Product

ZERO001 - Zero - Anti-Freeze Valve 1" Male
ZERO114 - Zero - Anti-Freeze Valve 1 1/4" Male
ZERO28 - Zero - Anti-Freeze Valve 28mm

Technical Specification

Max Inlet Pressure (static):	***10 Bar***
Medium:	***Water***
Sensitivity:	***+/-1°C***
Opening Temperature:	***3°C***
Closing Temperature:	***4°C***
Working Temperature Range:	***0 - 65°C***
Ambient Temperature Range:	***-30 - 60°C***
Max Discharge Flow Rate @ 3 Bar:	***1.5 L/H***
Kv:	***64m³/h***
Valve Body:	***UNI EN 12165 CW617N***
Spring:	***Stainless Steel***
Internal Seals:	***EPDM PEROX***
Internal Parts:	***UNI EN 12164 CW617N***

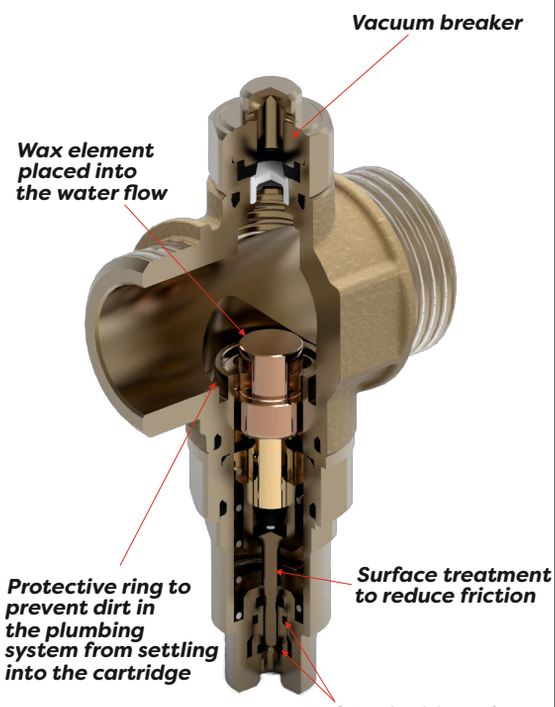
Insulating

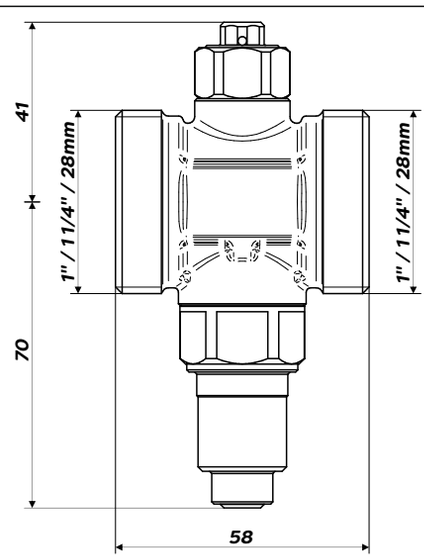
The patented Inta Zero Anti-Freeze Valves have been specifically designed to quickly and accurately react to the water temperature in the heat pump circuit and do not need the influence of the ambient temperature to operate.

Building regulations Part L states that all external fittings on an Air Source Heat Pump System must be fully insulated to reduce heat loss and maintain system efficiency. Inta Zero Anti-Freeze Valves will still maintain correct operation and discharge the water at the same temperature even when a system is correctly insulated.

The Inta Zero Anti-Freeze valves have been Independently tested using a controlled Ambient Temperature between -1°C to 1°C and starting water temperature 10°C to demonstrate the possibility of insulating the Inta Zero Valve without affecting the performance:
Without Insulation
Water Discharge Temperature = 2.49°C
Time taken to begin discharge = 1 hour 4mins
With Insulation
Water Discharge Temperature = 2.03°C
Time taken to begin discharge = 4hour 3mins

Warning!
If the Inta Zero valves are insulated, then due care must be taken to ensure that all external pipework and fittings are fully and appropriately insulatedand sealed. Failure to do so could prevent the proper operation of the Zero valve resulting in colder areas of a system being damaged by freezing. The Anti-vacuum valve must be kept clear at all times (inspected on annual service).





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