



## AVK COMBINATION AIR VALVE, PN 10

701/75

For wastewater, reinforced polyamide, compact design

010

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:

Short combination air valve - PN 10 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 mm<sup>2</sup>, kinetic 804 mm<sup>2</sup>
- 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 orifice in the automatic valve releases volumes of air when the line is under pressure
- The spring between the stem and upper float compensates for slight pressure changes
- The lower float system with float of polypropylene and stem and spring of 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 body of reinforced polyamide 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 on the quick connector at the top of the valve
- With connection flange or 2"-3" BSP thread
- Working pressure range: 0.2 – 10 bar

### Accessories:

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

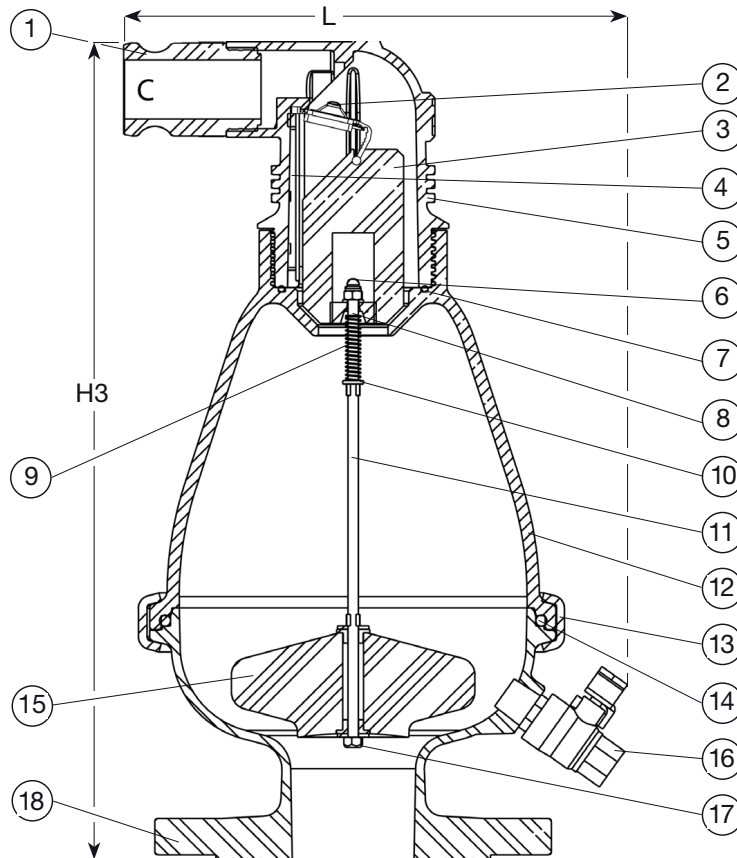


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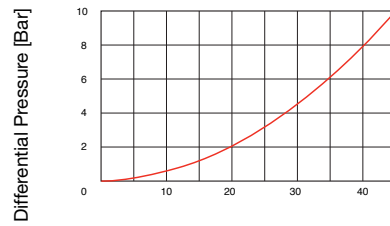
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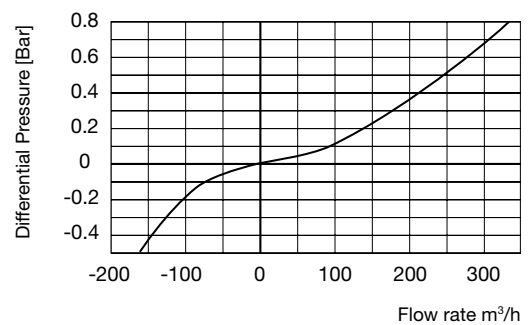
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**Automatic air discharge**



**Air and vacuum flow rate**



## Component List:

1. Drainage elbow	Polypropylene (1½" BSP-female)	2. Rolling seal assembly	Reinforced polyamide/ EPDM/stainless steel
3. Float	Foamed polypropylene	4. Clamping stem	Reinforced polyamide
5. Body	Reinforced polyamide	6. Crown nut	Acid-resistant stainless steel AISI 316
7. O-ring	NBR rubber	8. Stopper	Polypropylene
9. Spring	Acid-resistant stainless steel AISI 316	10. Washer	Acid-resistant stainless steel AISI 316
11. Stem	Acid-resistant stainless steel AISI 316	12. Body	Reinforced polyamide
13. Clamp	Acid-resistant stainless steel AISI 316	14. O-ring	BUNA-N
15. Float	Polypropylene	16. Drainage outlet	Stainless steel (1/4" BSP)
17. Washer	Acid-resistant stainless steel AISI 316	18. Base	Reinforced polyamide

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

## Reference Nos. and Dimensions:

AVK ref. nos	DN mm	Connection	L mm	H3 mm	Theoretic. weight kg
701-050-75-09003	50	2" BSP	370	455	4.2
701-051-75-09001	50	50 MM	370	455	3.7
701-080-75-09003	80	3" BSP	370	455	4.3
701-081-75-09001	80	80 MM	370	455	3.8
701-100-75-09003	100	100 MM	370	455	6.0