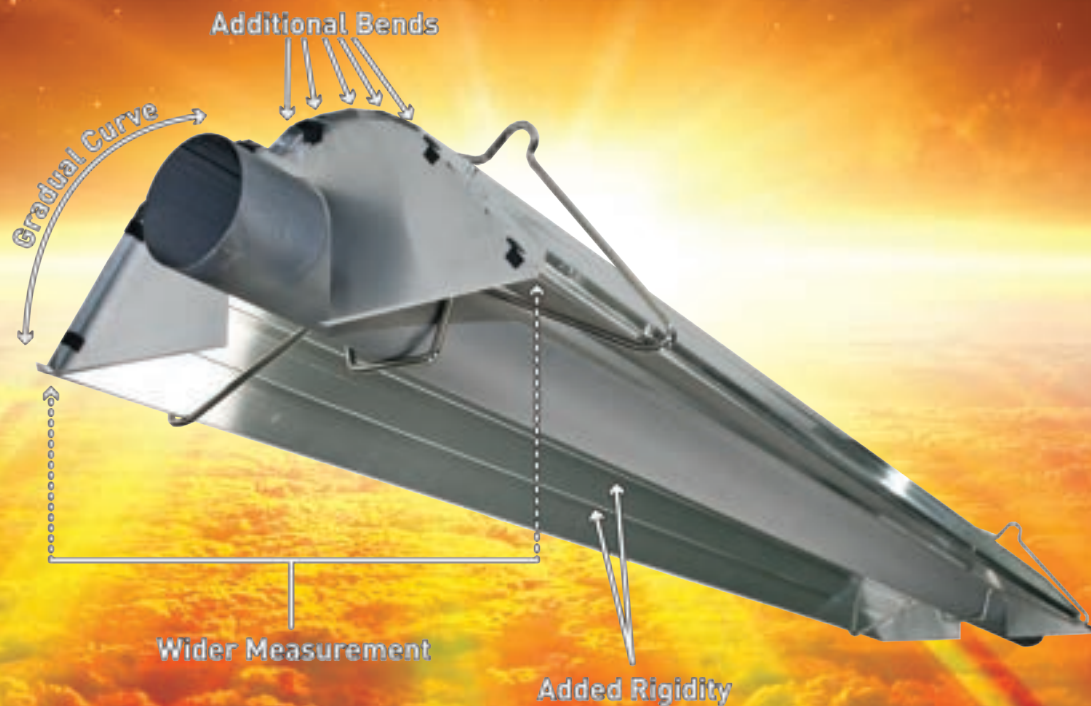


# RETROFIT HEATERS WITH NEW HIGH EFFICIENCY REFLECTORS



Upgrade your existing infrared heating system into a new high efficiency system and increase radiant output up to 25%!

# ROBERTS GORDON® INFRARED HEATING

800.828.7450

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

## Your old infrared heating system could be costing you money and reducing your comfort

The reflectors in your infrared heating system play a crucial role to direct the available heat generated from the heat exchanger down to occupant level. Dirty reflectors restrict the amount of available heat causing your heating system to be less efficient.

### Dirty Reflectors vs. Clean Reflectors

Our tests show that simply cleaning your ROBERTS GORDON® reflectors annually could increase the amount of radiant heat your system produces by more than 9%!

Reflector Type	Measured Rate	Infrared Factor (IF)*	Radiant Output Percentage Gain
Old Style <b>Dirty</b> Reflector	100,000 Btu/h	11	-
Old Style <b>Clean</b> Reflector	100,000 Btu/h	12	9.6%

\*Rated in accordance with AHRI Standard 1330

### Retrofit your existing ROBERTS GORDON® heating system with high efficiency reflectors and increase radiant heat output up to 25%

Our innovative reflector design maximizes the amount of radiant heat emitted from the heat exchanger. When compared to our old style dirty reflectors, our new high efficiency reflectors will **increase radiant heat output up to 25%!**

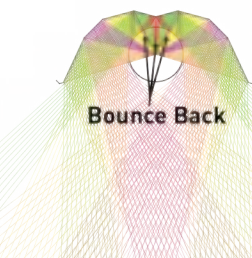
The high efficiency reflector has a wider reflective surface area and improved geometry which improves radiant performance, while minimizing convective heat-loss. Shown in the illustration below, the high efficiency reflector design eliminates radiant energy from bouncing back into the heat exchanger. This innovative design simply gets more radiant heat to the floor than any other infrared heater on the market today!

Reflector Type	Measured Rate	Infrared Factor (IF)*	Radiant Output Percentage Gain Over Dirty Old Style
<b>Old Style Clean Reflector</b>	100,000 Btu/h	12	9.6%
<b>New High Efficiency Reflectors</b>	100,000 Btu/h	<b>15**</b>	<b>25.6%**</b>

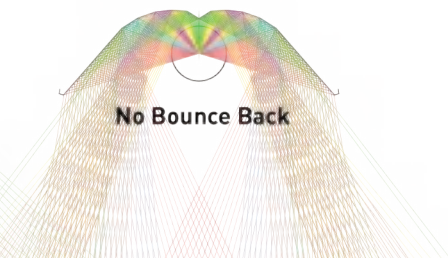
\*Rated in accordance with AHRI Standard 1330

\*\* Actual results may vary depending on system choice and design

#### Old Style Reflector

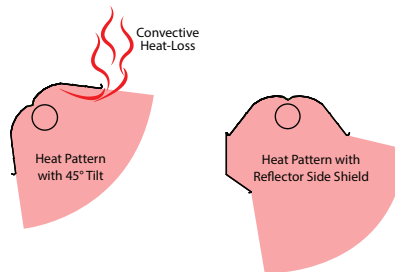


#### High Efficiency Reflector



### Other methods of improving performance of your ROBERTS GORDON® heating system

Flexible layout options allow ROBERTS GORDON® reflectors to be tilted at a 45° angle. While tilting the reflector allows radiant heat to be directed where it is needed, a large amount of heat is lost through convection. A better option is to keep the reflector level and add reflector side shields which provide a greater concentration of radiant heat where it is needed while reducing convection, thus increasing performance.



Measured Rate	Radiant output percentage difference over 45° tilt
100,000 BTU/hr	Up to 22%

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