



AVK METAL SEAT GATE VALVE, EN1092, PN10/16

54/3334-003

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

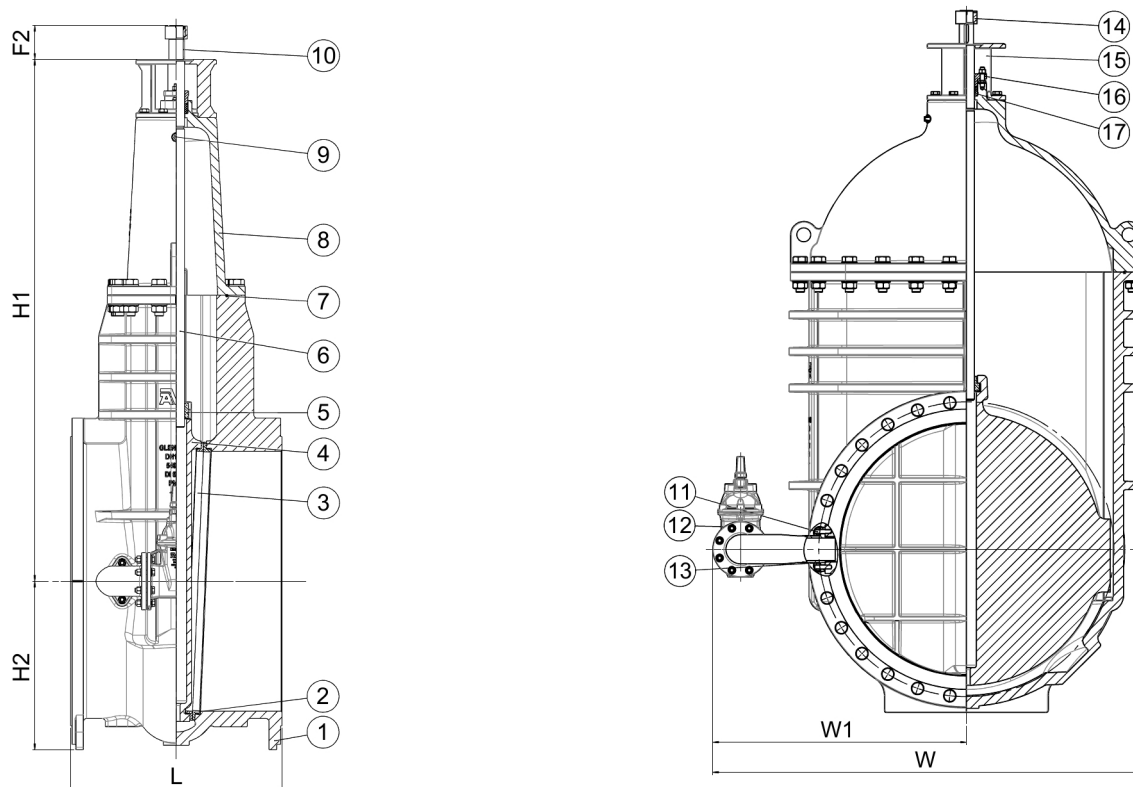
- High strength alu-bronze valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Stem in high grade 1.4462 Duplex stainless steel
- Stuffing box with ample depth gives long life to the PTFE packing
- Round body-bonnet O-cord gasket fixed in a recess to avoid blow-out
- 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
- DN700-900 protected by 250µm blue fusion bonded epoxy coating
- DN1200 protected by 250µm blue 2-pack epoxy coating
- A by-pass valve is fitted to reduce differential pressure and facilitate operation

Accessories:

Gearbox, actuator, extension spindle



Expect... **AVR**

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1. Body	Ductile iron GJS-500-7 (GGG-50)	10. Key	Steel
2. Seat ring	Alu-bronze CC331G (AB1)	11. Bolts	Stainless steel A4
3. Face ring	Alu-bronze CC331G (AB1)	12. By-pass valve	
4. Wedge	Ductile iron GJS-500-7 (GGG-50)	13. O-ring	EPDM rubber
5. Wedge nut	Alu-bronze CC333G (AB2)	14. Thrust nut	Alu-bronze CW307G
6. Stem	Stainless steel 1.4462, duplex	15. Distance piece	Ductile iron GJS-500-7 (GGG-50)
7. O-cord	EPDM rubber	16. Gland	Ductile iron GJS-500-7 (GGG-50)
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	17. Packing	PTFE
9. Air plug	Stainless steel		

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

Reference nos. and dimensions:

AVK ref. no.	DN mm	Operating Direction	Flange drilling	L mm	H1 mm	H2 mm	W mm	W1 mm	F2 mm	Actuator flange	By-pass DN	Theoretical weight/kg
54-0700-33-0101200	700	CTC	PN10	610	1497	450	1359	834	116	14	100	1440
54-0700-33-1101200	700	CTC	PN16	610	1497	450	1359	834	116	14	100	1440
54-0700-34-0101200	700	CTO	PN10	610	1497	450	1359	834	116	14	100	1440
54-0700-34-1101200	700	CTO	PN16	610	1497	450	1359	834	116	14	100	1440
54-0800-33-0101200	800	CTC	PN10	660	1689	535	1488	908	116	14	100	1789
54-0800-33-1101200	800	CTC	PN16	660	1689	535	1488	908	116	14	100	1789
54-0800-34-0101200	800	CTO	PN10	660	1689	535	1488	908	116	14	100	1789
54-0800-34-1101200	800	CTO	PN16	660	1689	535	1488	908	116	14	100	1789
54-0900-33-0102200	900	CTC	PN10	711	1844	596	1603	948	131	16	100	2341
54-0900-33-0103200	900	CTC	PN10	711	1844	596	1603	948	171	25	100	2341
54-0900-33-1102200	900	CTC	PN16	711	1844	596	1603	948	131	16	100	2341
54-0900-33-1103200	900	CTC	PN16	711	1844	596	1603	948	171	25	100	2341
54-0900-34-0102200	900	CTO	PN10	711	1844	596	1603	948	131	16	100	2341
54-0900-34-1102200	900	CTO	PN16	711	1844	596	1603	948	131	16	100	2341
54-1200-33-0302200	1200	CTC	PN10	914	2427	773	2036	1180	136	16	150	4730

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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AVK ref. no.	DN mm	Operating Direction	Flange drilling	L mm	H1 mm	H2 mm	W mm	W1 mm	F2 mm	Actuator flange	By-pass DN	Theoretical weight/kg
54-1200-33-1302200	1200	CTC	PN16	914	2427	773	2036	1180	136	16	150	4730
54-1200-34-0302200	1200	CTO	PN10	914	2427	773	2036	1180	136	16	150	4730
54-1200-34-1302200	1200	CTO	PN16	914	2427	773	2036	1180	136	16	150	4730