



AVK SWING CHECK VALVE, METAL SEATED

41/36-010

Right side guarded lever and weight, 1.4404 shaft, PN10/16

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 guard covering lever and weight for drinking water and neutral liquids to max. 70°C

Standards:

- Designed according to EN 1074-3
- Face-to-face dimension according to EN 558 Table 2 Basic Series 10
- Flange drilling to EN1092, PN10/16

Test/Approvals:

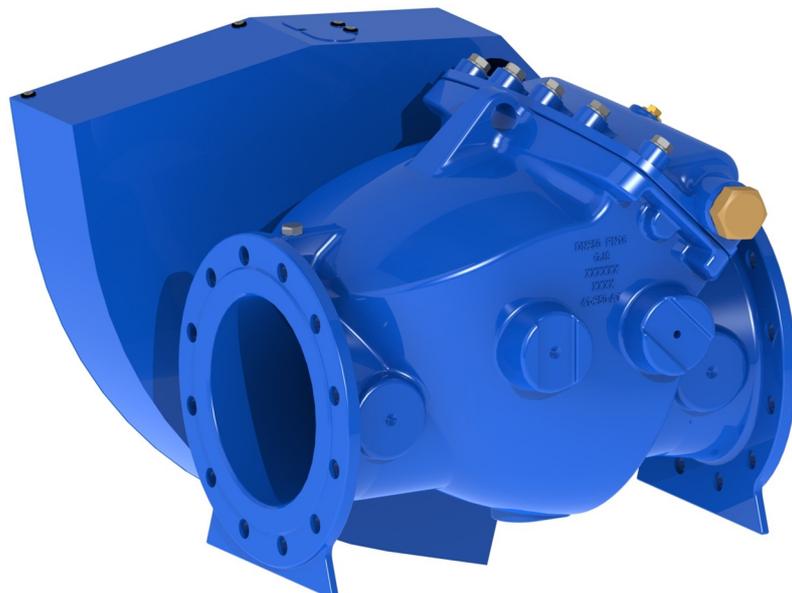
- Hydraulic test according to EN 1074-3.
- Seat: 1.1×PN (in bar), Body: 1.5×PN (in bar).

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, bolts and washers in 1.4404 (AISI 316L) acid resistant stainless steel
- Position indicating lever with an adjustable weight that aids the disc in closing quickly to reduce water hammer, guard on lever mechanism
- Hinge of stainless steel for sizes ≤ 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, 300µm 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:

Combi-flanges, proximity switch, flange adaptors.

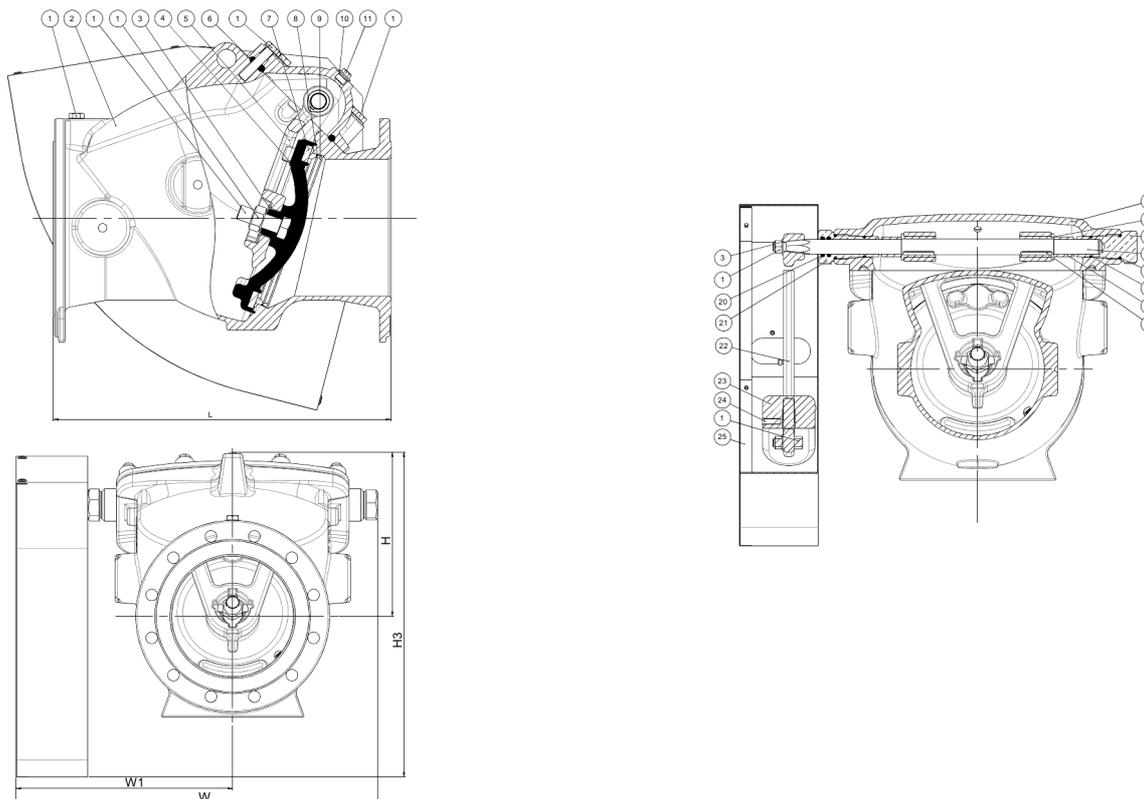


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Component list:

1. Bolt/nut	Stainless steel A4	14. Bushing, closed	Brass CW614N
2. Body	Ductile iron GJS-500-7 (GGG-50)	15. Shaft	Stainless steel 1.4401 (316)
3. Washer	Stainless steel A4	16. O-ring	NBR rubber
4. Disc	Ductile iron, EPDM encapsulated	17. O-ring	NBR rubber
5. Hinge	Stainless steel / ductile iron	18. Spacer	Stainless steel 1.4401 (316)
6. Gasket	EPDM rubber	19. Key	Stainless steel 1.4401 (316)
7. Face ring	Bronze CC491K	20. O-ring	NBR rubber
8. O-ring	NBR rubber	21. Bushing, open	Brass CW614N
9. Seat ring	Bronze CC491K	22. Lever	Ductile iron GJS-500-7 (GGG-50)
10. Washer	Copper	23. Weight	Ductile iron GJS-500-7 (GGG-50)
11. Air plug	Stainless steel 1.4401 (316)	24. Screw	Stainless steel A4
12. Bonnet	Ductile iron GJS-500-7 (GGG-50)	25. Guard	Ductile iron GJS-500-7 (GGG-50)
13. Connector	Stainless steel 1.4408 (CF8M), cast		

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

Reference nos. and dimensions:

AVK ref. no.	DN	Flange	L	H	H3	W	W1	Theoretical weight/kg
	mm	drilling	mm	mm	mm	mm	mm	
41-050-36-0180166	50	PN10/16	203	125	215	260	165	15
41-080-36-0180166	80	PN10/16	241	140	205	265	165	21
41-100-36-0180166	100	PN10/16	292	155	250	276	176	25
41-150-36-0180166	150	PN10/16	356	220	315	346	211	46
41-200-36-0180166	200	PN16	495	250	367	406	241	71
41-250-36-0180166	250	PN16	622	347	665	725	422	155
41-300-36-0180166	300	PN16	699	395	688	732	732	205

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