



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:

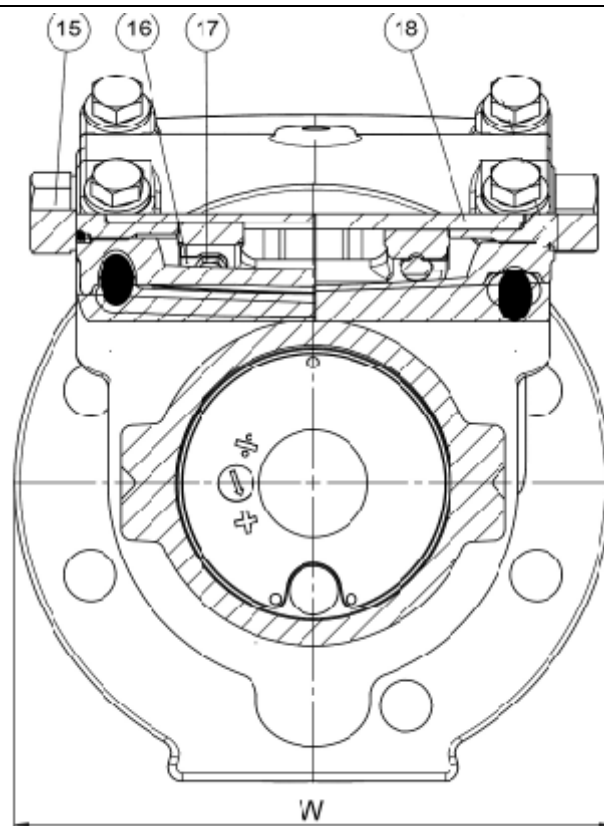
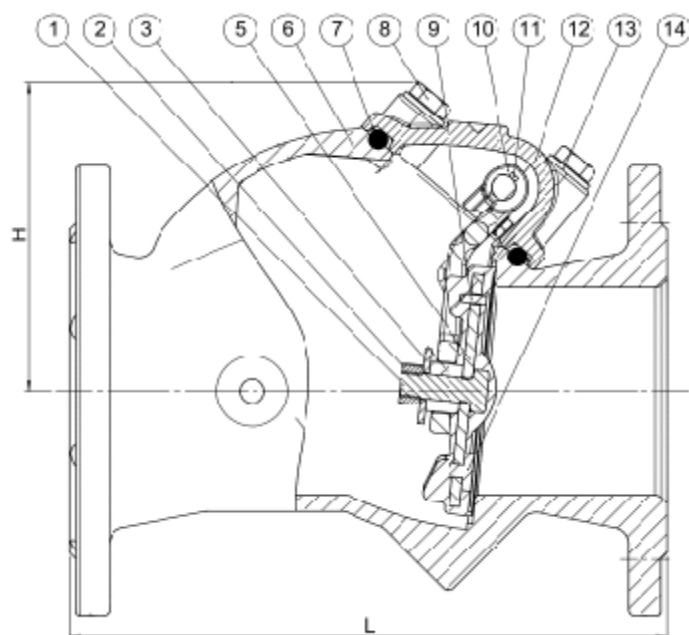
- Resilient seat provides a drop tight closure and due to the light weight it requires a minimum of force to open/close
- Shaft fitted in the bonnet allowing for easy maintenance without removing valve from pipeline
- Shaft material 1.4021 (AISI 420) stainless steel
- Hinge in stainless steel for sizes \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, 250µm 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.



Expect... **AVK**



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 | L | H | W | Theoretical weight / kg |
|--------------|-----|----------|-----|-----|-----|-------------------------|
| | mm | drilling | 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 |