



## AVK COMBINATION AIR VALVE, PN16

701/40-010

For water, reinforced polyamide, DN12-50



AVK combination air valves are combined air release and air and vacuum valves. The air release function releases accumulated air from the system while it is under pressure. The air and vacuum function discharges and admits large volumes of air during the filling or draining of pipelines. The valve will open to relieve negative pressures whenever water column separation occurs. The body and all operating parts are made of specially selected corrosion-resistant materials.



### Product description:

Combination air valve - PN 16 for water and neutral liquids to max. 60°C (temporarily up to 90°C)

### Standards:

- Designed according to EN 1074-4

### Test/Approvals:

- Hydraulic test according to EN 1074-1 and 4 / EN 12266
- Approved according to DIN-DVGW Certificate NW-6215BS5030

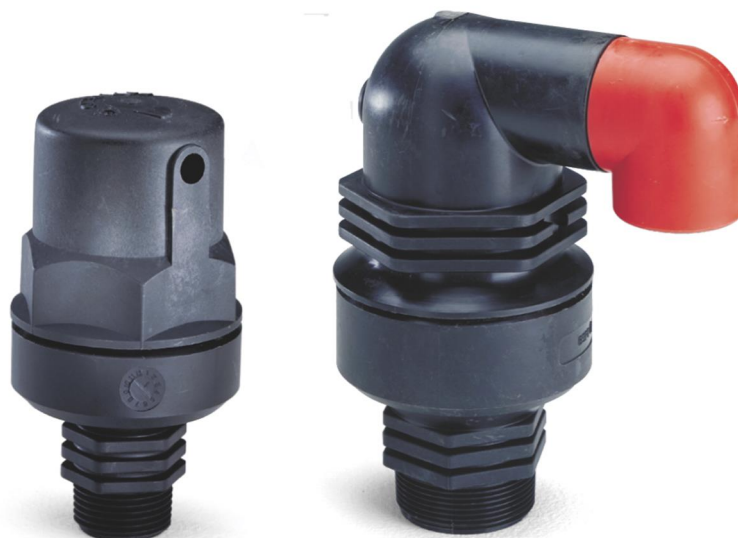


### Features:

- Orifice sizes: DN 12 and 19: Air and vacuum 100 mm<sup>2</sup>, automatic 8 mm<sup>2</sup>. DN 25: Air and vacuum 100 mm<sup>2</sup>, automatic 8 mm<sup>2</sup>. DN 50: Air and vacuum 804 mm<sup>2</sup>, automatic 12 mm<sup>2</sup>.
- The enlarged orifice is less exposed to obstruction by debris
- The orifice in the automatic valve releases small volumes of air at high flow rates when the line is under pressure
- The valve's rolling seal mechanism design is less sensitive to different pressures than a direct float seal, thus enabling a one size orifice for a wide pressure range
- Body of high-strength composite material
- All operating parts of corrosion-resistant materials
- Very low weight
- A discharge outlet enables removal of excess fluids
- With BSP thread connection
- Working pressure range: 0.2 – 16 bar

### Accessories:

Gate valve, butterfly valve



DN 20-25

DN 50

Expect ... **AVR**



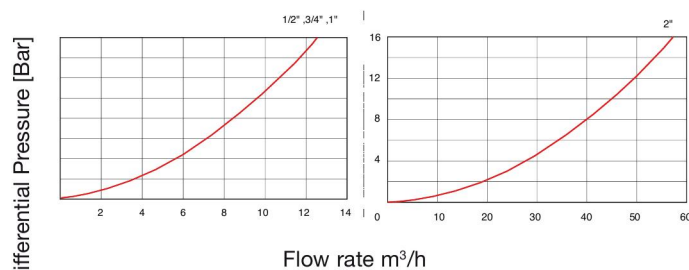
The designs, materials and specifications shown are subject to change without notice due to the continuous development of our product range.

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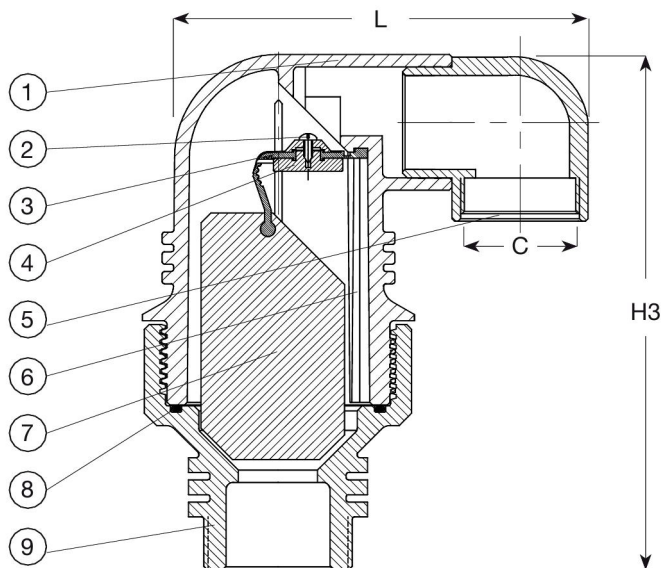
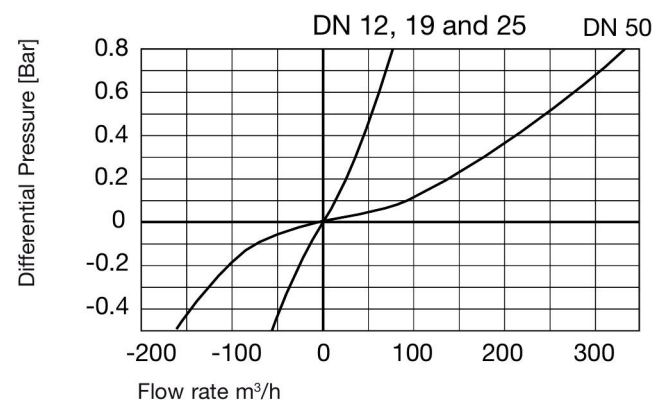
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## Automatic air discharge



## Air and vacuum flow rate



### Component list:

1. Body	PA, reinforced	6. Clamping key	PA, reinforced
2. Screw	Stainless steel	7. Float	PP
3. Rolling seal	EPDM rubber	8. O-ring	NBR rubber
4. Seal support	PA, reinforced	9. Base	PA, reinforced
5. Elbow	PP		

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

### Reference nos. and dimensions:

AVK ref. no.	DN mm	Connection	Product PN Class	L mm	H3 mm	C mm	Theoretical weight / kg
701-012-40-99003	12	1/2" BSP	PN16	100	143	3/8" BSP	0.5
701-020-40-99003	20	3/4" BSP	PN16	100	143	3/8" BSP	0.3
701-025-40-99003	25	1" BSP	PN16	100	143	3/8" BSP	0.3
701-050-40-99003	50	2" BSP	PN16	183	215	1 1/2" BSP	1.0
701-050-41-99003 <sup>(1)</sup>	50	2" BSP	PN16	183	215	1 1/2" BSP	2.0

(1) Brass base