



AVK COMBINATION AIR VALVE, PN16

701/60-020

For water, ductile iron/ductile iron

AVK combination air valves are combined automatic and air vacuum valves. The automatic 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.

Product description:

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

Design standards:

- EN 1074-4
- Flange drilling to EN1092, PN16

Test/Approvals:

- Hydraulic test according to EN 1074-1, 2 and 4 / EN 12266
- Approved according to DIN-DVGW Certificate NW-6215BS5030

Features:

- Orifice sizes: Air and vacuum DN 100: 3317 mm² – automatic 12 mm². Air and vacuum DN 200: 17662 mm² – automatic 12 mm². Air and vacuum DN 250: 31400 mm² – automatic 12 mm². Air and vacuum DN 300: 49087 mm² – automatic 12 mm².
- The enlarged orifice is less exposed to obstruction by debris
- The large orifice in the automatic valve releases large volumes of air at high flow rates when the line is under pressure
- The automatic 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
- Reliable operation reduces water hammer incidents
- Dynamic design allows for high velocity air discharge while preventing premature closure
- Special orifice seat design with a combination of bronze and EPDM rubber ensures long-term maintenance-free operation
- The discharge outlet enables removal of excess fluids
- Air and vacuum air valve with body and cover of ductile iron with blue fusion bonded epoxy coating in compliance with DIN 3476 part 1 and EN 14901
- Automatic valve of high-strength composite material with protective shell of ductile iron
- With connection flange or BSP thread
- Working pressure range: 0.2 – 16 bar

Accessories:

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



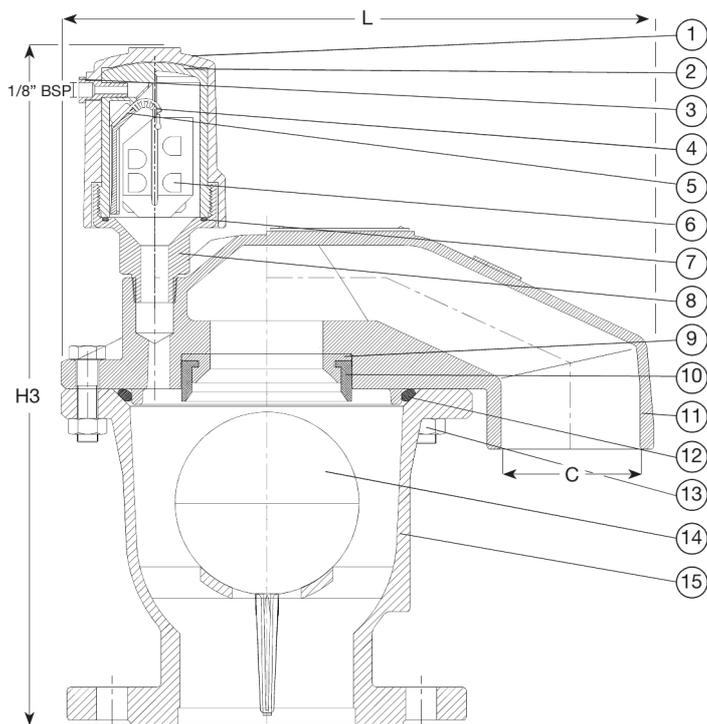
Expect ... **AVR**

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

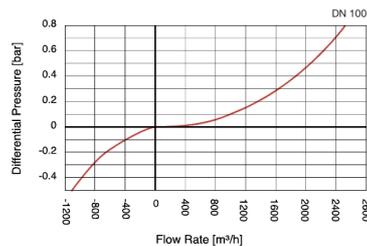
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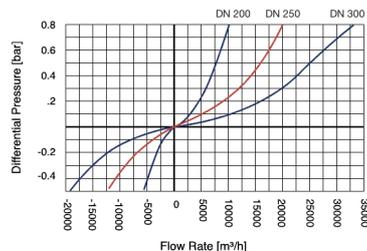
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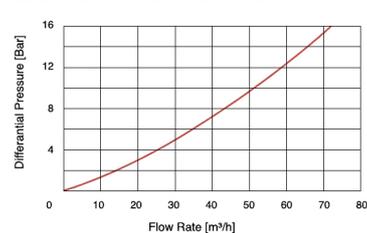
AIR & VACUUM FLOW RATE



AIR & VACUUM FLOW RATE



AUTOMATIC AIR RELEASE FLOW RATE



Component list:

1. Shell	Ductile Iron	9. Valve seat	Bronze
2. Body	PA, reinforced	10. Seal	EPDM rubber
3. Threaded outlet	Brass	11. Cover	Ductile Iron
4. Rolling seal	EPDM rubber	12. O-ring	NBR rubber
5. Clamping key	PP, reinforced	13. Bolt/nut	Steel, zinc plated
6. Float	Foamed PP	14. Float	PC / stainless steel
7. O-ring	NBR rubber	15. Body	Ductile Iron
8. Base	Brass		

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

Reference nos. and dimensions:

AVK ref. no.	DN mm	Product PN Class	L mm	H3 mm	C mm	Theoretical weight/kg
701-100-60-11003	100	PN16	393	342	63,5 MM	27
701-200-60-01003	200	PN10	553	560	90 MM	118
701-200-60-11003	200	PN16	553	560	90 MM	118
701-250-60-01003	250	PN10	463	724	124 MM	151
701-250-60-11003	250	PN16	463	724	124 MM	151
701-300-60-01003	300	PN10	586	853	-	163
701-300-60-11003	300	PN16	586	853	-	163

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Design DN 300

