

SWING CHECK VALVE, RESILIENT SEATED, PN10/16

41/61-004

Enclosed shaft end, NBR rubber, shaft of 1.4404 stainless steel, DN50-300

Wastewater

AVK series 41 swing check valves are typically installed in pumping applications to prevent back flow. The disc is connected to the shaft via a flexible bush that allows disc and valve seat to adjust exactly. All internal components are in stainless steel or epoxy coated ductile iron. The swing check 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.

Use:

Resilient seated swing check valve with enclosed shaft end, NBR. For wastewater 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

Features:

- Full bore for low head loss
- Resilient seat provides a drop tight closure and due to the light weight, it requires a minimum of force to open
- Shaft fitted in the bonnet allowing for easy maintenance without removing valve from pipeline
- Shaft in 1.4404 (AISI 316L) stainless steel
- Hinge in stainless steel for sizes ≤DN 200; epoxy coated ductile iron for larger sizes
- Bonnet gasket is securely seated in a precision groove between the bonnet and body and encapsulates the bonnet bolts ensuring sealing integrity and blow-out protection
- 250 µm fusion bonded epoxy coating
- Disc is designed with a steel or ductile iron insert fully vulcanized with NBR rubber and a lip seal to ensure tightness
- Bosses on each side of the valve seat allow for installation of pressure gauge, by-pass, etc.

Accessories:

Combi-flanges, flange adaptors

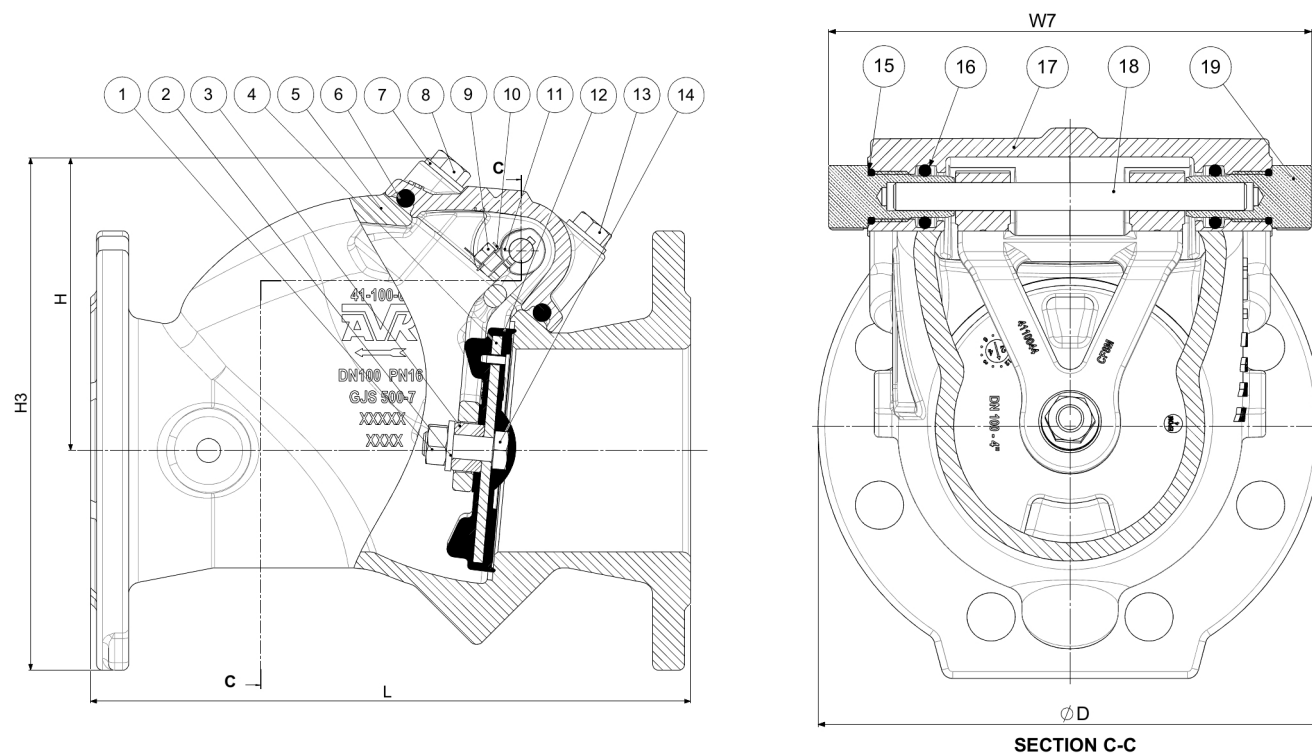


The designs, materials, dimensions and specifications shown are subject to change without notice due to the continuous development of our product range.

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Component list:

1. Nut	Stainless steel A4	11. Washer	Stainless steel A4
2. Washer	Stainless steel A4	12. Hinge ⁽²⁾	Stainless steel 316
3. Spacer	PA	13. Bonnet bolt	Stainless steel A4
4. Disc insert ⁽¹⁾	Steel S275JR	14. Bolt	Stainless steel A4
5. Body	Ductile iron GJS-500-7	15. O-ring	NBR rubber
6. Bonnet gasket	NBR rubber	16. O-ring	NBR rubber
7. Washer	Stainless steel A4	17. Bonnet	Ductile iron GJS-500-7
8. Bonnet bolt	Stainless steel A4	18. Shaft	Stainless steel 1.4404
9. Disc rubber	NBR rubber	19. Bushing	Brass, DZR CW602N
10. Bolt	Stainless steel A4		

Metallic components may be substituted with equivalent or higher-grade materials without prior notice, provided that this is in compliance with the approvals.

1) DN50:1.4401, DN≥250: GJS-500-7

2) DN≥250: GJS-500-7

Reference nos. and dimensions:

AVK ref. no.	DN	Flange	H	H3	L	W7	D	Theoretical
	mm	drilling	mm	mm	mm	mm	mm	weight/kg
41-050-61-01C0006	50	PN10/16	120	202	200	190	165	12
41-065-61-01C0006	65	PN10/16	136	228	240	190	185	15
41-080-61-01C0006	80	PN10/16	135	235	260	190	200	16
41-100-61-01C0006	100	PN10/16	150	260	300	211	220	21
41-125-61-01C0006	125	PN10/16	211	346	350	274	250	39
41-150-61-01C0006	150	PN10/16	212	354	400	274	285	47
41-200-61-00C0006	200	PN10	247	417	500	324	340	66
41-200-61-01C0006	200	PN16	247	417	500	324	340	66
41-250-61-00C0006	250	PN10	347	571	600	606	405	185
41-250-61-01C0006	250	PN16	347	571	600	606	405	185
41-300-61-00C0006	300	PN10	391	654	699	606	460	200
41-300-61-01C0006	300	PN16	391	654	699	606	460	200

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