

## COMBINATION AIR VALVE

### For water

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)

#### Standards:

- Designed according to EN 1074 - 4
- 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 according to DIN-DVGW Certificate NW-6215BS5030

#### Features:

- Orifice sizes: Air and vacuum DN 100: 3317 mm<sup>2</sup> – automatic 12 mm<sup>2</sup>. Air and vacuum DN 200: 17662 mm<sup>2</sup> – automatic 12 mm<sup>2</sup>. Air and vacuum DN 250: 31400 mm<sup>2</sup> – automatic 12 mm<sup>2</sup>. Air and vacuum DN 300: 49087 mm<sup>2</sup> – automatic 12 mm<sup>2</sup>.
- 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 epoxy coating
- 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

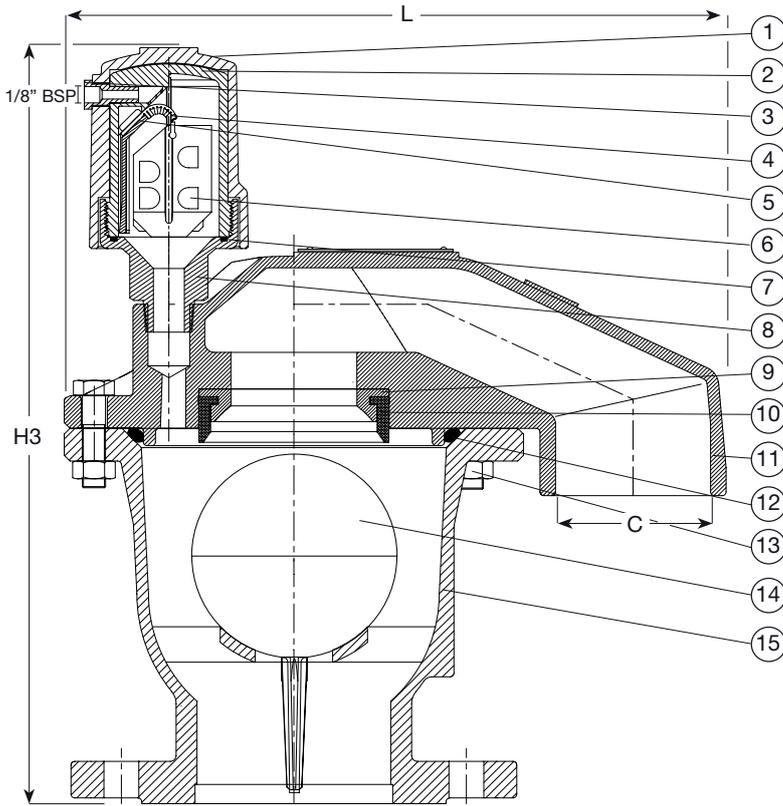
#### Accessories:

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

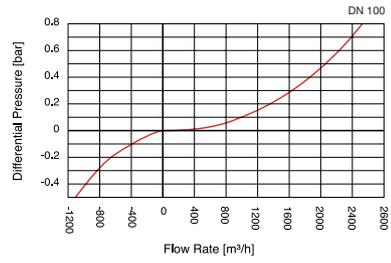


# COMBINATION AIR VALVE

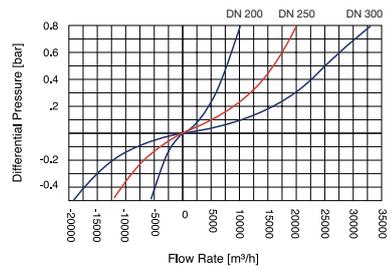
For water



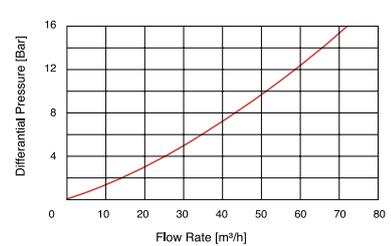
**AIR & VACUUM FLOW RATE**



**AIR & VACUUM FLOW RATE**



**AUTOMATIC AIR RELEASE FLOW RATE**



## Component List:

1. Shell	Ductile iron	2. Body, automatic	Reinforced nylon
3. Threaded outlet	Brass	4. Rolling seal	EPDM rubber
5. Clamping Key	Reinforced polypropylene	6. Float	Foamed polypropylene
7. O-ring	NBR rubber	8. Base	Brass
9. Nozzle seat	Bronze	10. Nozzle seal	EPDM rubber
11. Cover	Ductile iron	12. O-ring	NBR rubber
13. Bolt and nut	Steel zinc cobalt plated	14. Float	Polycarbonate/stainless steel
15. Body	Ductile iron		

## Dimensions:

DN mm	Product PN Class	L mm	H3 mm	C mm	Theoretic. weight kg
100	PN16	393	342	63,5 MM	27
200	PN10	553	560	90 MM	118
200	PN16	553	560	90 MM	118
250	PN10	463	724	124 MM	151
250	PN16	463	724	124 MM	151
300	PN10	586	853	-	163
300	PN16	586	853	-	163