



AVK METAL SEAT GATE VALVE, OS&Y, FLANGED, PN 10/16

54/3334-007

SS stem, alu-bronze seat, A4/galv. 8.8 bolts, CTC, blue FBE/2-pack coating, by-pass

AVK series 54 gate valves are designed with built-in safety and quality in every detail. The metal valve seat is resistant to high temperature 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 with outside yoke and rising stem. Operating direction clockwise to close. For drinking water and neutral liquids to max. 70°C, and sewage but without solid impurities. Operation must be by external actuator or gearbox equipped with radial bearing, thrust bearing and a stem nut with ACME thread.

Standards:

- Designed according to EN 1074 part 1 & 2, Designed according to Brazilian NBR 12430
- 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
- Outside yoke and rising stem for clear indication of valve status at a distance
- Stem in stainless steel
- DN350-600 NBR wiper ring protects against dirt from outside
- 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
- DN 350-1000 protected by 250µm blue fusion bonded epoxy coating
- DN≥1100 protected by 250µm blue 2-pack epoxy coating
- A by-pass valve is fitted to reduce differential pressure and facilitate operation

Accessories:

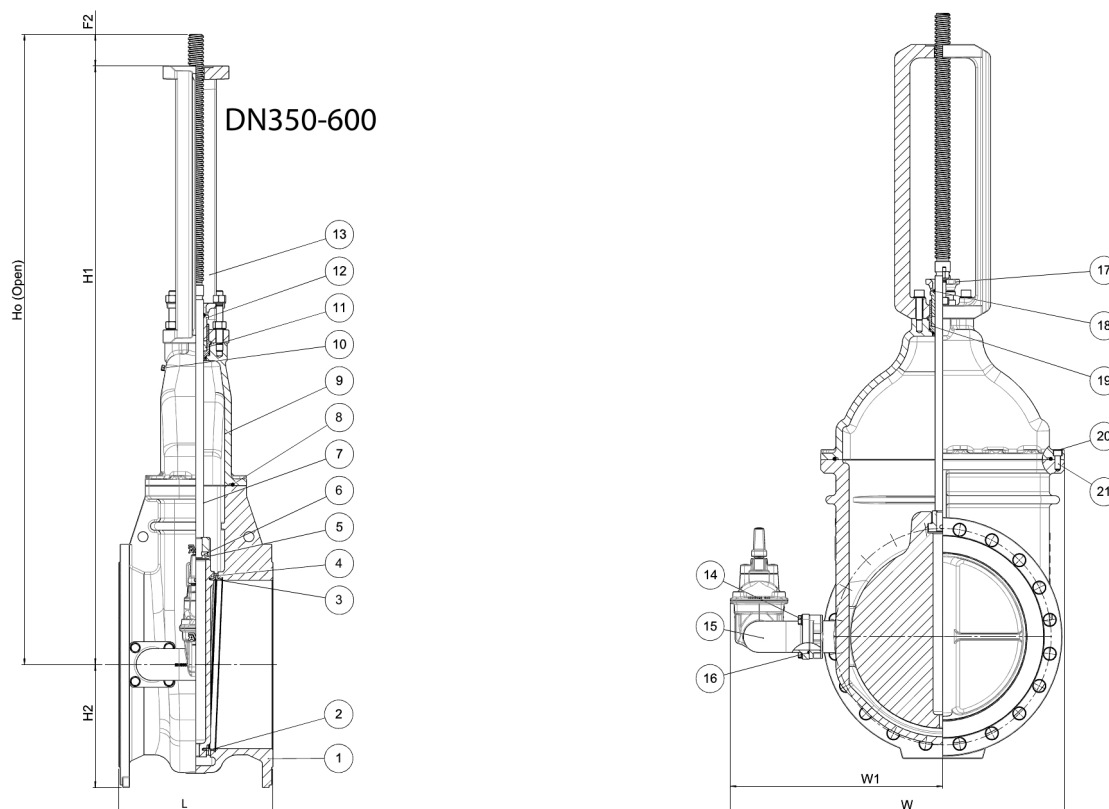
Gearbox, actuator



DN350-600

DN700-1200

Expect... **AVK**

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1. Body	Ductile iron GJS-500-7 (GGG-50)	12. Gland	Ductile iron GJS-500-7 (GGG-50)
2. Seat ring	Alu-bronze CC331G (AB1)	13. Yoke	Ductile iron GJS-500-7 (GGG-50)
3. Face ring	Alu-bronze CC331G (AB1)	14. Bolts ⁽¹⁾	Steel, hot dip galvanized
4. Wedge	Ductile iron GJS-500-7 (GGG-50)	15. By-pass valve	
5. Wedge nut	Alu-bronze CC333G (AB2)	16. O-ring	EPDM rubber
6. Pin	Stainless steel	17. Gland follower ⁽²⁾	Ductile iron GJS-500-7 (GGG-50)
7. Stem	Stainless steel 1.4057 (431)	18. Wiper ring ⁽²⁾	NBR rubber metal insert
8. O-cord	EPDM rubber	19. Bushing ⁽²⁾	Brass
9. Bonnet	Ductile iron GJS-500-7 (GGG-50)	20. Seal ⁽²⁾	Hot melt glue
10. Air plug ⁽¹⁾	Stainless steel	21. Bolts ⁽²⁾	Steel, hot dip galvanized
11. Packing	PTFE		

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

Reference nos. and dimensions:

AVK ref. no.	DN	Operating	Flange	L	H1	H2	H open	W	W1	F2	Actuator	By-pass	Theoretical
	mm	Direction	drilling	mm	mm	mm	mm	mm	mm	mm	flange	DN	weight/kg
54-0350-33-0106100	350	CTC	PN10	381	1380	265	1852	787	507	94	14	50	313
54-0350-33-1106100	350	CTC	PN16	381	1380	265	1852	787	507	94	14	50	313
54-0400-33-0106100	400	CTC	PN10	406	1455	295	1980	839	537	94	14	50	346
54-0400-33-1106100	400	CTC	PN16	406	1455	295	1980	839	537	94	14	50	346
54-0450-33-0106100	450	CTC	PN10	432	1542	325	2118	932	597	94	14	80	470
54-0450-33-1106100	450	CTC	PN16	432	1542	325	2118	932	597	94	14	80	470
54-0500-33-0106100	500	CTC	PN10	457	1777	365	2398	1002	637	94	14	80	585
54-0500-33-1106100	500	CTC	PN16	457	1777	365	2398	1002	637	94	14	80	585
54-0600-33-0106100	600	CTC	PN10	508	1948	430	2666	1117	697	94	14	80	705
54-0600-33-1106100	600	CTC	PN16	508	1948	430	2666	1117	697	94	14	80	705
54-0700-33-0106100	700	CTC	PN10	610	2173	455	2913	1359	834	105	14	100	1500
54-0700-33-1106100	700	CTC	PN16	610	2173	455	2913	1359	834	105	14	100	1500

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	H open mm	W mm	W1 mm	F2 mm	Actuator flange	By-pass DN	Theoretical weight/kg
54-0800-33-0106100	800	CTC	PN10	660	2483	535	3383	1488	908	125	14	100	2000
54-0800-33-1106100	800	CTC	PN16	660	2483	535	3383	1488	908	125	14	100	2000
54-0900-33-0106100	900	CTC	PN10	711	2763	596	3723	1603	948	125	16	100	2700
54-0900-33-1106100	900	CTC	PN16	711	2763	596	3723	1603	948	125	16	100	2700
54-1000-33-1106100	1000	CTC	PN16	813	3083	648	4308	1707	1005	169	16	100	2850
54-1100-33-1306100	1100	CTC	PN16	811	3315	700	4549	1777	1024	144	25	100	4300
54-1200-33-1306100	1200	CTC	PN16	914	3591	773	4984	2036	1180	126	16	150	4878

