



AVK SWING CHECK VALVE, RESILIENT SEATED PN10/16

41/60-003

With free shaft end, 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:

Swing check valve - resilient seated with free shaft end 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 48
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN10/16

Test/Approvals:

- Hydraulic test according to EN12050-4
- Approved according to ACS-France
- Belgaqua approved

Features:

- Clear way and full bore for low head loss and easy pig-cleaning
- 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 in 1.4021 (AISI 420) stainless steel
- Free protruding shaft end for mounting of lever and weight or spring to assist valve closing and avoid water hammer
- Hinge of stainless steel for sizes ≤ DN 200; ductile iron coated with drinking water approved epoxy for larger sizes
- 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 is designed 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:

Lever and weight, lever and spring, guard around lever and weight, combi-flanges, flange adaptors.



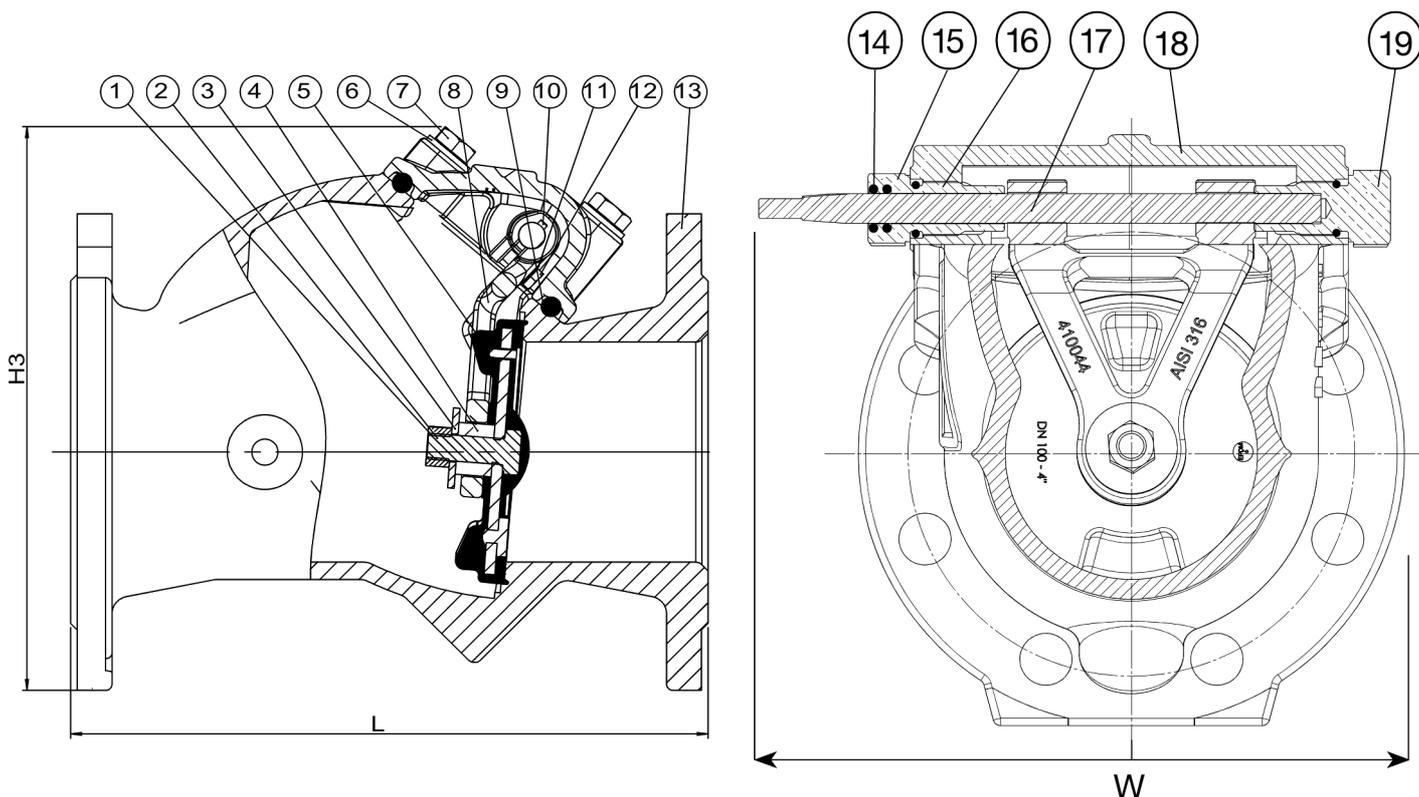
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Component list:

1. Nut	Stainless steel A4	11. Washer	Stainless steel A4
2. Bolt	Stainless steel A4	12. Bolt	Stainless steel A4
3. Washer	Stainless steel A4	13. Body	Ductile iron GJS-500-7 (GGG-50)
4. Spacer	Polyamide	14. O-ring	NBR rubber
5. Disc ⁽¹⁾	Steel S235JR /EPDM	15. Bushing, open	Dezincification resistant brass
6. Washer	Stainless steel A2	16. O-ring	NBR rubber
7. Bolt	Stainless steel A2	17. Shaft	Stainless steel 420
8. Hinge ⁽²⁾	Stainless steel 316	18. Bonnet	Ductile iron GJS-500-7 (GGG-50)
9. Bonnet gasket	EPDM rubber	19. Bushing, closed	Dezincification resistant brass
10. Key	Stainless steel A4		

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

1) DN50: Bronze/EPDM, DN250-300: Ductile iron/EPDM

2) DN ≥250: Ductile iron

Reference nos. and dimensions:

AVK ref. no.	DN mm	Flange drilling	L mm	H3 mm	W mm	Theoretical weight/kg
41-050-60-018	50	PN10/16	200	193	221	13
41-065-60-018	65	PN10/16	240	233	231	16
41-080-60-018	80	PN10/16	260	240	261	20
41-100-60-018	100	PN10/16	300	260	323	21
41-125-60-018	125	PN10/16	350	322	323	36
41-150-60-018	150	PN10/16	400	338	340	51
41-200-60-008	200	PN10	500	400	395	83
41-200-60-018	200	PN16	500	400	395	83
41-250-60-008	250	PN10	600	568	635	183
41-250-60-018	250	PN16	600	568	635	183
41-300-60-008	300	PN10	700	640	664	231
41-300-60-018	300	PN16	700	640	664	231

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