

Freeze Protection Valve Case Study

Ware Shoals, South Carolina

Bridge Over Frozen Waters

Ware Shoals, South Carolina has been plagued in recent winters by expensive repairs caused by freezing pipes. One particular application, a two-inch line mounted on the Marion P. Carnell Bridge over the Saluta River, was especially troublesome. Water supply was interrupted to several hydrants and a local hydroelectric facility.

Eastern Industrial Supplies, Inc. had the solution. Jack Sullivan, senior product manager for steam products at Eastern, recommended ThermOmegaTech freeze protection valves.

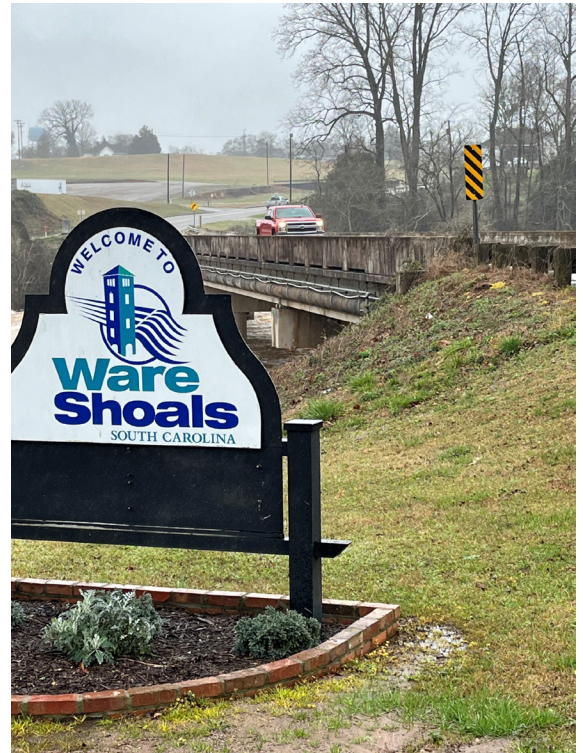
“Ware Shoals is my hometown,” said Mr. Sullivan. “Helping the city is much more than a business relationship. So, I was thrilled to introduce a technology to help them solve a problem. ThermOmegaTech freeze protection valves were the perfect answer to lower costs and improve city infrastructure operations.”

The Installation

Three HAT/FP valves were installed on the bridge to automate purging water from pipes before they could freeze.

The valves are set at 35°F to open when water reaches a freezing point – reliably and without electricity or human interaction – performing an operation critical to city operations and its residents.

“We were very interested when Eastern Industrial Supplies suggested they have a solution, especially one made with stainless steel and didn’t require electricity or batteries,” said John Lake, owner of L&L Environmental, which manages maintenance operations for Ware Shoals. “After seeing how the freeze protection valves perform, we will look to install them in other applications,” he explained.



“The water line on the Marion P. Carnell Bridge used to be compromised every time we had a cold snap,” said Jordan Gambrell, wastewater supervisor at L&L Environmental.

“The freeze protection valves held up, with no issues, the entire winter. When you are on call 365 days a year, it is reassuring to know I can sleep at night knowing those lines won’t blow when it gets cold,” he said.

The damage caused by freezing pipes isn’t just water under the bridge.

Eastern Industrial Supplies and L&L Environmental can use ThermOmegaTech freeze protection valves to ensure water will reliably flow under a bridge to equipment critical to the city’s operations.



About ThermOmegaTech

ThermOmegaTech freeze protection valves have proven to be both reliable and versatile. When the company was founded in 1983, they were initially used to protect locomotive engines. The ability to protect equipment worth hundreds of thousands of dollars has given maintenance supervisors confidence to apply ThermOmegaTech freeze protection valves in several critical Industrial applications, such as condensate returns, docks/ports, pumps, safety showers/eye wash stations, and water supply lines for livestock all benefit from thermostatic balancing valves.

About Eastern Industrial Supplies Inc.

Eastern Industrial Supplies, Inc., headquartered in Greenville, SC, opened in 1980 and has expanded into markets across NC, SC, FL, GA, TN, and AL. While Eastern specializes in the quality distribution of pipe, valves, fittings, commercial plumbing components, corrosion corrosion-resistant products, and engineered specialty items, the company’s main goal is creating a culture of caring in which people are always more important than profits. Eastern is also a proud member of Affiliated Distributors and an owner-member of SupplyForce.