



**Applied Heat
Recovery**



Heat Recovery Solutions

Applied Heat Recovery specializes in customized heat recovery solutions intended to reduce operating costs and carbon footprint.

With unmatched service and expertise, our proven designs will exceed expectations every time.

210-587-7656
sales@appliedheatrecovery.com
appliedheatrecovery.com
29580 Ralph Fair Road
Fair Oaks Ranch, TX 78015

Standard & Condensing Boiler Economizers

- Custom-designed units for any application ranging from 100 BHP to 1,000,000+ lb/hr steam flow
- Design pressures up to 3,200 PSIG.
- Increase efficiency by up to 10%, reducing fuel costs and carbon footprint providing immediate payback.
- Rectangular or Cylindrical configurations.
- Vertical or Horizontal gas flow applications.
- Bare and/or finned tube arrangements.
- Compatible with all fuels from natural gas to solid fuels.
- Multi-coil arrangements for ease of installation.



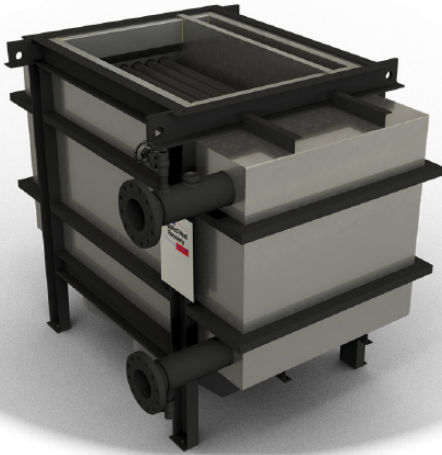
60,000 lb/hr boiler operating 7,000 hours annually

$$\text{Annual savings} = \frac{\text{Heat recovered (mmBtu/hour)} * (\text{hours/year}) * (\$7/\text{mmBtu})}{\text{Boiler efficiency}}$$

Savings when adding conventional economizer at 83% efficiency	= \$216,084.71
Savings when adding a condensing economizer at 87% efficiency	= \$196,214.86
Total potential savings	= \$412,299.57

*Applied Heat Recovery is the most reliable source
for effective equipment at the best price.*

Waste Heat Recovery Units



- Custom-designed units up to 1,000 MMBtu/hr and 3,200 PSIG for water, glycol and other thermal fluids.
- Vertical or Horizontal gas flow applications.
- Compatible with all waste heat exhaust streams such as gas turbines, generators and process furnaces.
- Bare and/or finned tube arrangements.
- Multi-coil arrangements for ease of installation.
- Designed for minimal pressure drops to meet application requirements.
- Can be supplementary fired up to 1650°F.

Stack Superheaters

- Custom-designed superheater units ideal for low amounts of superheated steam.
- Available as a stand-alone unit or as a multicoil unit sharing a common casing with the economizer.

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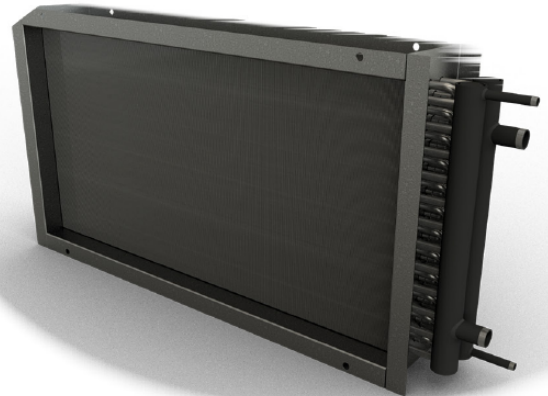


Air Heaters



- Custom-designed tubular air heater units for any application.
- Vertical or Horizontal air flow applications.
- Compatible with any hot gas stream up to 1650°F.

Steam Coils



- Custom-designed steam coil units for any application.
- Vertical or Horizontal air flow applications.
- Compatible with steam conditions up to 650°F and 1,000 PSIG

Ancillary Equipment

All packages are available with the following equipment:

- Transition Pieces
- Expansion Joints
- Breaching/Ductwork
- Support Steel
- Stacks
- Access Platforms
- Dampers
- Spool Pieces



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