



## AVK SWING CHECK VALVE, RESILIENT SEATED, PN 10/16

41/61-003

Enclosed 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:

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
- Face to face according to EN 558 Table 2 Basic Series 48
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

### Test/Approvals:

- Hydraulic test according to EN12050-4
- Approved according to LGA Certificate No. 0220030

### 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
- 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 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:

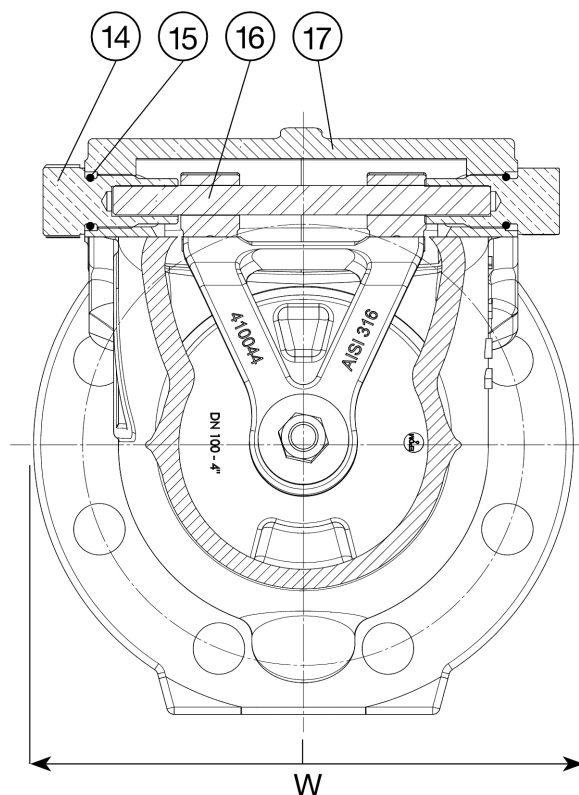
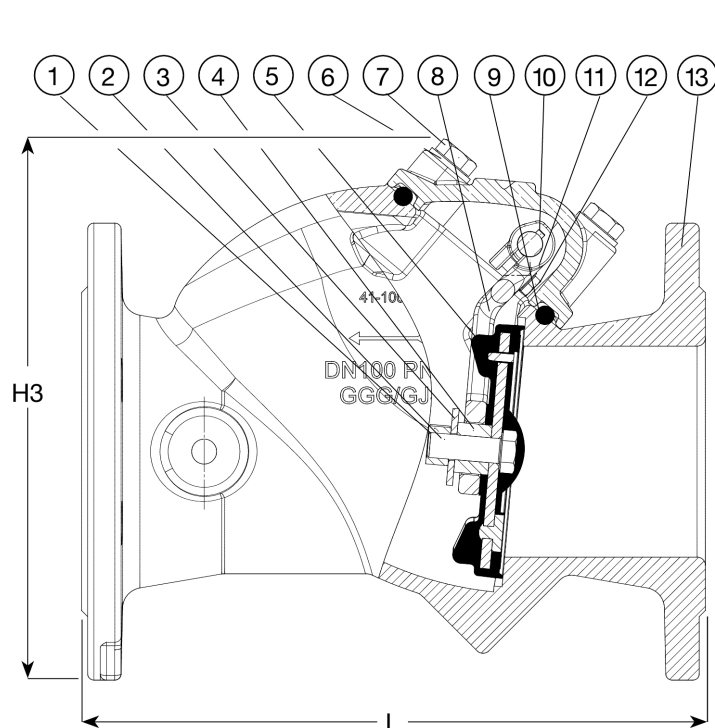
Combi-flanges, flange adaptors



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**AVK SWING CHECK VALVE, RESILIENT SEATED, PN 10/16****41/61-003****Enclosed shaft end, DN50-300****Component list:**

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

Components may be substituted with equivalent or higher class materials without prior notification.  
 Item 8: Ductile iron for DN ≥ 250

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Flange drilling	L mm	H3 mm	W mm	Theoretical weight / kg
41-050-61-018	50	PN10/16	200	193	190	13
41-065-61-018	65	PN10/16	240	233	190	17
41-080-61-018	80	PN10/16	260	240	200	20
41-100-61-018	100	PN10/16	300	260	220	26
41-125-61-018	125	PN10/16	350	322	273	40
41-150-61-018	150	PN10/16	400	338	285	51
41-200-61-008	200	PN10	500	400	340	83
41-200-61-018	200	PN16	500	400	340	83
41-250-61-008	250	PN10	600	473	606	183
41-250-61-018	250	PN16	600	473	606	183
41-300-61-008	300	PN10	700	541	606	231
41-300-61-018	300	PN16	700	541	606	231

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