



## AVK COMBINATION AIR VALVE, PN 10

For wastewater, reinforced nylon, compact design

701/75-010

AVK combination air valves are designed to combine large volume of air discharge/intake whilst filling/draining a pipeline with automatic discharge of air deliberated 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. Chambered option available

### Product description:

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

### Standards:

- Standard flange drilling to EN1092 (ISO 7005-2), PN 10

### 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 large orifice in the automatic valve releases large 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 foamed 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 nylon 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 in the 1 1/2" threaded opening on the top of the valve
- With connection flange or 2"-3" BSP thread
- Working pressure range: 0.05 – 10 bar
- Chambered option available

### Accessories:

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

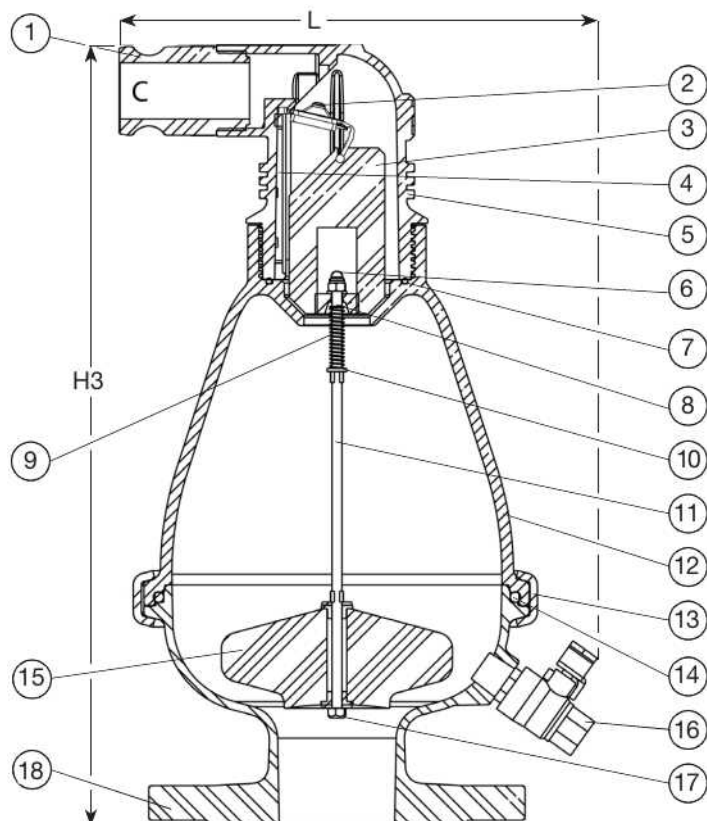
Options : Odour control system, VNR to aid surge control, GV and bevel gearbox



Expect... **AVK**

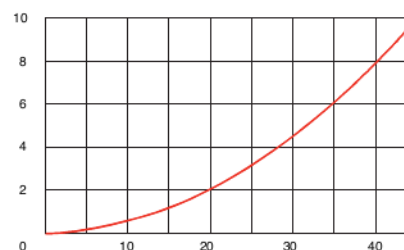
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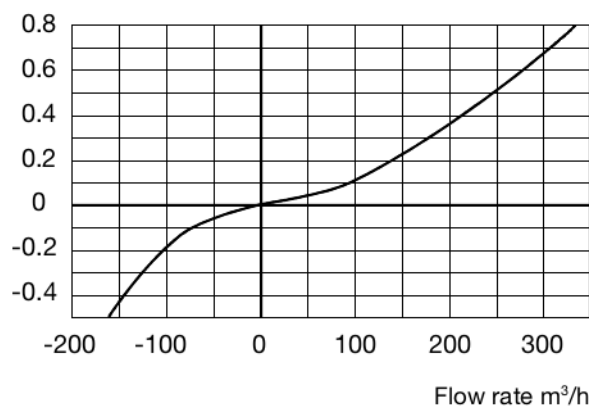
Differential Pressure [Bar]

**Automatic air discharge**



Differential Pressure [Bar]

**Air and vacuum flow rate**



**Component list:**

1. Drain elbow	PP	10. Washer	Stainless steel 316
2. Rolling seal	EPDM/PA/SS	11. Stem	Stainless steel 316
3. Float	Foamed PP	12. Body	Reinforced PA
4. Clamping stem	Reinforced PA	13. Clamp	Stainless steel 316
5. Body	Reinforced PA	14. O-ring	NBR
6. Crown nut	Stainless steel 316	15. Float	PP
7. O-ring	NBR	16. Washer	Stainless steel
8. Stopper	PP	17. Washer	Stainless steel 316
9. Spring	Stainless steel 316	18. Base	Reinforced PA

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

**Reference nos. and dimensions:**

AVK ref. no.	DN mm	Connection	L mm	H3 mm	Theoretical weight/kg
701-050-75-09001	50	50 MM	258	460	4.2
701-051-75-09001	50	2" BSP	258	455	3.7
701-080-75-09001	80	80 MM	258	460	4.3
701-081-75-09001	80	3" BSP	258	455	3.8
701-100-75-09001	100	100 MM	262	460	6.0

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