

ELGE MAC 3 MD SERIES HEATERS



The MAC 3 System

The **M**odular **A**dvan**C**e Concept (The MAC System) is a system that uses a series of small, compact, high efficient, ELGE Shell and Coil heat exchangers and connects them to a common manifold with special valves to each heat exchanger. This system allows the customer to maintain, repair, or replace a heat exchanger as needed with little or no interruption of service. Each heat exchanger can be removed without draining or shutting down the hot water system. This system can be used for steam to water, water to water, water to fluid, steam to fluid, fluid to fluid, or any combination of the above. It can also be used on heating, cooling, heat pump, domestic hot water, radiant, snow melt, and process systems. It is ideal in situations where shutting down the complete system is a problem. The MAC System is manufactured as a skid mounted package that can fit through most doorways or can be disassembled and reassembled easily.

Proven Design

The MAC 3 System consist of three compact high efficient heat exchangers in one factory tested package. Each heat exchanger is a vertical shell and coil, counter/cross flow heat exchanger designed for sub cooling the steam condensate. A steam trap is supplied for when the system is operating at partial capacity. With either self-actuating or pneumatic control, this design will maintain a supply of hot water at +/-4 deg F under normal operating conditions.

These packages are able to supply hot water for demands from 30 to 250 gallons per minute per unit.

There are over 10,000 ELGE Packaged Water Heaters throughout the world. Over 90% of ELGE Heat Exchangers that are 15 years old are **still in operation**.

Design Benefits

ELGE Shell and Coil heat exchangers have:

- **Up to 3000 feet of copper in each coil**
- **Water in tubes to minimize deposits/overheating**
- **Steam in shell to eliminate damage to coil from hammer, high velocity erosion, or shock**
- **A spring shape coil to minimize expansion and contraction stresses**
- **A coil which is self-cleaning as it moves**

ELGE Packaged Steam Water Heaters are:

- **Easy to select**
- **Compact and simple in design**
- **Low maintenance**
- **Requires NO GASKETS**
- **Reliable Operation**



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