AFV600 Series

Features

Brass Anti-Freeze Valve, M/M
Body Material: CW617N
O-Ring & Sealing: EPDM
Spring: S.S.304

Technical data

- Maximum working pressure: 10 Bar
- Working temperature range: 0-60°C(with Chinese thermal sensor)
- Working temperature range: 0-90°C(with French Vernet thermal sensor)
- The ambient temperature range is from -30°C to +60°C
- The fluid temperature (measured in water) to start the release opening is +3°C
- The fluid temperature(measured in water) to start the release closing is +4 °C (tolerance ±1°C)

Function

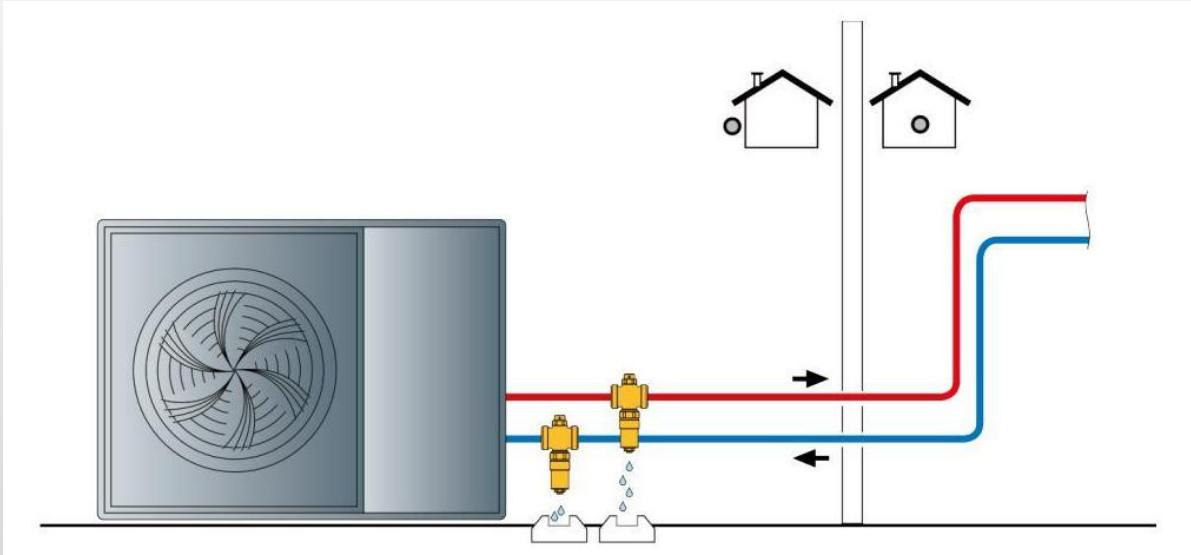
The main purpose of this valve is to prevent the formation of ice in piping systems and equipment,located in cold environments, releasing fluid from inside of the circuit or pipe where it is installed when the temperature reaches a value of +3ºC

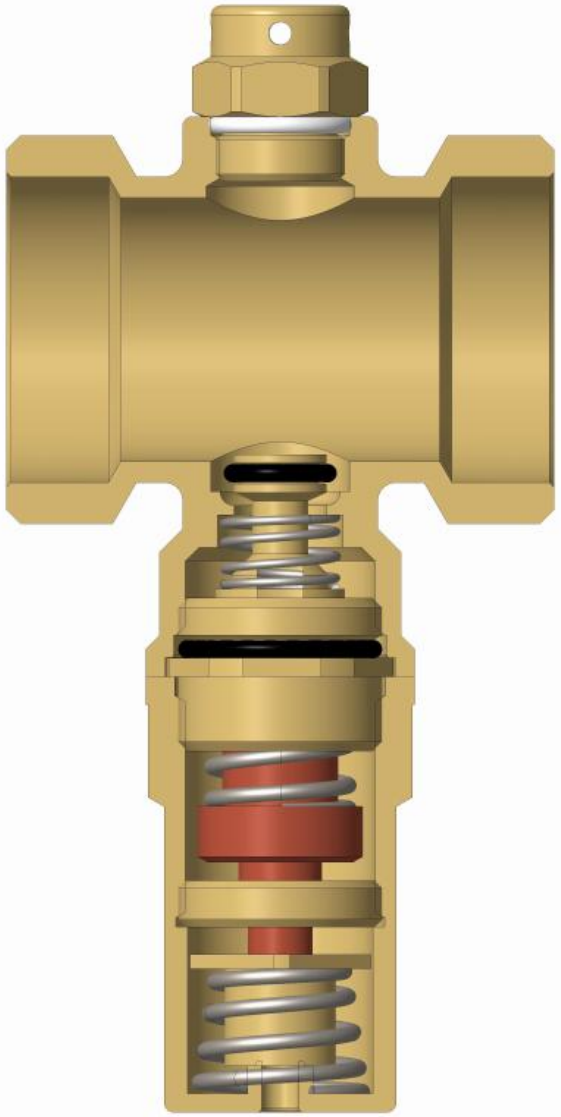
Application

1) The most recommended application is in aerothermal and heat-pump air conditioning systems.

2) These antifreeze valves must be installed in the section of pipes exposed to the outside, which connects to the external module in its supply and return circuits.

3) Due to their operation, these valves can also be installed in a general way, in circuits where it is desired to prevent the formation of ice inside the pipes.





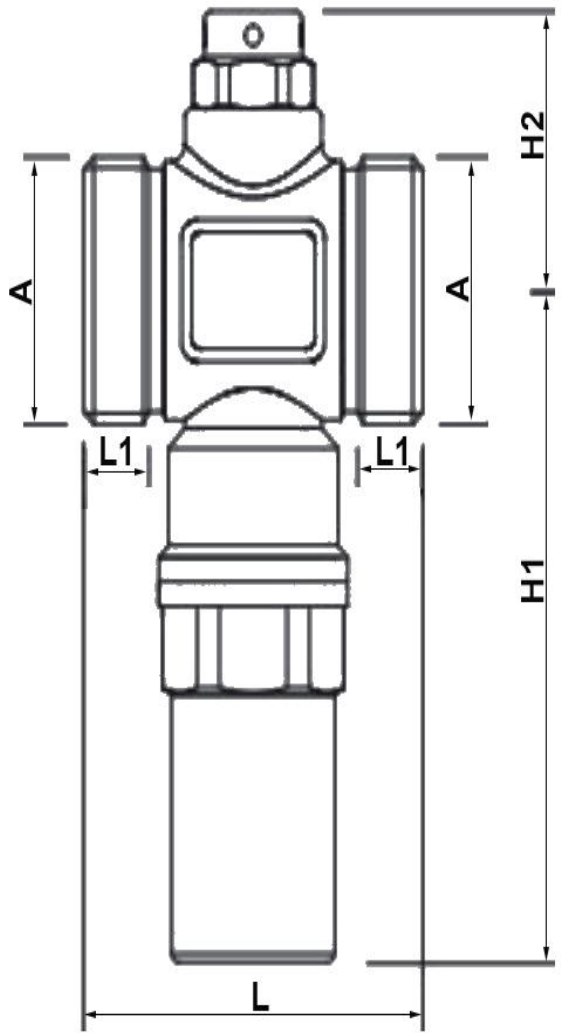
			KV Table
KV-Q			
A	G 1″	G 1 1/4″	G 1 1/2″
DN	25	28.5	32
KV	55	70	72

(Testing pressure before valve is 3 Bar, ▵P= 1 Bar)
KV: Flow rate when pressure loss is 1 bar, measured in m^3/h

Discharge flow rate

P (bar)	T outside(°C)	Flow rate(l/h)
3	-5	0.5
	-20	1

Test conditions:
- straight pipe (Ø 12 mm, length 1 m) exposed to the outside;
- water temperature inside building 18 °C.



AFV600 Series

A	DN	L	L1	H1	H2
1”	25	52	10	82.5	33.5
1 1/4”	28.5	59	14	84.5	35
1 1/2”	32	62	15.5	86	36.5