



## AVK SWING CHECK VALVE, METAL SEATED

41/36

Right-side lever and weight, DN 50-300, PN10/16

009

AVK series 41 swing check valves come with both metal and resilient seats. Installed in pumping applications to prevent back flow they can be used for drinking water as well as waste water. The disc is connected to the shaft via a flexible bush that allows disc and valve seat to adjust exactly. All interior parts are stainless steel or coated with drinking water approved epoxy or EPDM. The series 41 valves are available with either closed bushings or protruding shaft end where a lever with a weight or a spring can be fitted to mitigate pressure surges.

### Product Description:

Metal seated swing check valve with lever and weight for drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 1074 - 3
- Face to face according to EN 558 Table 2 Basic Series 10
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

### Test/Approvals:

- Hydraulic test according to EN 1074-3.
- Seat: 1.1×PN (in bar), Body: 1.5×PN (in bar).

### Features:

- Clear way and full bore for low head loss and easy pig-cleaning
- Metal seat in gunmetal bronze for high durability
- Shaft fitted in the bonnet allowing for easy maintenance without removing valve from pipeline
- Shaft in 1.4021 (AISI 420), bolts and washers in 1.4301 (AISI 304) acid resistant stainless steel
- Position indicating lever with an adjustable weight that aids the disc in closing quickly to reduce water hammer
- Hinge of stainless steel for sizes  $\leq$  DN 200; ductile iron coated with drinking water approved epoxy for larger
- Ductile iron disc covered with drinking water approved EPDM
- Bonnet gasket lying in a groove between bonnet and body prevents blow-out
- All seals and coatings with contact to the fluid are approved for drinking water - coating is blue, 250µm fusion bonded epoxy
- Disc mounted in a flexible rubber bushing allowing it to tilt slightly in all directions and adjust exactly to the valve seat
- Bosses on each side of the valve seat allow for installation of pressure gauge, by-pass, etc.

### Accessories:

Guard around lever and weight, combi-flanges, proximity switch, flange adaptors.

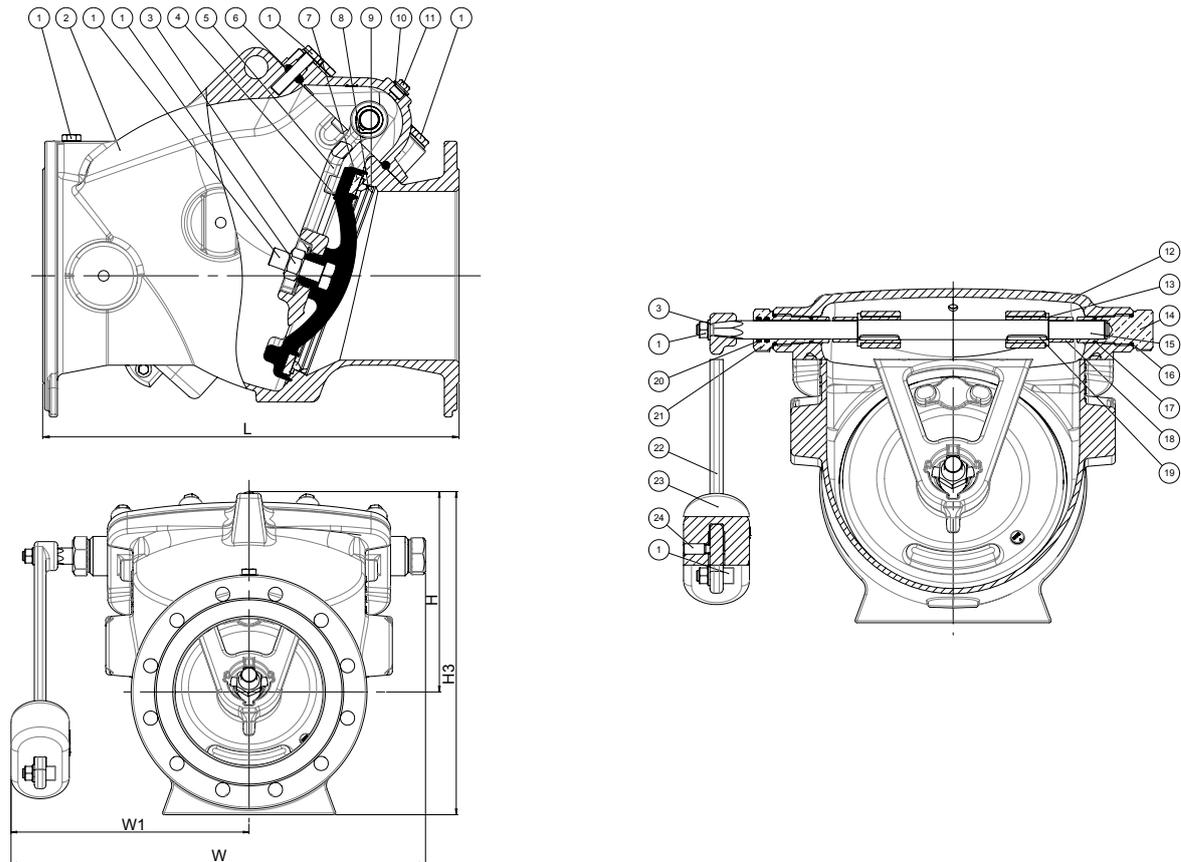


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## Component List:

1. Bolts and Nuts	Stainless steel A2	2. Body	Ductile iron, EN-GJS-500-7 (GGG-50)
3. Washers	Stainless steel A2	4. Disc	Duct. Iron covered with EPDM
5. Hinge	DN≤200: Stainless Steel; DN≥250: Epoxy coated DI	6. Gasket	EPDM
7. Face ring	Gunmetal Bronze, CC491K	8. O-ring	NBR rubber
9. Seat ring	Gunmetal Bronze, CC491K	10. Washer	Copper
11. Air plug	Stainless Steel, 1.4404 (316)	12. Bonnet	Ductile iron, EN-GJS-500-7 (GGG-50)
13. Connector	Stainless Steel, 1.4408 (316)	14. Bushing closed	Dezinc. resist. brass, CW602N
15. Shaft	Stainless Steel, 1.4021 (420)	16. O-ring	NBR rubber
17. O-ring	NBR rubber	18. Spacer	Stainless Steel, 1.4404 (316)
19. Key	Stainless Steel, 1.4404 (316)	20. O-ring	NBR rubber
21. Bushing open	Dezinc. resist. brass, CW602N	22. Lever	Ductile iron, EN-GJS-500-7 (GGG-50)
23. Weight	Ductile iron, EN-GJS-500-7 (GGG-50)	24. Screw	Stainless steel A2

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

## Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	L mm	H mm	H3 mm	W mm	W1 mm	Theoretic. weight kg
41-050-36-01800	50	PN10/16	203	125	210	250	155	13
41-080-36-01800	80	PN10/16	241	140	240	245	145	19
41-100-36-01800	100	PN10/16	292	155	265	270	170	22
41-150-36-01800	150	PN10/16	356	220	360	340	205	41
41-200-36-01800	200	PN16	495	250	420	395	230	64
41-250-36-01800	250	PN16	622	347	560	712	409	145
41-300-36-01800	300	PN16	699	395	650	715	405	195

The designs, materials and specifications shown are subject to change without notice. This is due to the continuous development of our product programme.