

ANTI-FREEZE VALVES

NEW

The Anti-freeze valve maintains water flow within heating and cooling circuits, preventing freezing. When the medium temperature reaches 3°C, the internal sensor activates, allowing water to be discharged from the system. They are designed for single-unit heat pump systems, preventing damage to the machine and circuit components during power off and low temperatures.

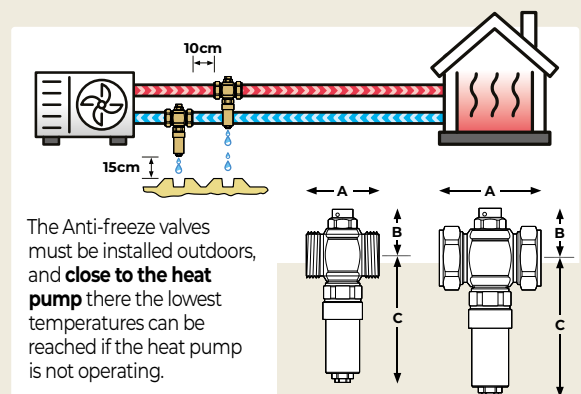
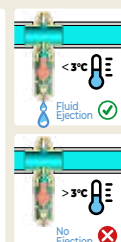
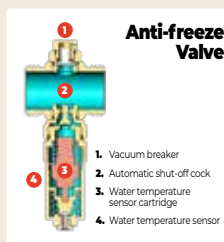
TECHNICAL SPECIFICATIONS

Performance

> Medium:	water
> Maximum working pressure:	10 bar
> Working temperature range:	0-65 °C
> Ambient temperature range:	-30 - 60 °C
> Medium temperature (opening):	3 °C
> Medium temperature (closing):	4 °C
> Enabling of antifreeze function with outside air temperature:	<5 °C
> Accuracy:	±1 °C
> Kv (straight path): Ø 28 mm:	64 m³/h
> Tightening torque:	80 Nm

Materials

- > Press-forged brass body - BS EN 12165 (CW617N)
- > Stainless Steel Springs - EN 10270-3 (AISI 304)
- > Seals - EPDM



AFV28 (28mm Compression)	A = 71	B = 80	C = 33
AFV25 (1")	A = 70	B = 33	C = 91.5
AFV32 (1 ¼")	A = 74	B = 37.5	C = 96
AFV40 (1 ½")	A = 78	B = 40.5	C = 99

All figures are in mm

Pressure bar	Temperature 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.



FOR DOWNLOAD THE SPECIFICATION LEAFLET TO GET MORE INFORMATION

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