



## AVK SWING CHECK VALVE, RESILIENT SEATED, PN 16

SERIES 41

DN50-300



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:

Resilient seated swing check valve with enclosed shaft end. For drinking water and neutral liquids to max. 70°C

### Standards:

- Designed according to EN 1074 - 3
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16



### Features:

- Resilient seat provides a drop tight closure and due to the light weight it requires a minimum of force to open/close
- Shaft fitted in the bonnet allowing for easy maintenance without removing valve from pipeline
- Shaft material 1.4021 (AISI 420) stainless steel
- Hinge in stainless steel for sizes  $\leq$  DN 200; ductile iron coated with drinking water approved epoxy for larger
- Bonnet gasket in a groove between bonnet and body to prevent blow-out
- All seals and coatings with contact to the fluid are approved for drinking water - coating is blue, 250 $\mu$ m fusion bonded epoxy
- Disc design with a steel insert fully vulcanized with EPDM rubber
- Bosses on each side of the valve seat allow for installation of pressure gauge, by-pass, etc.

### Accessories:

Combi-flanges, flange adaptor.

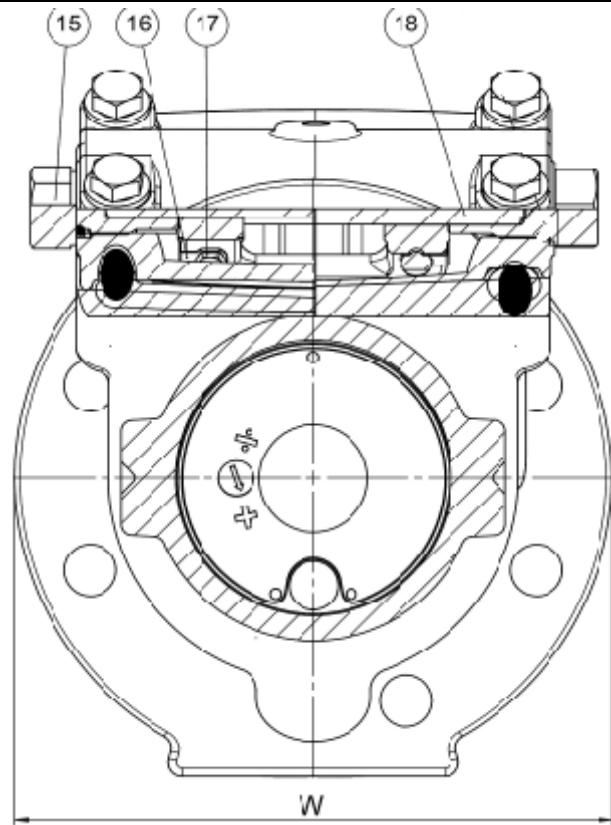
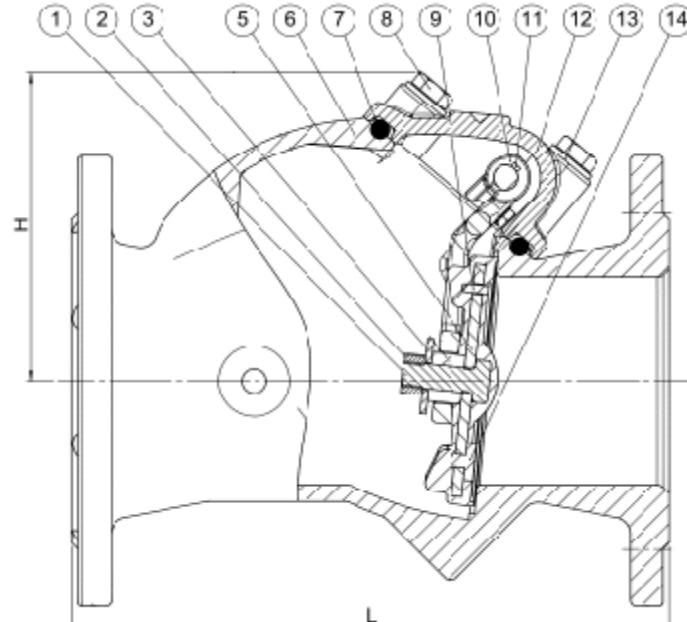


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### Component list:

1. Bolt	Stainless steel A4	11. Key	Stainless steel A4
2. Nut	Stainless steel A2	12. Bonnet	Ductile iron GJS-500-7 (GGG-50)
3. Washer	Stainless steel A4	13. Washer	Stainless steel A4
5. Disc	Steel / EPDM	14. Thrust plate	Stainless steel
6. Body	Ductile iron GJS-500-7 (GGG-50)	15. Bushing, closed	Brass, DZR
7. Gasket	EPDM rubber	16. Tab washer	Stainless steel A4
8. Bolt	Stainless steel A2	17. Bolt	Stainless steel A4
9. Pin	Stainless steel A4	18. Shaft	Stainless steel 420
10. Hinge	Stainless steel 316		

Components may be substituted with equivalent or higher class materials without prior notification.  
Item 10: Ductile iron for DN ≥ 250

### Reference nos. and dimensions:

AVK ref. no.	DN	Flange drilling	L	H	W	Theoretical weight / kg
	mm		mm	mm	mm	
41-050	50	PN16	203	110	190	13
41-065	65	PN16	240	140	185	17
41-080	80	PN16	241	140	200	20
41-100	100	PN16	292	150	220	26
41-150	150	PN16	356	195	285	51
41-200	200	PN16	495	230	340	83
41-250	250	PN16	622	270	606	183
41-300	300	PN16	698	300	606	231