

# RADIMAX

Radiant Tube Plug-In Recuperator

RAD-1  
Edition 04-08

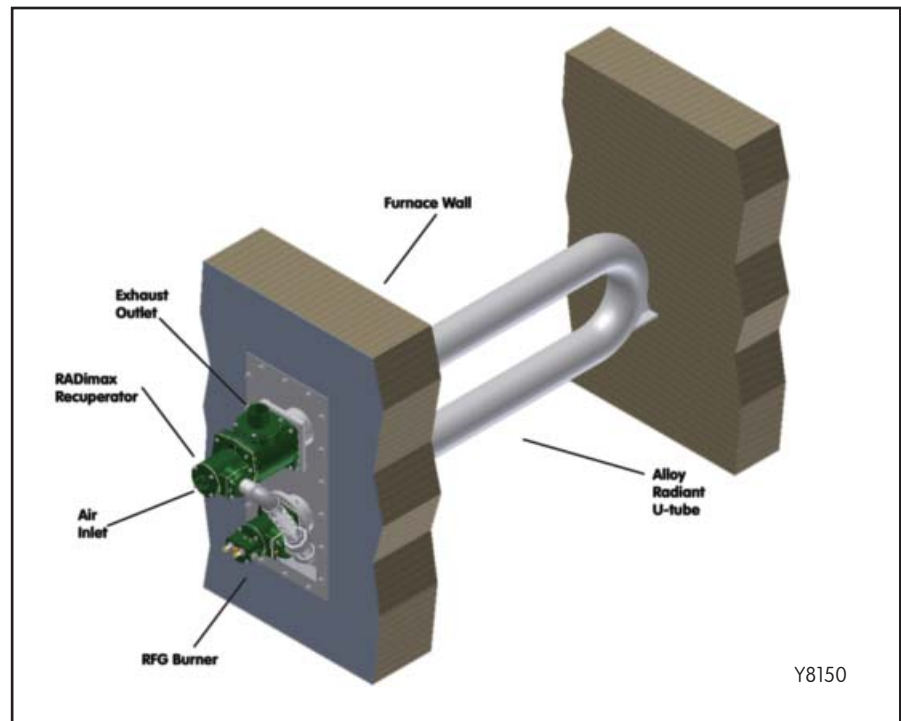


- Cast iron bodies with a rugged vacuum formed insulated exhaust chamber
- Durable industrial construction designed for long life
- Finned, cast stainless steel recuperator assembly for maximum heat transfer
- Increased efficiency and fuel savings resulting in shortened payback period
- Multiple independent orientations of preheated air and exhaust gas outlets
- Low air and exhaust pressure drop reduces blower pressure requirements
- Multiple sizes to fit a wide range of system capacities
- Preheated air up to 900°F (480°C)

For use with 6-inch ID or larger tubes, the RADimax radiant tube plug-in recuperator can be installed in the exhaust leg of U, W or Trident® type radiant tubes. It is ideally suited for use with Hauck RFG radiant tube gas burners. The design has been optimized to provide maximum efficiency and fuel savings by transferring a significant portion of the heat from the exhaust gas to preheat the combustion air to the burner. This is accomplished while still maintaining a low pressure drop through the recuperator which in turn reduces blower pressure requirements.

The heat exchanger in the RADimax is constructed of finned, cast heat resistant alloy with a large surface area to maximize heat transfer. The exhaust body is lined with a rugged vacuum formed insulation. The air and exhaust gas outlets can be independently oriented to offer flexibility to meet individual system piping requirements.

The RADimax is available in three sizes to fit a wide range of system capacities; nominal 300,000, 500,000 and 700,000 Btu/hr (88, 147 and 205 kW). It can be used with clean exhaust gas up to 2000°F (1093°C). Preheated air temperatures achieved typically range from 700 to 900°F (371 to 480°C).



**Typical Radimax Installation with Radiant Tube Burner**

For additional information on this product, visit our website at:

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

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