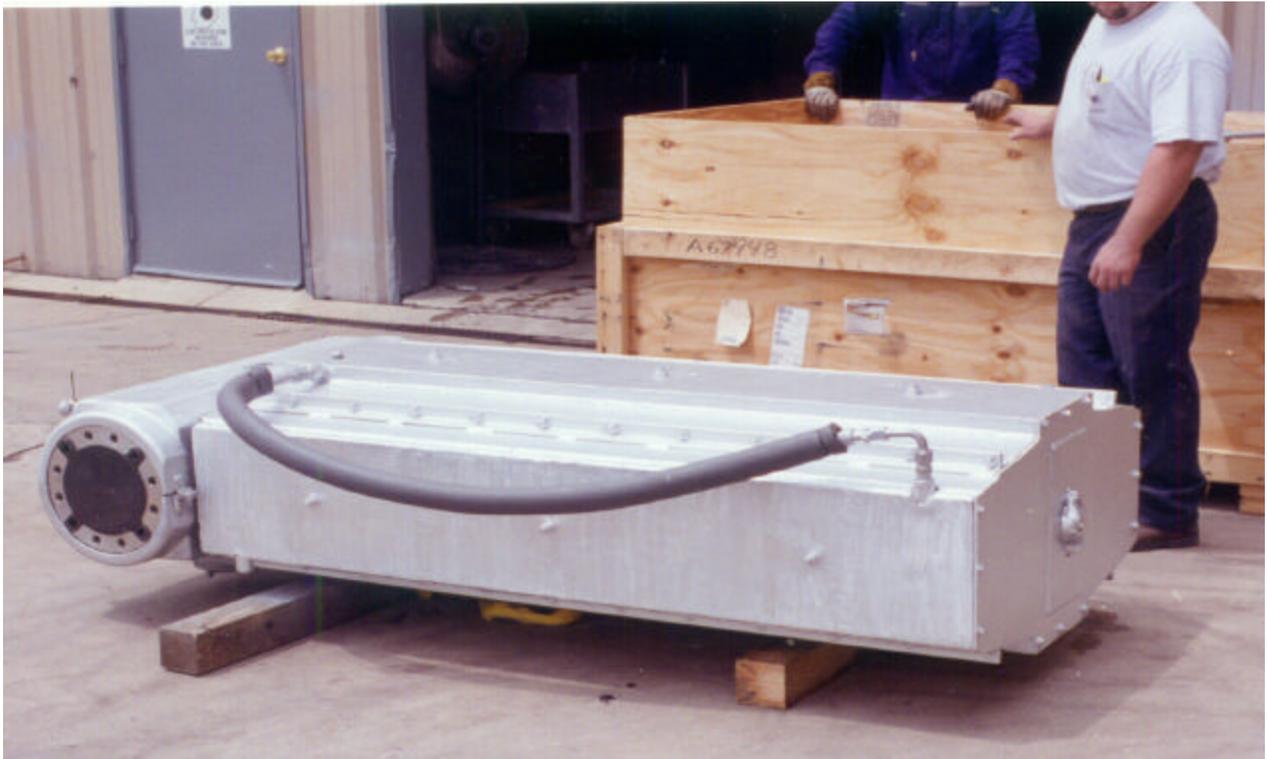


NEW PRODUCT RELEASE

CONTROLS SOUTHEAST EXPANDS LINE OF BOLT-ON THERMAL MAINTENANCE JACKETS FOR LARGE VALVES & PUMPS



Controls Southeast, Inc. (CSI) has expanded its line of ControHeat bolt-on thermal maintenance jacketing for very large pumps, valves, and blowers in hot CPI processes. Latest examples include bolt-on jackets for a 42 in. Fisher butterfly valve, an 18 in. 900# Powell gate valve measuring 48 in. face-to-face, a D600 Micro Motion mass flow meter, an 18 in.(impeller) Flowserve Mark III centrifugal pump, a 23 in. (impeller) Ingersoll-Dresser pump, and 60 in. Buffalo centrifugal blowers. With this capability, CSI now provides ControHeat jackets for hundreds of large process components used in chemical, petrochemical, plastics, food and pharmaceutical processes. The big new jackets join a line of more than 4,000 CSI ControHeat bolt-on thermal maintenance products. "There is no size limitation on our ControHeat jacketing technology," says CSI vice president Henry Gaines. "We can supply bolt-on heating jackets for very large valves and other process equipment in a fraction of the time needed for welded-on heating jackets and normally at a lower cost."

(more)

The jacketing keeps hot process components at proper temperature to prevent line freeze-up or product degradation. Inadequate jacketing can cause process upsets costing \$10,000 to \$100,000 per incident in lost production or cleanup. Cast aluminum ControHeat bolt-on jackets fit valves, instruments and pumps like a glove, maximizing heat transfer while totally isolating the heating medium from the process stream. Embedded in the casting is a pressure chamber through which flows the heating medium. Independent pressure boundaries isolate the process stream from the heating medium to eliminate cross-contamination.

The Larger The Component, The Bigger The Gain

The product-line expansion into larger sizes brings the proven benefits of ControHeat bolt-on jacketing to a wider range of hot process applications, according to CSI.

Compared with welded jacketing, ControHeat bolt-on jacketing systems typically cut procurement and ownership costs for large jacketed valves or pumps by up to 50% and shorten deliveries by 8 to 12 weeks. More important, they eliminate all welding and possible distortion on valve and pump bodies, and they distribute heat more evenly across a broader surface area. In valves, ControHeat bolt-on jacketing systems concentrate heat on the packing, bearing ends and flanges, totally encapsulating the principal heat-loss areas. On pumps and blowers, heat is concentrated on the shaft seal and lower bowl and flange areas. "On large components, thermal performance of bolt-on jacketing systems is actually better than that of fabricated jackets in many cases," says Mr. Gaines.

"Over the past 25 years in more than 50,000 hot-process applications, ControHeat bolt-on jackets have delivered equal thermal performance for 25% lower ownership costs," says Mr. Gaines. "The benefits of bolt-on technology are simply magnified on larger components, whose price tags may top \$100,000. A reusable bolt-on jacket eliminates the need for costly jacketed 'spares.'"

Easy Component Maintenance, Changeout

For large valves, ControHeat bolt-on jackets provide easy maintenance access to the component within. Valve jackets are simply unbolted and bolted back after service or changeout. On some large pump applications the pump can be serviced without removing the jacket. The jackets are reusable provided the replacement component is identical to the original.

Elimination of welding also averts two chronic problems associated with welded jacketing: damage to heat-sensitive seating/sealing areas and the costly ASME "U" stamp requirement. The problem is so widely recognized that one leading valve company has made it a policy not to weld on any of their valves.

Applications for large ControHeat bolt-on jacketing systems span a variety of difficult hot processes. Examples include sulfur recovery and transport, and molten DMT, phthalic anhydride, and resin processing.

For more information, contact Bennie Yarbrough, Controls Southeast, Inc., P.O. Box 7500, Charlotte, NC 28241 USA .Phone (704) 588-3030; Fax (704) 588-3039, or visit our website @ csiheat.com.

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