



AVK DOUBLE ORIFICE AIR RELIEF VALVE, PN10/16 ABS float guides and guide ring, A2 bolts

851/41-001

AVK double orifice, triple acting air valves are designed for automatic rapid pipe filling and pipe draining as well as for automatic discharge of accumulated air during normal working conditions. The unique 'Aerokinetic' design, where air rushing out of the system cannot force the float upwards and close it prematurely, makes sure that the valve closes only after all air has left the system and water has entered the chamber. All ductile iron components are coated with GSK approved fusion bonded epoxy to ensure high durability. All other components are made by either a WRAS approved polymer material or stainless steel to minimize corrosion risk. All seals are made of WRAS approved EPDM rubber featuring an excellent compression set and ability to regain its original shape.

Product description:

Air relief valve for drinking water (not wastewater) and neutral liquids max. 70° C

Standards:

- Designed according to EN 1074-4
- Standard flange drilling to EN1092-2 (ISO 7005-2), PN 10/16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 2 / EN 12266
- Approved according to WRAS

Features:

- A clever float design prevents air rushing out of the system from prematurely closing the valve
- Large air flow capacity
- All iron parts with contact to the water are coated with drinking water approved, fusion bonded epoxy
- The resilient seals are made of EPDM rubber and the seat is ABS, all drinking water approved
- All other internal parts are highly corrosion resistant AISI 316 stainless steel or ABS
- No moving parts are touching the internal coating
- The complete product is approved for drinking water

Accessories:

Tool for orifice cover

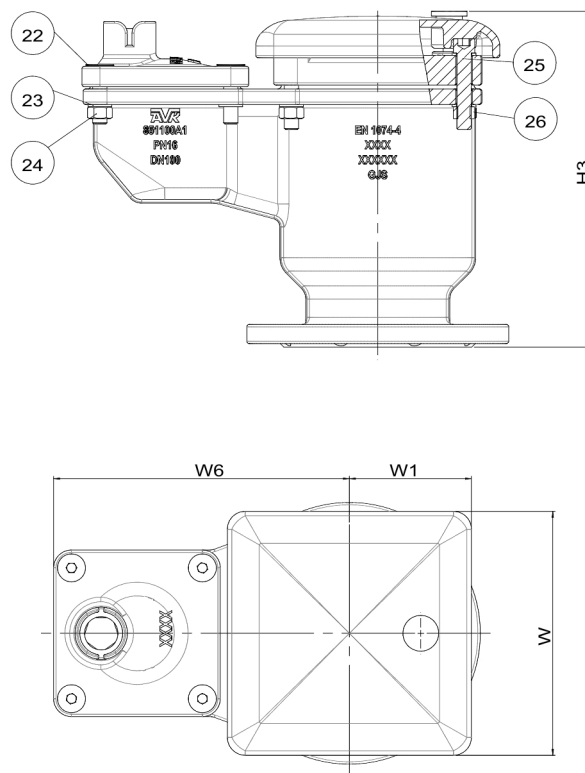
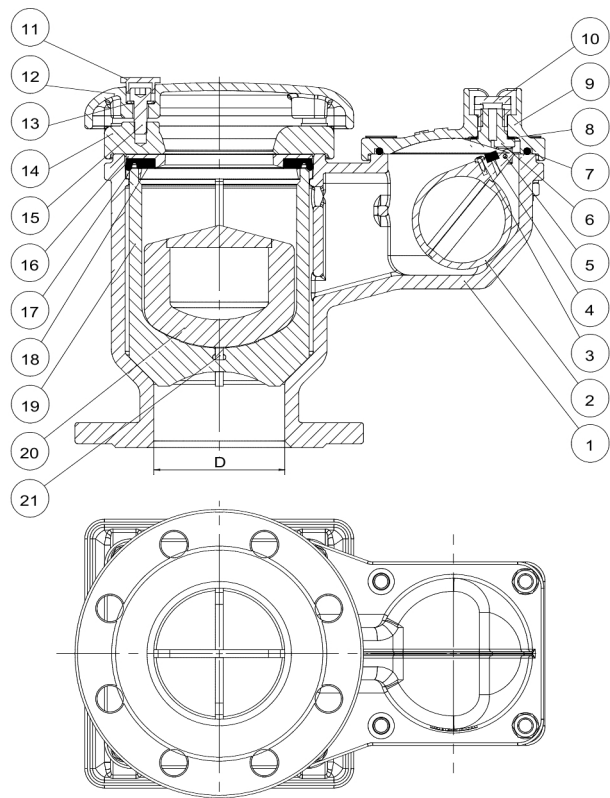


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The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

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ABS float guides and guide ring, A2 bolts

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Component list:

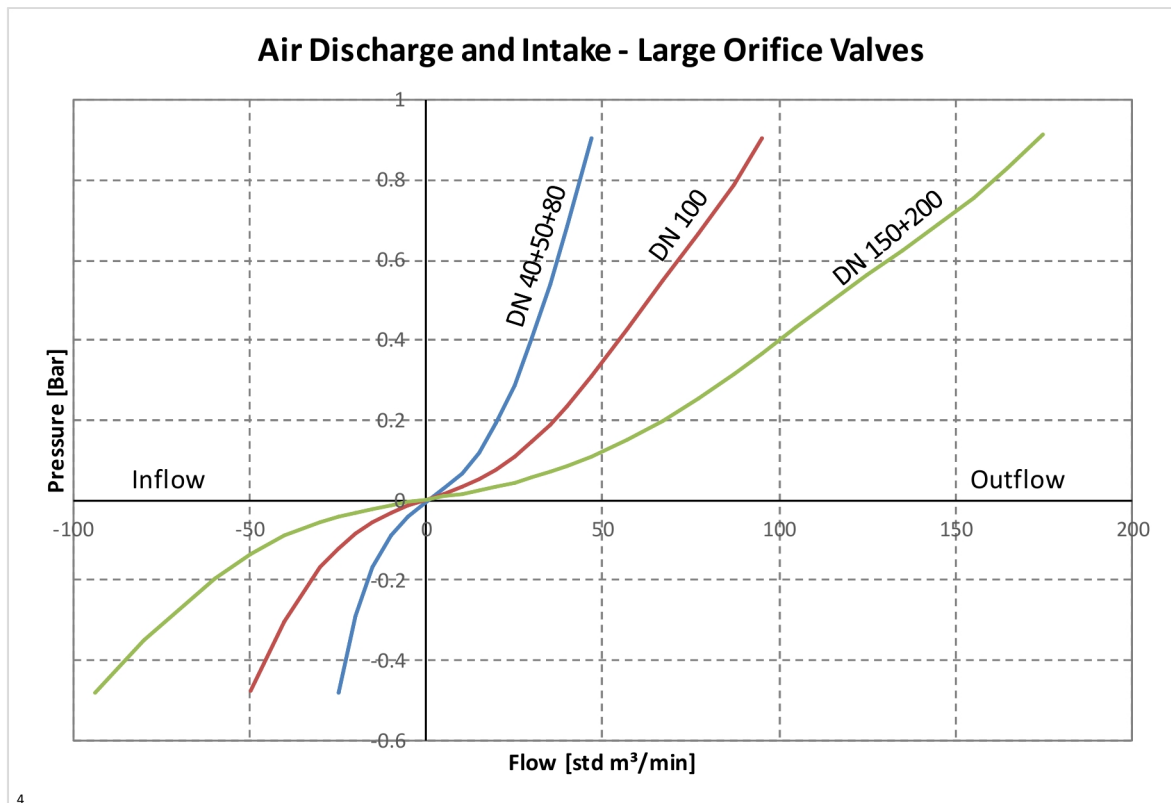
1. Body	Ductile iron GJS-500-7 (GGG-50)	14. Bonnet	Ductile iron GJS-500-7 (GGG-50)
2. Small orifice float	ABS	15. Bolt	Stainless steel A2
3. Screw	Stainless steel A4	16. Seat ring	ABS
4. Sealing face	EPDM rubber	17. Guide ring	ABS
5. Split pin	Stainless steel A4	18. Seal ring	EPDM rubber
6. Orifice bracket	Polyamide	19. Float guide bottom	ABS
7. O-ring	EPDM rubber	20. Large orifice float	ABS
8. Gasket	EPDM rubber	21. Float guide top	ABS
9. Bonnet	Ductile iron GJS-500-7 (GGG-50)	22. Bolt	Stainless steel A2
10. Orifice cover	Polyamide	23. Washer	Stainless steel A2
11. Plug	Plastic	24. Nut	Stainless steel A4
12. Cowl	Ductile iron GJS-500-7 (GGG-50)	25. Bolt	Stainless steel A2
13. Washer	Stainless steel A2	26. Nut	Stainless steel A4

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

Reference nos. and dimensions:

AVK ref. no.	D mm	Flange DN	Flange drilling	H3 mm	W mm	W1 mm	W6 mm	Theoretical weight/kg
851-040-41-111000	50	DN 40	PN10/16	277	165	82	220	16
851-050-41-111000	50	DN 50	PN10/16	277	165	82	220	16
851-080-41-111000	80	DN 80	PN10/16	277	165	82	220	17
851-100-41-111000	100	DN 100	PN10/16	283	205	102	248	23
851-150-41-111000	150	DN 150	PN10/16	345	255	127	286	36
851-200-41-011000	150	DN 200	PN10	345	255	127	286	40
851-200-41-111000	150	DN 200	PN16	345	255	127	286	40

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Air venting - Small Orifice Valve

