

## Frost protection valve AAV for heat pumps



### Benefits

- For protecting monobloc air source heat pumps against frost damage in the case of malfunctions or power outage
- Helps to avoid damage to system components such as heat exchanger, pump or valves
- With integrated manual vent valve
- Maintenance-free



### Application

For applications where monobloc air source heat pumps are connected directly to the heating circuit water outdoors. The system can freeze in such applications in the case of inoperable circulation - for example, as a result of a technical defect or power outage - at low outside temperatures. This may entail damage to sensitive system components (heat exchanger, pumps, valves, etc.) in the outdoor equipment.

### Versions

	Part no.
Frost protection valve AAV 100	81465
Frost protection valve AAV 300	81466

Blue part no. = in-stock items

### Description

Frost protection valve for installation outside the building, in the system flow and return. The valve must be installed as close as possible to the outdoor unit of the heat pump so that sensitive components of the heat pump are protected from damage caused by freezing of the medium. If the temperature of the medium in the system drops to 3°C, the thermostatic element inside the valve opens the flow of the medium to the outside, helping to prevent possible damage. If the temperature of the medium rises above 4 °C, the thermostatic element automatically shuts off the water flow from the system. Prior to recommissioning, it is sufficient to check the system pressure, refill heating circuit water, if necessary, and vent the system.



## Technical specifications

### System connection

AAV 100: G1 male  
AAV 300: G1¼ AG

### Flow coefficient Kvs

AAV 100: 55 m³/h  
AAV 300: 70 m³/h

### Nominal pressure

Max. 10 bar

### Opening temperature (medium)

3 °C (± 1 °C)

### Closing temperature (medium)

4 °C (± 1 °C)

### Operating temperature range

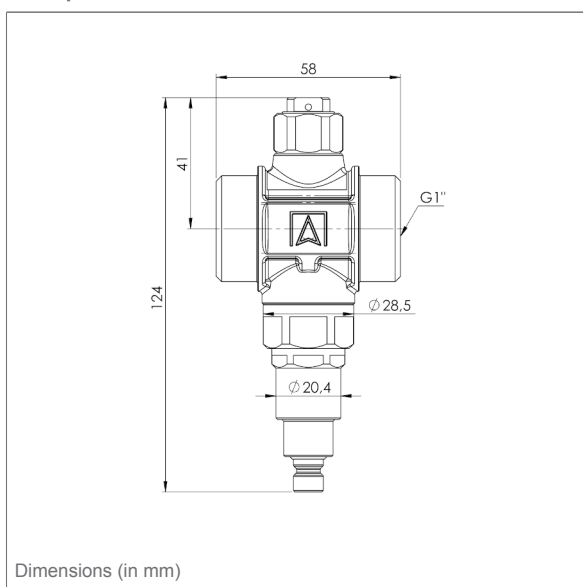
Medium: 0/70 °C  
Ambient: -30/+60 °C

### Material

Housing: Brass (CW617N)  
Spring: Stainless steel  
Seals: EPDM

## Technical drawings

Frost protection valve AAV 100



Frost protection valve AAV 300

