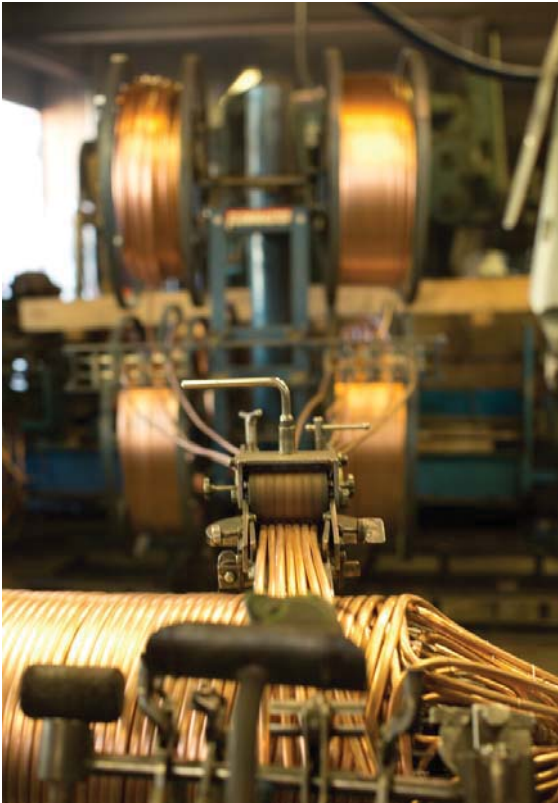


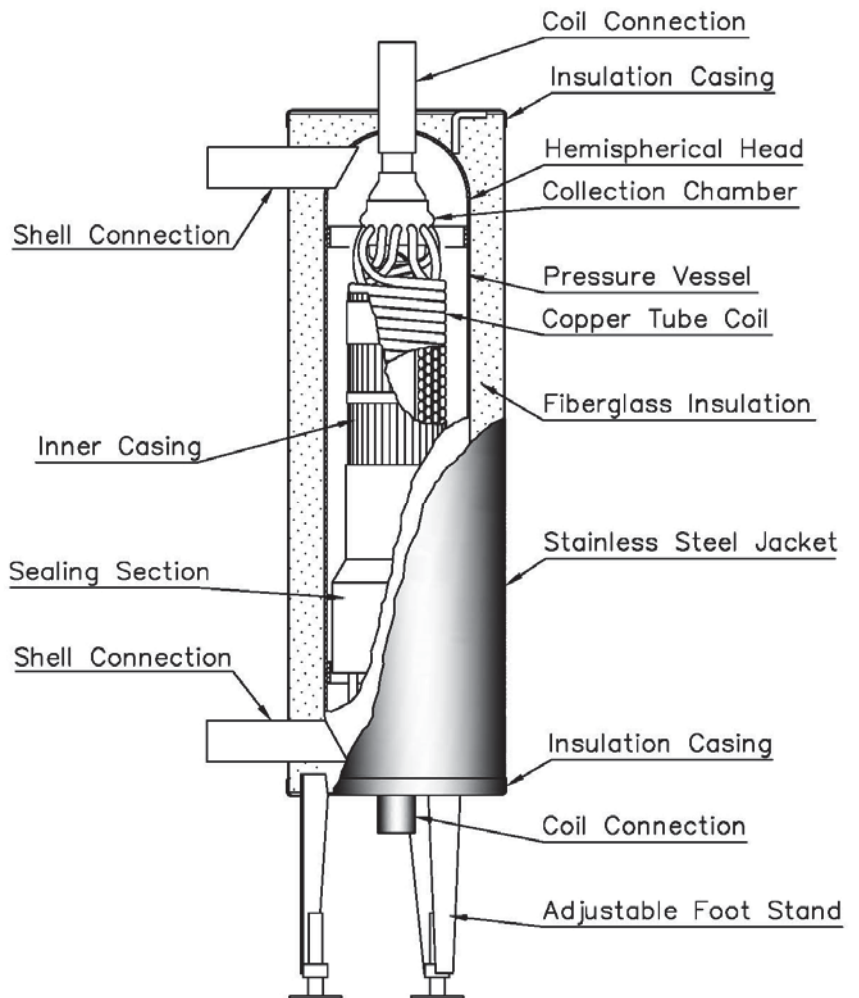
# ELGE TECHNOLOGIES L.L.C.



## ELGE— A SIMPLE DESIGN

Shell and Coil is Reliable, Self-Cleaning. ELGE® 's spun coil design eliminates stress at the connection points due to expansion and contraction.

Scale is automatically removed and can be easily flushed from the system through the flush valve on the bottom of the Heater. Precision control is maintained at preset water temperature to +/- 4 deg F.



**ELGE®**

**ECO PACK PLUS**

**ELGE®**

***Packaged Steam-Water Heaters***

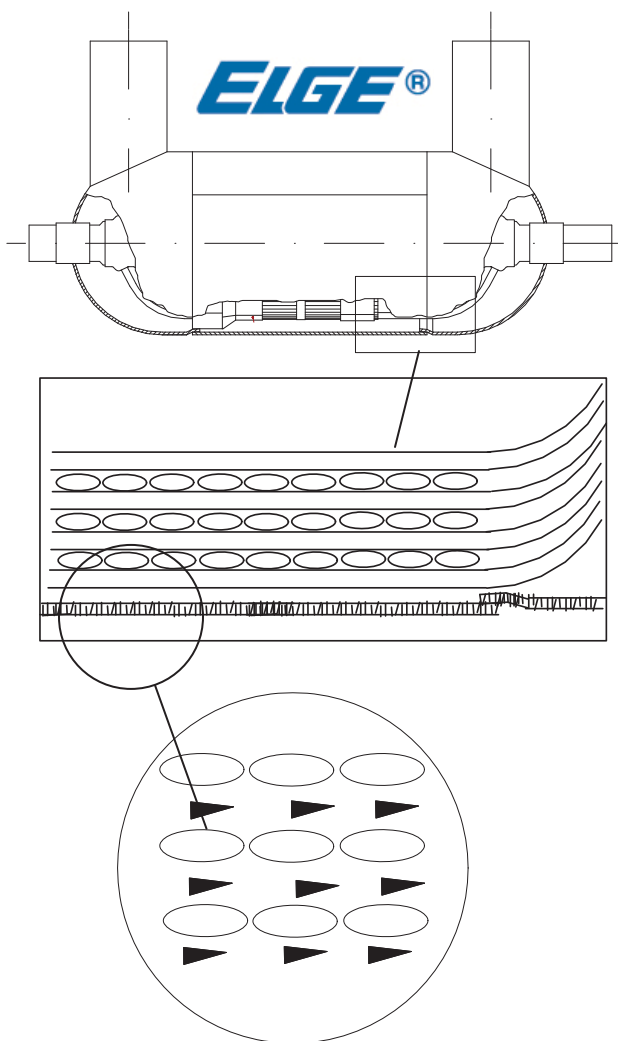
## Flow Through Shell & Coil HX Design

### Even, Controlled Flow:

When the copper is coiled, it is molded to a oval shape to yield a larger heat transfer area and spacers are inserted between the rows. Hot water or steam enters the head and is diverted through the coil bundle in a counter/cross-flow manner. The inner casing insure even and controlled flow over the exterior of the tubes in the bundle.

### Self – Cleaning:

The ability of the coil to flex with temperature changers combined with the increased flow rate through the oval coil section insures a minimum of deposits.

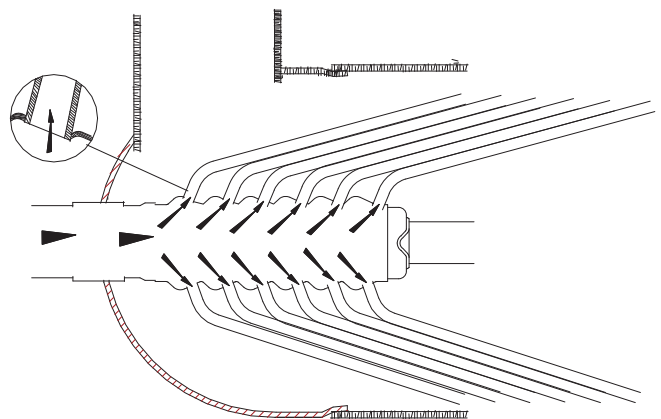


### Efficient Flow Where Needed:

The design of the collection chamber, and the angle of the tubes results in a low flow rate and less resistance where the water enters the tube. This means less erosion. However, as the tube changes from round to oval, there is a 50% increase in flow rate at the point of heat exchange.

### Designed to Last

The connection of the tubes to the chamber and of the coil to the head provide a large, strong silver solder area (15% silver used Cu-Cu and 45% used Cu-Steel). The coil design allows expansion and contraction to occur in the coil and minimizes any stress at these connective points.



[www.elgetechnologies.com](http://www.elgetechnologies.com)

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