

# Aggregate Heating Solutions



**SOLUTIONS PMG** *Inc.*  
PROJECT MANAGEMENT GROUP



**Q :** Is your production reduced or stopped due to freezing or lumping of cold aggregate?



**A :** Yes!

Then our Aggregate Heating Solutions would be the ideal choice to improve your process. Our unique, pressurized hot air design provides a controlled heated product and prevents lumping and freezing. Whether in a new installation or retrofit, our Aggregate Heating Solutions will provide rugged and reliable operation to improve product quality and performance of your outdoor aggregate system.

## Benefits Of The Aggregate Heating Solutions

### Who ?

- √ Cement Producers
- √ Concrete Batch Plants
- √ Concrete Landscaping Product Manufacturers
- √ Limestone, Sand & Gravel Producers
- √ Precast Concrete Manufacturers
- √ Slag Processors

### How ?

- √ Our system can be customized to your specific requirements
- √ Maintains process conditions to facilitate accurate mixing
- √ Ensures uniform product moisture
- √ Enhanced process quality control
- √ Reduced product defects
- √ Reduced downtime
- √ TSSA approved, CSA Pending

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## Our System Uses Hot Air NOT Steam!

### Hot Air Provides Significantly More Benefits Than Steam

- ◆ Our Hot Air system has much lower utility and operational costs than a steam system.
- ◆ Heat energy delivery (MBTU/hr) can be lowered to any value. Steam's energy delivery must be maintained or steam could convert to water and freeze.
- ◆ You can stop a hot air system at anytime. Adversely you cannot stop a steam system as moisture in product could condense and freeze.
- ◆ Moisture is added to product when using steam. This results in fluctuations of moisture levels and affecting product quality.
- ◆ Poorly operated and maintained steam systems can result in accumulations of moisture which can freeze and plug systems.

### Model Sizes

- ◆ Model #15HP : Aggregate / Sand Heating Process
  - ◆ 15 Tonne, 50 °F / 120 MBTU/hr, Direct Gas Fired
- ◆ Model #25HP: Aggregate / Sand Heating Process
  - ◆ 25 Tonne, 50 °F / 750 MBTU/hr, Direct Gas Fired
- ◆ Model #25FP: Aggregate / Sand Freeze Protection
  - ◆ 25 Tonne, 120 MBTU/hr Direct Gas Fired
- ◆ Solutions PMG can custom design a system based on your specific requirements.



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