

Ray-Tech Infrared AGG/RAP Heating System

The fastest way to heat and dry aggregates!

The AGG/RAP system consists of our infrared heating chambers mounted over a conveyor belt.

The chambers use the same technology as our road equipment and come in either six or eight foot lengths, depending on what fuel you are using.



This system can be fitted to your company's needs by lining up as many heaters as it takes to achieve the results that you need.

With this system you can reduce moisture or increase temperature in virtually any material including asphalt, RAP, sand, metal slag and various stones and gravels.

Talk with us today about how this could improve your plant's production!

 **Ray-Tech Infrared Corp.**
Manufacturer of Infrared Road Maintenance Equipment

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Ray-Tech Infrared Aggregate/RAP Heating System

At Ray-Tech Infrared we take pride in building the most efficient and user-friendly infrared road maintenance equipment available!

Operating Principle

- The infrared is created by premixed gas and air delivered under pressure by heavy duty 115V blower motors to converters.
- Each chamber consists of eight high efficiency and long- life stainless steel converters.

Chamber Construction

- Vented and reinforced 16 gauge stainless steel 8' x 3' (propane) or 6' x 3' (natural gas). Support structure, manifolds and all components are stainless steel.

Maximum Fuel Usage

- 8' x 3' (propane): 26.2 lbs (6.2 gals.) per hour.
- 6' x 3' (natural gas): 411.5 cubic feet per hour

FUEL:

- A propane system will be designed for vapor withdrawal propane, normally delivered, via high-pressure gas lines, through a strainer to a regulator, where the pressure is reduced to 11" water column.

POWER REQUIREMENTS:

Each chamber is powered by a 115 volt AC source.

OPERATING CONTROLS:

The operating controls for each chamber is included and will be

located at a control station of the operator's choosing, so that each can be turned on, ignited and turned off independently.

ATTACHMENT:

Each chamber has 2" x 1" x 1/8" channel iron attached to each end. Mating 41" lengths of C3 x 4.1 channel iron, with chamber height adjustable top wind jacks (one at each end), are supplied for mounting to the customer's conveyor structure. Ray-Tech can recommend a source for the conveyor system or the customer may choose to supply their own.

DIMENSIONS:

Propane Heating Chamber Only

Length: 8'
Width: 36½"
Height: 6"
Weight: 420 lbs.

With Attachment Brackets

Length: 8'
Width: 54"
Height: 32"
Weight: 475 lbs.

Natural Gas Heating

Chamber Only

Length: 6'
Width: 36½"
Height: 6"
Weight: 315 lbs.

With Attachment Brackets

Length: 6'
Width: 54"
Height: 32"
Weight: 365 lbs.

Material mixers are available to mount on the belt to improve results.

Applications:

There are many possible applications for this equipment. It can be integrated into existing operations or can operate as a stand-alone system.

Below are some of the applications that we have tested for:

- Preheat aggregates for asphalt production.
- Preheat and reduce moisture in recycled asphalt to increase percentage of RAP used.
- Heat aggregates for concrete production.
- Remove moisture in metal slag, mill scale and gypsum.
- Provide heat for stand-alone asphalt production.