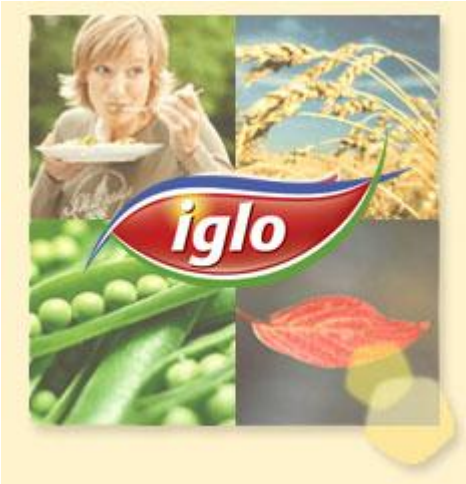

DELTA VENTURI ORIFICE STEAM TRAPS CUT IGLO'S APPETITE FOR STEAM

Langnese-Iglo GmbH Reken plant, Germany is on track to make significant energy savings following the installation of the Delta Venturi orifice steam traps at the company's Iglo frozen vegetables and herbs factory in Redken. Since installing the steam traps the company has seen a ten percent reduction in its steam usage

During the main season, Iglo's Reken factory processes more than 25 tonnes of spinach per hour in large hot water vats. The vats are steam heated to 95^{o}C with the condensate being removed by traditional mechanical steam traps.

Martin Wieskus, Site Production Engineer, contacted Delta's local agent to trial the Delta Venturi orifice steam traps. Following a site survey, Langnese-Iglo were supplied three 50mm traps on a long-term trial during the production season.

"We had seen the traps used by other industries and wanted to see if we could obtain the same energy savings", said Herr Wieskus. "We were delighted with the results which measured a reduction in steam usage of 44Kg per tonne of spinach produced."

Langnese-Iglo has been able to determine that the Delta steam traps have reduced steam usage by over 10% lowering energy consumption as well as carbon emissions. Such has been the success of the Delta Venturi orifice steam traps that Martin Wieskus has now recommended the technology to other colleagues in the Group and will be looking to upgrade other on-site steam heating plants.

The Delta Venturi orifice steam traps work by using the difference in density between steam and condensate. Steam is 1000 times less dense than condensate, so at the entrance of the trap's orifice, the low-density steam is literally squeezed out of the condensate. The high density, low moving condensate is then preferentially discharged through the orifice, trapping the low-density steam behind it.

What makes the Delta trap different is its venturi orifice configuration, which works well over varying loads by using the 'flash' steam that comes out of condensate as it passes from high to low pressure to give a self-regulating, varying capacity. As the Delta Venturi orifice steam traps have no moving parts to wedge open or fail, it provides the ultimate in reliability necessitating only minimal maintenance and requiring no spares, testing or monitoring equipment.

Available in a wide range of sizes for a full cross section of applications, the hardwearing Delta steam traps are manufactured from corrosion resistant stainless steel and are guaranteed for 10 years, obviating the need for repair or replacement. The Delta steam traps provide a fast payback - on some processes within a matter of days - from reduced energy costs and increased equipment reliability due to a reduction in damaging condensate in steam systems. In addition it improves product processing by enhancing the quality of steam and also reducing equipment repairs, downtime and replacement costs.