



PARKER BOILER CO.
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Case Study



THERMAL LIQUID HEATING

Thermal liquid heating is a specialized form of process heating that utilizes the forced circulation of special heating medium as a liquid. In many types of process heating, high temperature, rather than high pressure, is essential where heat, not vapor or steam per se, is required. Thermal Liquid Systems can generally be used at high temperature without a corresponding high pressure.

THE PARKER BOILER DESIGN

The Parker liquid tube design offers an extremely efficient, reliable heater built for the long term with ease of maintenance. The Parker design offers many advantages. Compare ours to the competition.

Made in America, Roasting almonds in Chicago, Illinois

How many times have you been approached by a student or Girl Scout at a grocery store selling candy bars for a fundraiser? If it was for a value priced caramel or chocolate bar, it was probably bearing the name "World's Finest® Chocolate".

Well known for their fundraising opportunities, World's Finest® Chocolate is a family owned company and has over 60 years of experience in manufacturing chocolate, candy bars, and other related products. They are one of only nine American companies that manufacture chocolate directly from the coco bean. The plant annually produces more than 16,000,000 lbs of chocolate products and roasts 1,200,000 lbs of almonds at the facility. They boast dedicated personnel and use the most modern machinery and the finest ingredients to make consistently delicious chocolates. They are known for their consistency, quality, versatility and dependability.

World's Finest® Chocolate utilizes state of the art technology and high volume produc-

tion efficiencies. We are pleased to be part of World's Finest® Chocolate's best selling products, the Continental® Almonds; chocolate covered almonds packaged in a one pound gift box. Back in the mid 80's, Parker Boiler Sales Manager, Douglas W. Anderson, was approached by a long time Parker OEM, Sandvik Jahn of Huntington, England for a Parker HT1008 Thermal Fluid Heater and related accessories to go with the Sandvik Jahn almond roaster. After fabrication, delivery and often installation of our equipment & systems, Parker usually does not hear from our customers for many, many years. As the saying goes, "No news is good news".

Our Sales Manager, Michael Leeming, after a World's Finest® Chocolate fundraiser event with his kids decided to contact the company to see how the Parker Boiler was operating. After an array of internal emails, it was discovered that the original purchaser, Vice President of Engineering, Rich Kessell, who had originally been involved in the project is still with the company. According to Rich, the

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TUBE DESIGN

The Parker Direct Fired Type Heater represents an ideal heating system for thermal liquids. Our all double welded, bent steel liquid tube design allows for the continuous expansion and contraction to which the heater must be subjected without damage. The double welded construction eliminates the problems of rolled tubes, ferrule fits, retainer clips, etc., experienced in competitive units. Thermal liquids at advanced temperatures are so thin that only the finest welding can contain the fluid without leakage. Since all fluids will burn in the ambient temperature of the gasflame, this leakage can be serious.

LOW COST OPERATION

The staggered tubing design provides a 10-pass self-baffled heating surface to increase efficiency

SAFETY

Our ASME tube bundle is extremely flexible and offers a long life with a 25 year warranty against thermal shock. No Parker Boiler has ever been known to experience an internal explosion.



Parker Boiler HT1008 industrial high temperature thermal liquid heater at Worlds Finest Chocolate.

heater has been in service and is still running strong after 25 years and the reason it has lasted so long is the technology of thermal fluid as opposed to the potentially corrosive fluids of glycol, water or steam vapor. The only service done to the heater is a couple of burner cleanings. They have no purchase history of parts and we are proud to say that this is proof that we sell high quality, long lasting products.

There is no manufacturer like World's Finest® Chocolate and Parker Boiler is proud to be a partner in another American manufacturing story. We hope to continue the success of both our companies for multiple decades like it has. We look forward to serving World's Finest® Chocolate for their future needs and as the top American manufacturer of Boiler thermal fluid heaters, and related equipment.

For more information about Parker Boiler go to www.parkerboiler.com or for World's Finest® Chocolate, go to www.worldsfinestchocolate.com



"Never a Compromise for Quality or Safety"

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