

For wastewater, steel



AVK combination air valves are designed to combine large volume of air discharge/intake whilst filling/draining a pipeline with automatic discharge of air from the fluid. They feature an innovative design with a large air gap between liquid and sealing system. A spring between stem and float compensates for slight pressure changes and maintains the air gap ensuring reliable function even when used with aggressive liquids and liquids carrying solid particles.

Product Description:

Combination air valve for wastewater treatment to max. 60°C (temporarily up to 90°C)

Standards:

• Standard flange drilling to EN1092-2 (ISO 7005-2), PN 16

Test/Approvals:

- Hydraulic test according to EN 1074-1 and 4 / EN 12266.
- Approved for wastewater

Features:

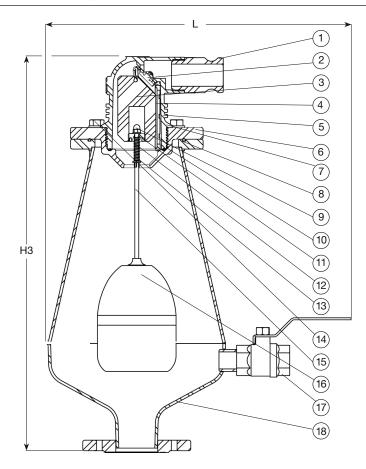
- Orifice sizes: Automatic 12 mm², kinetic 804 mm²
- The large air gap between liquid and sealing system ensures a reliable function even when used with aggressive liquids and liquids carrying solid particles
- The small orifice in the automatic valve releases small volumes of air when the line is under pressure
- The spring between the stem and upper float prevents unnecessary activation of the automatic function, as it compensates for slight pressure changes
- The float assembly of polycarbonate/acid-resistant stainless steel ensures high corrosion resistance.
- The conical body with funnel-shaped lower body allows maximum air volume within minimum valve length and prevents accumulation of deposits at the bottom
- The epoxy coated steel body features low weight
- Drainage and flushing from external clean water source is possible through the drain in the valve's side
- An exhaust tube can be mounted to the quick connector at opening at the top of the valve
- With connection flange or 2" BSP thread
- Working pressure range: 0.2 16 bar

Accessories:

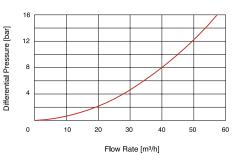
Gate valve, butterfly valve, combi-flange, flange adaptor, knife gate valve



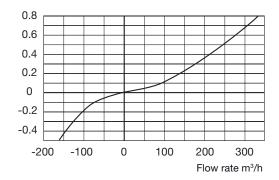
AVK COMBINATION AIR VALVE, PN 16



AUTOMATIC AIR RELEASE FLOW RATE



Air and vacuum flow rate



Component List:

1. Drainage elbow	Polypropylene (11/2" BSP-female)	2. Rolling seal assembly	Reinforced polyamide/ EPDM/stainless steel
3. Float	Polypropylene	4. Clamping stem	Reinforced polyamide
5. Body	Reinforced polyamide	6. Cover	Reinforced polyamide
7. O-ring	NBR rubber	8. O-ring	NBR rubber
9. Crown nut	Stainless steel	10. Base	Reinforced polyamide
11. Stopper	Polypropylene	12. Spring	Acid-resistant stainless steel AISI 316
13. Washer	Acid-resistant stainless steel AISI 316	14. Bolt and nut	Acid-resistant stainless steel AISI 316
15. Stem	Acid-resistant stainless steel AISI 316	16. Float assembly	Polycarbonate/ SS AISI 316
17. Drainage elbow	Stainless steel (1/4" BSP)	18. Body	Steel
Components may be substituted	d with equivalent or higher class materials without prior notif	fication.	

Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Flange drilling	Connection	L mm	H3 mm	Theoretic. weight kg	
701-050-70-11003	50	PN16	50 MM FL	550	605	17	
701-051-70-91003	50	N/A	2" BSP	550	644	16	
701-080-70-11003	80	PN16	80 MM FL	550	605	18	
701-100-70-11003	100	PN16	100 MM FL	550	605	19	
701-150-70-11003	150	PN16	150 MM FL	550	610	21	
701-200-70-01001 (1)	200	PN10	200 MM FL	422	610	24	
701-200-70-11003	200	PN16	200 MM FL	550	610	24	
⁽¹⁾ PN10							

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