

Press Release

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Be wary of winter! CIM 14M-AF 'Anti Frost' Ball Valve

The effects of frost can be detrimental in the agricultural and irrigation industry, likewise, it can cause a lot of head aches in the plumbing industry. As most people would know, when water freezes, it expands. This factor is often the cause of major problems with ball valves. The expansion when water in the valve turns to ice acts upon the body of the ball valve causing it to crack with the telltale sign of a star-shaped crack on one side of the valve.



Cimberio has come up with a simple yet innovative way to compensate for the effects of freezing water. The Cim 14M-AF 'Anti-Frost' ball valve incorporates their patented new ball design to allow the water to expand safely away from the valve. Because of this feature, the 'Anti-Frost' ball valve has a far less chance of cracking, causing leaks and requiring a replacement valve.

Protection of valves and pipework from freezing is a requirement under AS3500. Part 1 – Clause 5.19 states that “In areas where the ambient temperature regularly falls below 0°C, care shall be taken to reduce the likelihood of the water service being damaged by water freezing within the pipes.”

This means that installers in frost-prone areas will find this new design of particular interest as it will assist in complying with regulations, as well as saving time and money on warranty and maintenance calls from their customers. Because an installer may not have taken reasonable care to prevent damage to a water service from frost, it is often their responsibility, not the manufacturers, and must therefore be careful to check a valve's specification to avoid liability for damage.

The CIM 14M-AF ball valve is manufactured in accordance with EN29000 - ISO9000 and can be used for general, industrial applications, agriculture, heating, sanitary, pneumatic systems, oil pipelines and generally with every non aggressive fluid.

The 'Anti-frost' ball valve was released in the beginning of 2006 and is now available at most leading plumbing stores in Australia.

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