



AVK GATE VALVE, FLANGED, METAL SEATED, PN25

54/4142-002

SS stem, gunmetal seat, galv. 8.8 bolts, CTC/CTO, blue FBE/2-pack

AVK metal seated gate valves are designed for isolation of pipeline sections or individual pieces of equipment. The use of a ductile iron body and gate with bronze seal rings creates a heavy duty, watertight seal. The non-rising stem design ensures the stem thread is adequately lubricated by the water passing through the valve, a factor that safeguards the longevity 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 DN350-600 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.

Design standards:

- EN 1074 part 1 & 2
- Flange drilling EN1092, PN25

Test/Approvals:

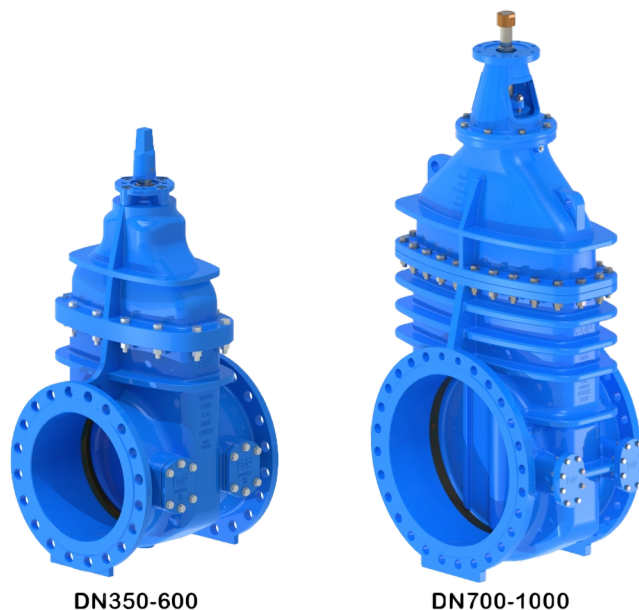
- Hydraulic test according to EN 1074-1 and 2 / EN 12266

Features:

- Gunmetal bronze valve seat
- Metal faces machined to a high finish for optimum contact and minimum leakage
- Stem in stainless steel
- DN350-600 an NBR wiper ring protecting against impurities from outside; full circle brass thrust collar provides fixation of the stem and low free running torques; a replaceable polyamide bearing with two O-rings 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 holes for easy handling
- All rubber and coating in contact with the water are drinking water approved
- Guides on the wedge helps provide steady operation
- DN350-800 protected by 250µm blue fusion bonded epoxy coating
- DN≥900 protected by 250µm blue 2-pack epoxy coating
- Prepared for by-pass

Accessories:

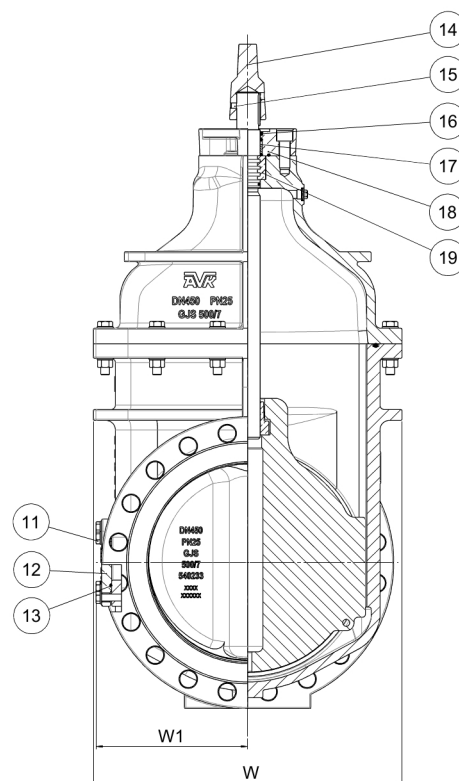
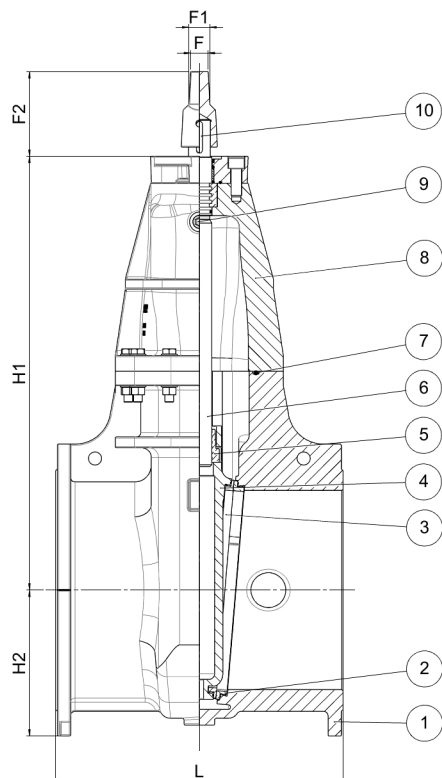
By-pass valve, handwheel (DN350-600), gearbox, actuator, extension spindle



DN350-600

DN700-1000

Expect... **AVR**

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1. Body	Ductile iron GJS-500-7 (GGG-50)	14. Stem cap ⁽¹⁾	Grey iron
2. Seat ring	Bronze CC491K (LG2)	15. Screw ⁽¹⁾	Stainless steel A2
3. Face ring	Bronze CC491K (LG2)	16. Wiper ring ⁽¹⁾	NBR rubber
4. Wedge	Ductile iron GJS-500-7 (GGG-50)	17. Bearing ⁽¹⁾	Polyamide
5. Wedge nut	Alu-bronze CC333G (AB2)	18. Seal housing ⁽¹⁾	Ductile iron GJS-500-7 (GGG-50)
6. Stem	Stainless steel 1.4057 (431)	19. Thrust collar ⁽¹⁾	Alu-bronze CC331G (AB1)
7. O-cord	EPDM rubber	20. Thrust nut ⁽²⁾	Alu-bronze CW307G
8. Bonnet	Ductile iron GJS-500-7 (GGG-50)	21. Distance piece ⁽²⁾	Ductile iron GJS-500-7 (GGG-50)
9. Air plug	Stainless steel 1.4401 (316)	22. Gland ⁽²⁾	Ductile iron GJS-500-7 (GGG-50)
10. Key	Steel C45 (1.0503)	23. Packing ⁽²⁾	PTFE
11. Bolts	Steel, hot dip galvanized	24. Gasket ⁽²⁾	EPDM rubber
12. Blanking plate	Ductile iron GJS-500-7 (GGG-50)	25. Stuffing box ⁽²⁾	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⁽²⁾ DN700-1000**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
54-0350-41-7141106	350	CTC	PN25	572	834	278	598	278	40	48	189	F14	398
54-0350-42-7141106	350	CTO	PN25	572	834	278	598	278	40	48	189	F14	398
54-0400-41-7141106	400	CTC	PN25	610	910	310	658	298	40	48	189	F14	524
54-0400-42-7141106	400	CTO	PN25	610	910	310	658	298	40	48	189	F14	524
54-0450-41-7141106	450	CTC	PN25	660	995	335	708	348	40	48	194	F14	653
54-0450-42-7141106	450	CTO	PN25	660	995	335	708	348	40	48	194	F14	653
54-0500-41-7141106	500	CTC	PN25	711	1073	365	779	348	40	48	194	F14	768
54-0500-41-7142106	500	CTC	PN25	711	1073	365	779	348	40	48	194	F16	768
54-0500-42-7141106	500	CTO	PN25	711	1073	365	779	348	40	48	194	F14	768

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
54-0600-41-7142106	600	CTC	PN25	787	1240	423	904	408	40	48	194	F16	1162
54-0600-42-7141106	600	CTO	PN25	787	1240	423	904	408	40	48	194	F14	1162
54-0600-42-7142106	600	CTO	PN25	787	1240	423	904	408	40	48	194	F16	1162
54-0700-41-7143106	700	CTC	PN25	810	1749	513	1164	617	-	-	177	F25	2147
54-0700-42-7143106	700	CTO	PN25	810	1749	513	1164	617	-	-	177	F25	2147
54-0800-41-7144106	800	CTC	PN25	810	1900	563	1239	642	-	-	195	F30	2501
54-0800-42-7144106	800	CTO	PN25	810	1900	563	1239	642	-	-	195	F30	2501
54-0900-41-7343106	900	CTC	PN25	810	2118	613	1405	735	-	-	177	F25	3811
54-0900-41-7344106	900	CTC	PN25	810	2118	613	1405	735	-	-	191	F30	3811
54-0900-42-7344106	900	CTO	PN25	810	2118	613	1405	735	-	-	191	F30	3811
54-1000-41-7344106	1000	CTC	PN25	910	2273	680	1495	765	-	-	235	F30	4371
54-1000-42-7344106	1000	CTO	PN25	910	2273	680	1495	765	-	-	235	F30	4371

