

# TEMPATRIM®

## Automatic Air Density Trim System

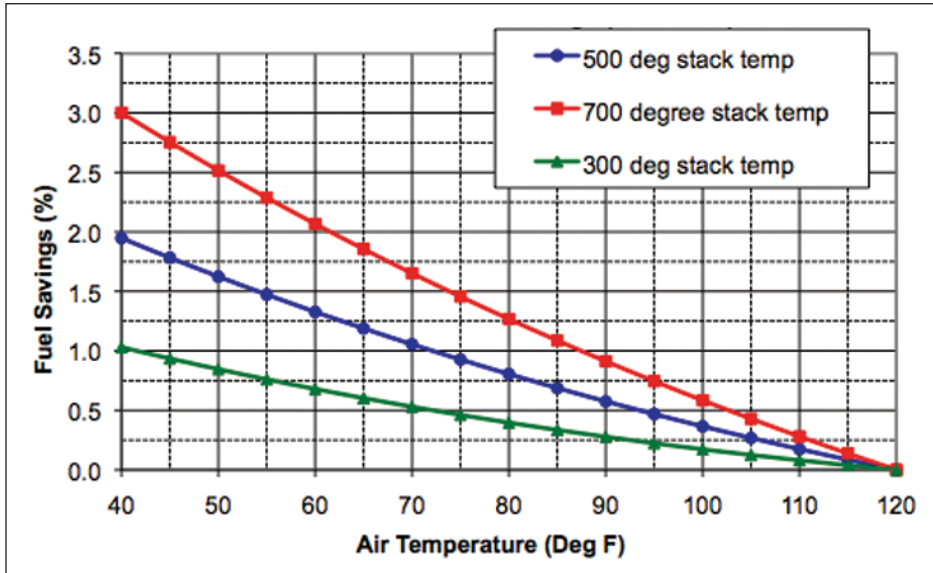
**Precisely corrects for air density changes to optimize combustion efficiency 24/7**



Provides fuel savings up to 3% and electrical savings up to 30%

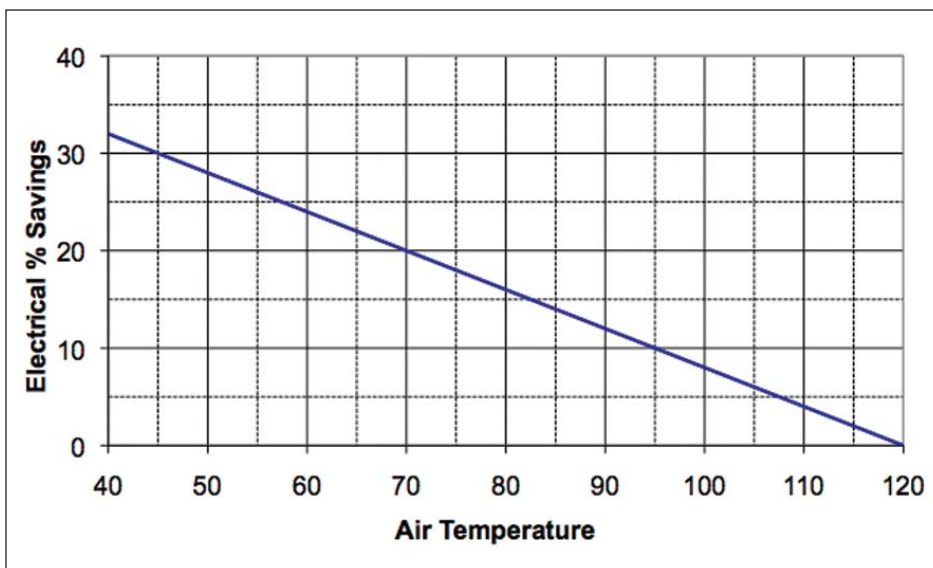
## How Temp-A-Trim Works

The air temperature in your boiler room changes dramatically from day to night and season to season. These changes cause significant combustion inefficiencies and degrade combustion stability. Temp-A-Trim senses combustion air temperature and automatically varies the fan speed to create a constant air flow mass for combustion. By maintaining optimum fuel/air ratios, you are assured that your burner is operating at maximum efficiency.



### Air Density Control Fuel Savings (Gas Fired)

Combustion air temperature change results in excess air (% Oxygen) change. Running a burner with high excess air is inefficient. Running with low excess air results in unburned fuel and high CO.



### Motor Electrical % Savings

Typical electrical usage can decrease by as much as 30% with the Temp-A-Trim system. Using a VFD to adjust the motor speed based on combustion air temperature results in significant savings and provides a rebate opportunity.

## Temp-A-Trim Features & Benefits

- Provides fuel savings of up to 3%
- Electrical savings of up to 30%
- Reduces emissions due to reduced fuel consumption
- VFD use provides a soft start for less motor wear and reduced noise level
- Reduces the need for seasonal burner tune-ups
- **Air density trim control and VFD provide opportunity for energy rebates**
- Easy installation with no special setup or programming required
- Compatible with linkage or linkageless control systems
- **Available on all sizes of new or existing burners of any brand!**

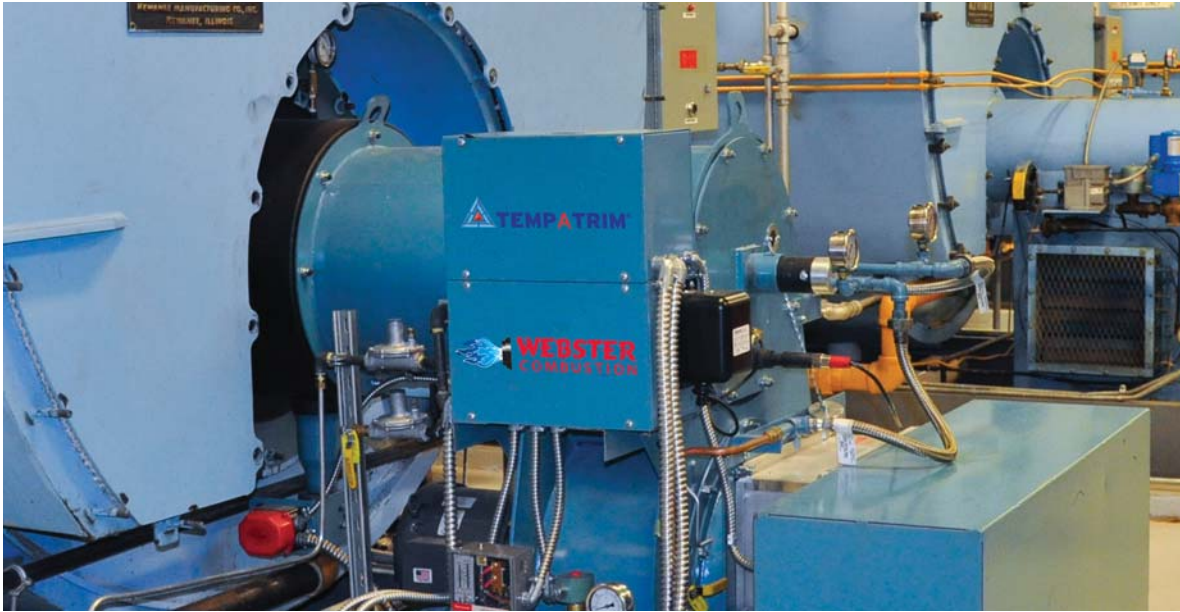
Temp-A-Trim also saves labor and downtime, because it reduces the need for seasonal burner tune-ups. The built-in VFD provides a soft start, producing less motor wear and reduced noise level. And finally, Temp-A-Trim's air density control and VFD create opportunities for energy rebates, saving customers additional funds and making their return on investment even more enticing.



Temp-A-Trim control panel with door open showing circuitry, plus VFD

## Temp-A-Trim Retrofits

Temp-A-Trim can be retrofitted on any boiler burner of any brand to start saving money on fuel and electricity immediately. Temp-A-Trim installs easily with no special setup or programming required. It is compatible with both linkage and linkageless control systems.



**Want to know more?** For more details, an ROI app, case studies and more, visit [www.webster-engineering.com](http://www.webster-engineering.com)



**The *Better* Boiler Burner.**

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