



## AVK COMBINATION AIR VALVE, PN 16

701/40

For water, reinforced polyamide

010



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 20: 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 7 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:

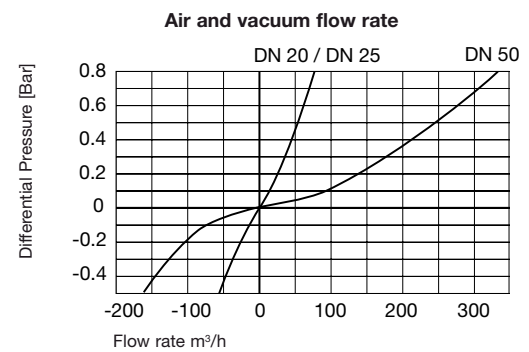
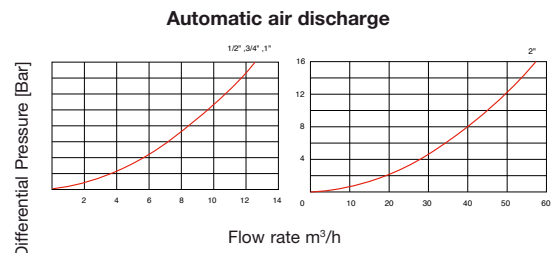
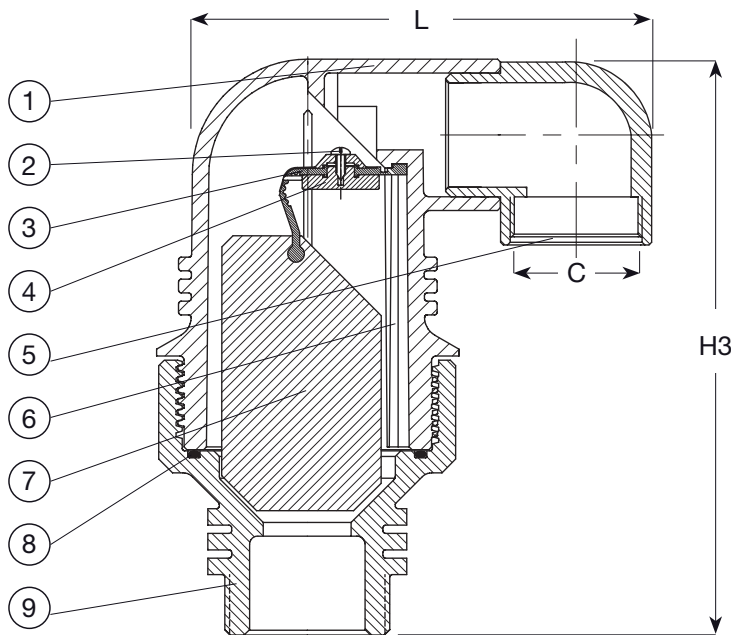
Gate valve, butterfly valve



DN 20-25

DN 50





**Component List:**

1. Body	Reinforced polyamide	2. Screw	Stainless steel
3. Rolling seal	EPDM rubber	4. Seal support	Reinforced polyamide
5. Drainage elbow	DN 50: 1½" BSP-female	5. Drainage hole	DN 20-25: 3/8" BSP thread
6. Clamping Key	Reinforced polyamide	7. Float	Polypropylene
8. O-ring	NBR rubber	9. 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	Product PN Class	L mm	H3 mm	C mm	Theoretic. weight kg
701-020-40-99003	20	3/4" BSP	PN16	100	143	3/8"	0.3
701-025-40-99003	25	1" BSP	PN16	100	143	3/8"	0.3
701-050-40-99003	50	2" BSP	PN16	180	209	1½"	1.0
701-050-41-99003 <sup>(1)</sup>	50	2" BSP	PN16	180	209	1½"	2.0

<sup>(1)</sup> Brass base