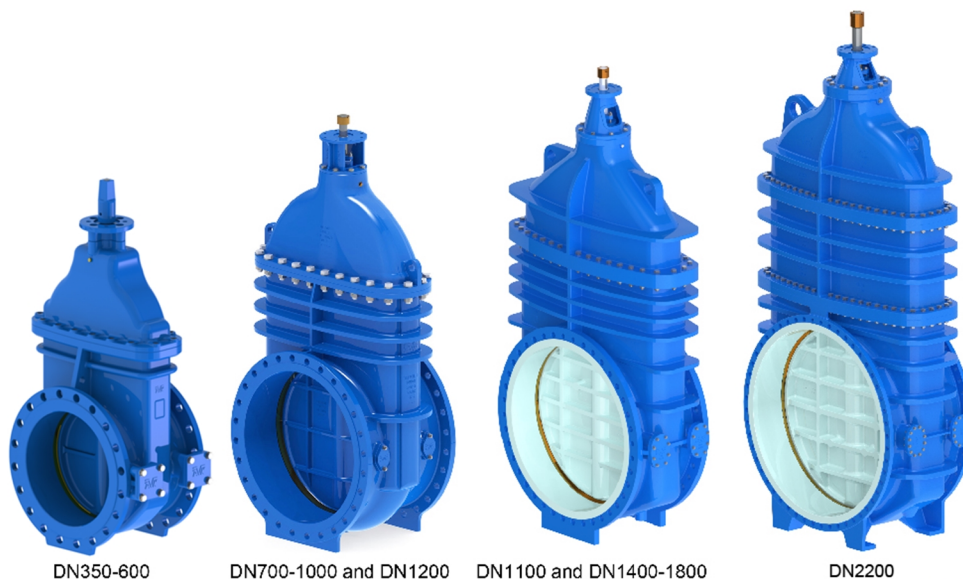
- Hydraulic test according to EN 1074-1 and 2 / EN 12266

### Features:

- High strength alu-bronze valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Stem in 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
- DN350-600 protected fasteners in galvanized 8.8 steel, exposed fasteners in A4 stainless steel
- DN≥700 fasteners in galvanized 8.8 steel
- DN 350-1000 protected by 250µm blue fusion bonded epoxy coating
- DN≥1100 protected by 250µm 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



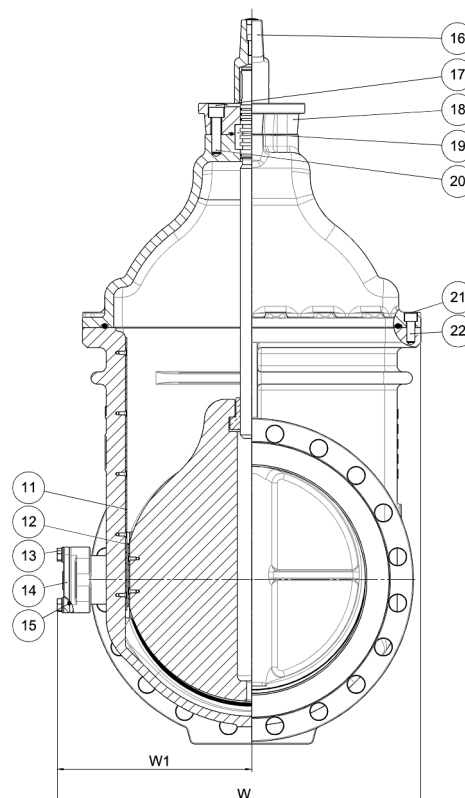
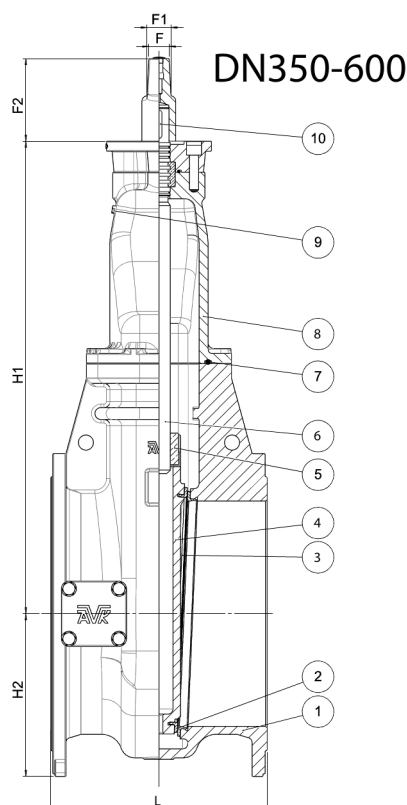
DN350-600

DN700-1000 and DN1200

DN1100 and DN1400-1800

DN2200

Expect... **AVR**

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1. Body	Ductile iron GJS-500-7 (GGG-50)	15. O-ring	EPDM rubber
2. Seat ring	Alu-bronze CC331G (AB1)	16. Stem cap <sup>(2)</sup>	Ductile iron GJS-500-7 (GGG-50)
3. Face ring	Alu-bronze CC331G (AB1)	17. Seal <sup>(2)</sup>	Hot melt glue
4. Wedge	Ductile iron GJS-500-7 (GGG-50)	18. Gland flange <sup>(2)</sup>	Ductile iron GJS-500-7 (GGG-50)
5. Wedge nut	Alu-bronze CC333G (AB2)	19. Thrust collar <sup>(2)</sup>	Alu-bronze CC331G (AB1)
6. Stem	Stainless steel 1.4057 (431)	20. Gland flange bolt <sup>(2)</sup>	Steel, hot dip galvanized
7. O-cord	EPDM rubber	21. Seal <sup>(2)</sup>	Hot melt glue
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	22. Bonnet bolt <sup>(2)</sup>	Steel, hot dip galvanized
9. Air plug <sup>(1)</sup>	Stainless steel	23. Thrust nut <sup>(3)</sup>	Alu-bronze CW307G
10. Key	Steel	24. Distance piece <sup>(3)</sup>	Ductile iron GJS-500-7 (GGG-50)
11. Channel	Copper alloy	25. Gland <sup>(3)</sup>	Ductile iron GJS-500-7 (GGG-50)
12. Shoe	Copper alloy	26. Packing <sup>(3)</sup>	PTFE
13. Bolts <sup>(1)</sup>	Steel, hot dip galvanized	27. Stuffing box <sup>(4)</sup>	Ductile iron GJS-500-7 (GGG-50)
14. Blanking plate	Ductile iron GJS-500-7 (GGG-50)	28. Upper part <sup>(5)</sup>	Ductile iron GJS-500-7 (GGG-50)

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

(1) DN350-600: bronze air plug and stainless steel A4 bolts

(2) DN350-600: stainless steel A2 bonnet bolts

(3) DN700-1800

(4) DN1100 and DN1400-1800

(5) DN2200

**Reference nos. and dimensions:**

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
54-0350-31-1101101	350	CTC	PN16	381	789	280	605	325	40	48	162	14	256
54-0400-31-1101101	400	CTC	PN16	406	880	310	657	355	40	48	162	14	290
54-0450-31-1101101	450	CTC	PN16	432	961	340	720	385	40	48	162	14	409
54-0500-31-1101101	500	CTC	PN16	457	1056	375	790	425	40	48	162	14	519
54-0600-31-1101101	600	CTC	PN16	508	1202	440	905	485	40	48	162	14	636
54-0700-31-1101101	700	CTC	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.

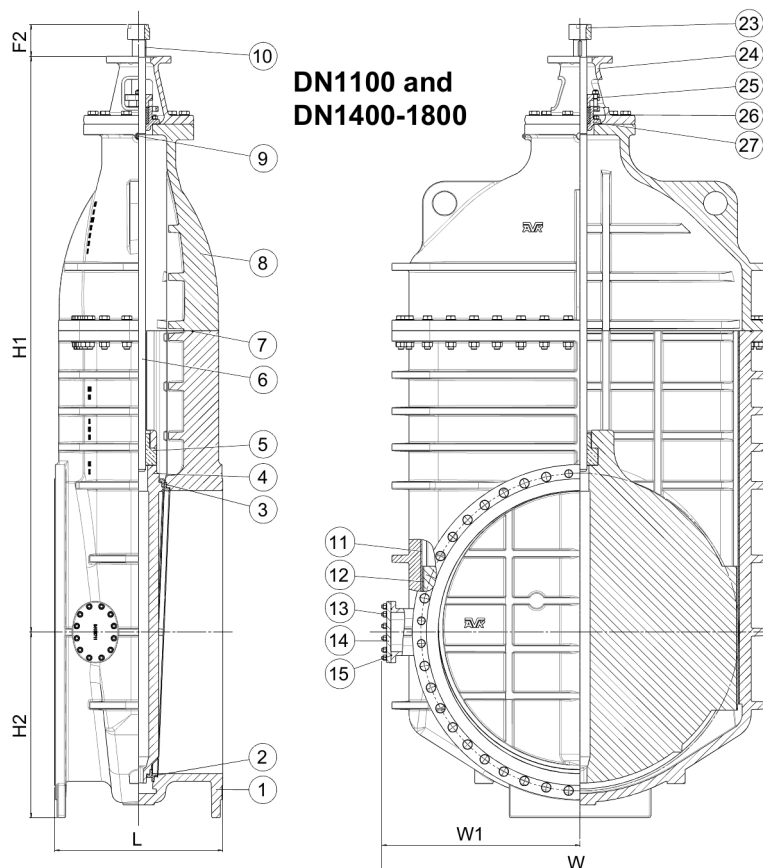
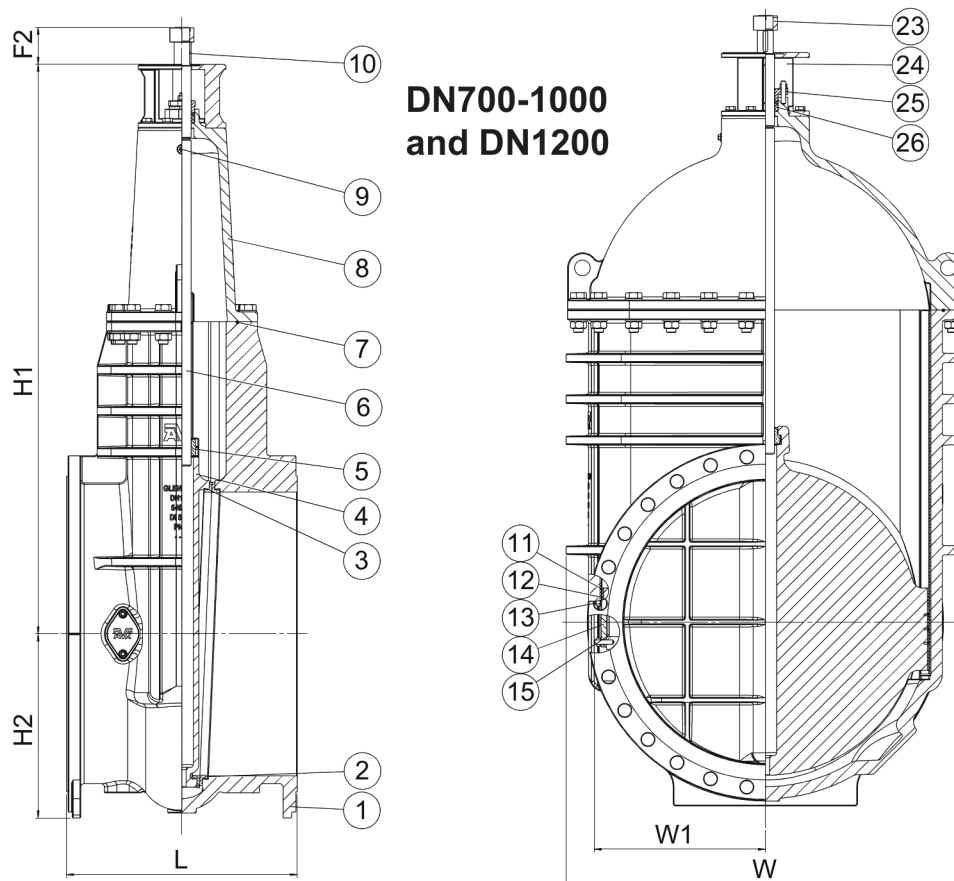
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Ref. No.	DN mm	Operating Direction	Flange drilling	L mm	H1 mm	H2 mm	W mm	W1 mm	F mm	F1 mm	F2 mm	Actuator flange	Theoretical weight/kg
54-0700-31-1102101	700	CTC	PN16	610	1497	450	1050	421	-	-	129	16	1429
54-0700-31-1103101	700	CTC	PN16	610	1497	450	1050	421	-	-	169	25	1429
54-0800-31-1101101	800	CTC	PN16	660	1689	535	1160	495	-	-	116	14	1779
54-0800-31-1102101	800	CTC	PN16	660	1689	535	1160	495	-	-	129	16	1779
54-0800-31-1103101	800	CTC	PN16	660	1689	535	1160	495	-	-	169	25	1779
54-0900-31-1101101	900	CTC	PN16	711	1844	596	1310	535	-	-	118	14	2330
54-0900-31-1102101	900	CTC	PN16	711	1844	596	1310	535	-	-	131	16	2330
54-0900-31-1103101	900	CTC	PN16	711	1844	596	1310	535	-	-	171	25	2330
54-0900-31-1104101	900	CTC	PN16	711	1844	596	1310	535	-	-	201	30	2340
54-1000-31-1102101	1000	CTC	PN16	813	2007	648	1404	602	-	-	136	16	3072
54-1000-31-1103101	1000	CTC	PN16	813	2007	648	1404	602	-	-	176	25	3072
54-1000-31-1104101	1000	CTC	PN16	813	2007	648	1404	602	-	-	206	30	3082

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