



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

54/3132-001

SS stem, alu-bronze seat, 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 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.

Standards:

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

Test/Approvals:

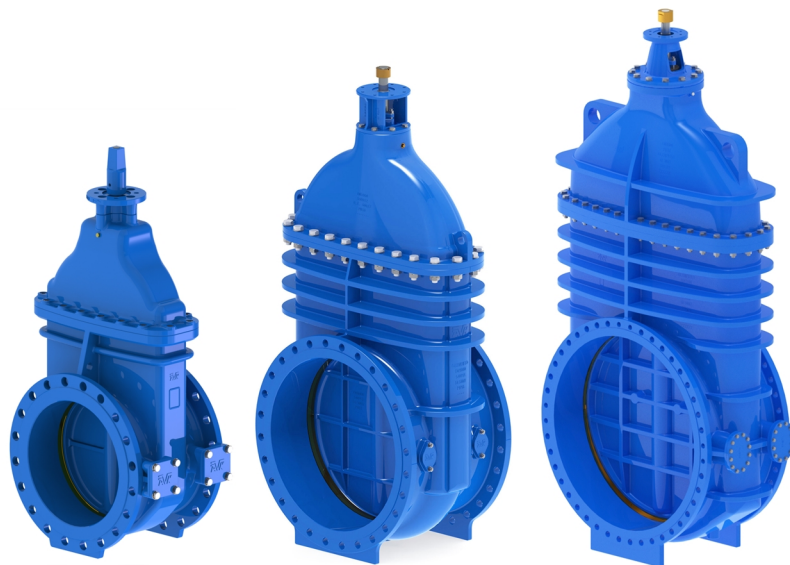
- Hydraulic test according to EN 1074-1 and 2 / EN 12266

Features:

- High strength alu-bronze valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Stem in 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
- Guides on the wedge helps provide steady operation
- DN350-600 protected fasteners in galvanized 8.8 steel, exposed fasteners in A4 stainless steel
- DN≥700 fasteners in galvanized 8.8 steel
- DN350-1000 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

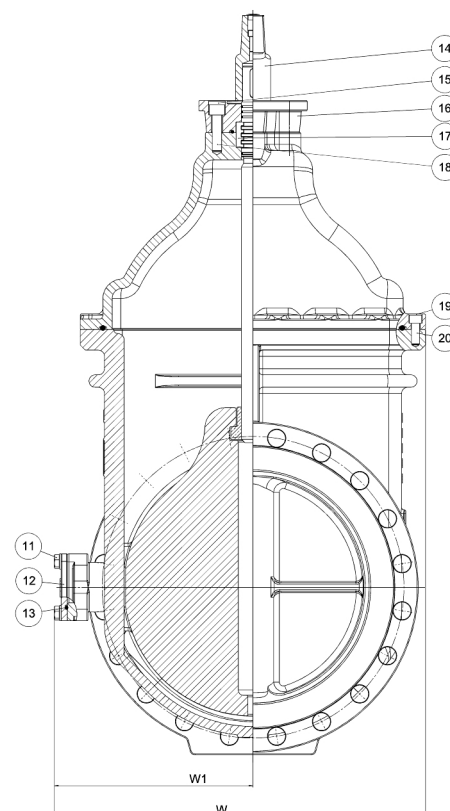
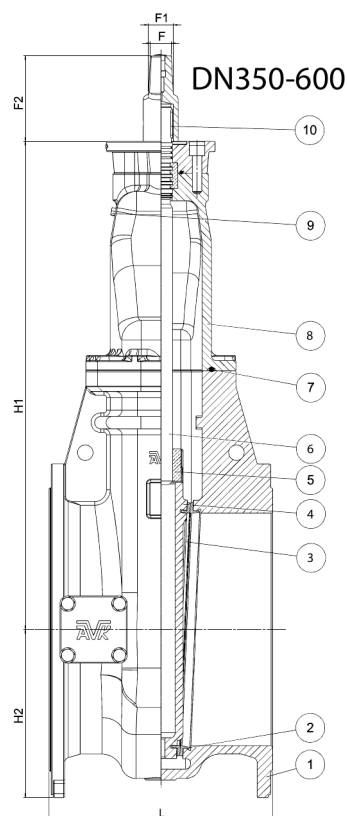


DN350-600

DN700-1000 and DN1200

DN1100 and DN1400-1800

Expect... **AVR**

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

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

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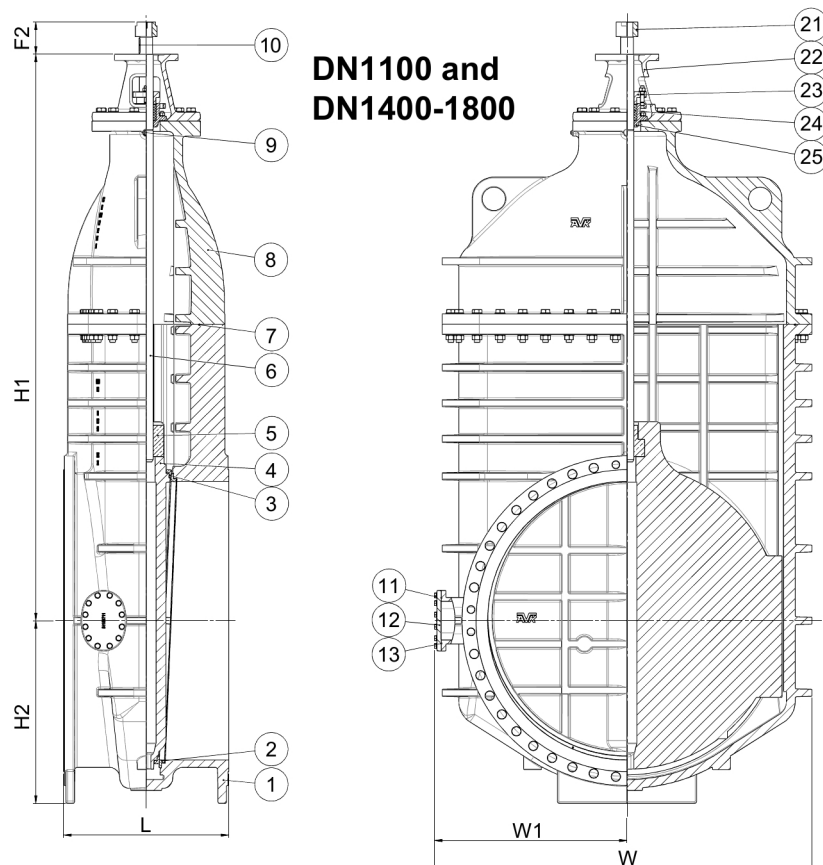
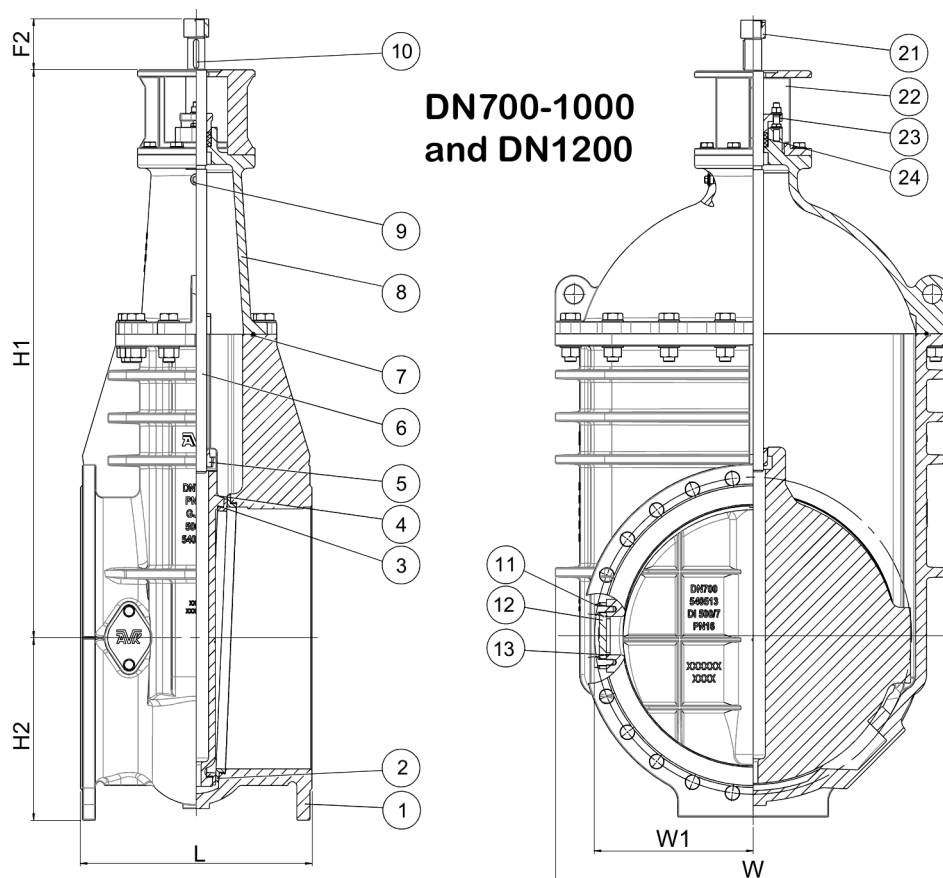
Ref. No.	DN mm	Operating Direction	Flange drilling	L mm	H1 mm	H2 mm	W mm	W1 mm	F mm	F1 mm	F2 mm	Actuator flange	Theoretical weight/kg
54-0350-31-1101100	350	CTC	PN16	381	782	265	605	325	40	48	162	14	254
54-0400-31-1101100	400	CTC	PN16	406	857	295	657	355	40	48	162	14	288
54-0400-31-1102100	400	CTC	PN16	406	857	295	657	355	40	48	162	16	288
54-0450-31-1101100	450	CTC	PN16	432	944	325	720	385	40	48	162	14	407
54-0450-31-1102100	450	CTC	PN16	432	944	325	720	385	40	48	162	16	407
54-0500-31-1101100	500	CTC	PN16	457	1017	365	790	425	40	48	162	14	516
54-0500-31-1102100	500	CTC	PN16	457	1017	365	790	425	40	48	162	16	516
54-0600-31-1101100	600	CTC	PN16	508	1178	440	905	485	40	48	162	14	633
54-0600-31-1102100	600	CTC	PN16	508	1178	440	905	485	40	48	162	16	633
54-0700-31-1101100	700	CTC	PN16	610	1497	450	1050	421	-	-	116	14	1416
54-0700-31-1102100	700	CTC	PN16	610	1497	450	1050	421	-	-	129	16	1416
54-0700-31-1103100	700	CTC	PN16	610	1497	450	1050	421	-	-	169	25	1416
54-0700-31-1104100	700	CTC	PN16	610	1497	450	1050	421	-	-	199	30	1426
54-0800-31-1101100	800	CTC	PN16	660	1689	535	1160	495	-	-	116	14	1766
54-0800-31-1102100	800	CTC	PN16	660	1689	535	1160	495	-	-	129	16	1766
54-0800-31-1103100	800	CTC	PN16	660	1689	535	1160	495	-	-	169	25	1766
54-0900-31-1101100	900	CTC	PN16	711	1844	596	1310	535	-	-	118	14	2317
54-0900-31-1102100	900	CTC	PN16	711	1844	596	1310	535	-	-	131	16	2317
54-0900-31-1103100	900	CTC	PN16	711	1844	596	1310	535	-	-	171	25	2317
54-1000-31-1102100	1000	CTC	PN16	813	2007	648	1404	602	-	-	136	16	3059
54-1000-31-1103100	1000	CTC	PN16	813	2007	648	1404	602	-	-	176	25	3059
54-1000-31-1104100	1000	CTC	PN16	813	2007	648	1404	602	-	-	206	30	3069

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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