



AGREEN

Radiant Heating
System

AGREEN Unit



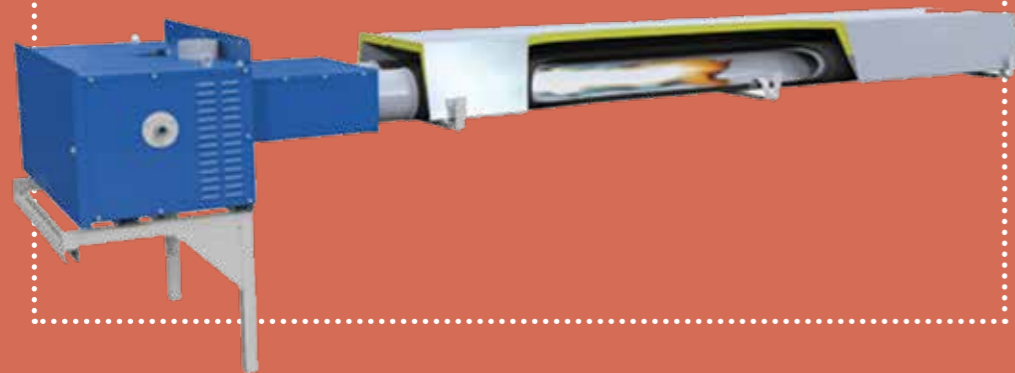
AGREEN

The most up to date radiant heating system, suitable to heat small, medium, and large halls
Capability to install the burner outside of the hall with no need for chimneys

Technical Specifications:

- 85% combustion efficiency of the burner
- Recycling system for combustion fume products
- Electronic control system for the burner equipped with temperature and pressure sensors
- Flame and vacuum detection safety systems
- Two-pipe radiant band of spiral type with 180mm diameter and two-layer pressing
- 18% extra thermal efficiency compared with the common radiant heating systems
- AGREEN radiant heating system

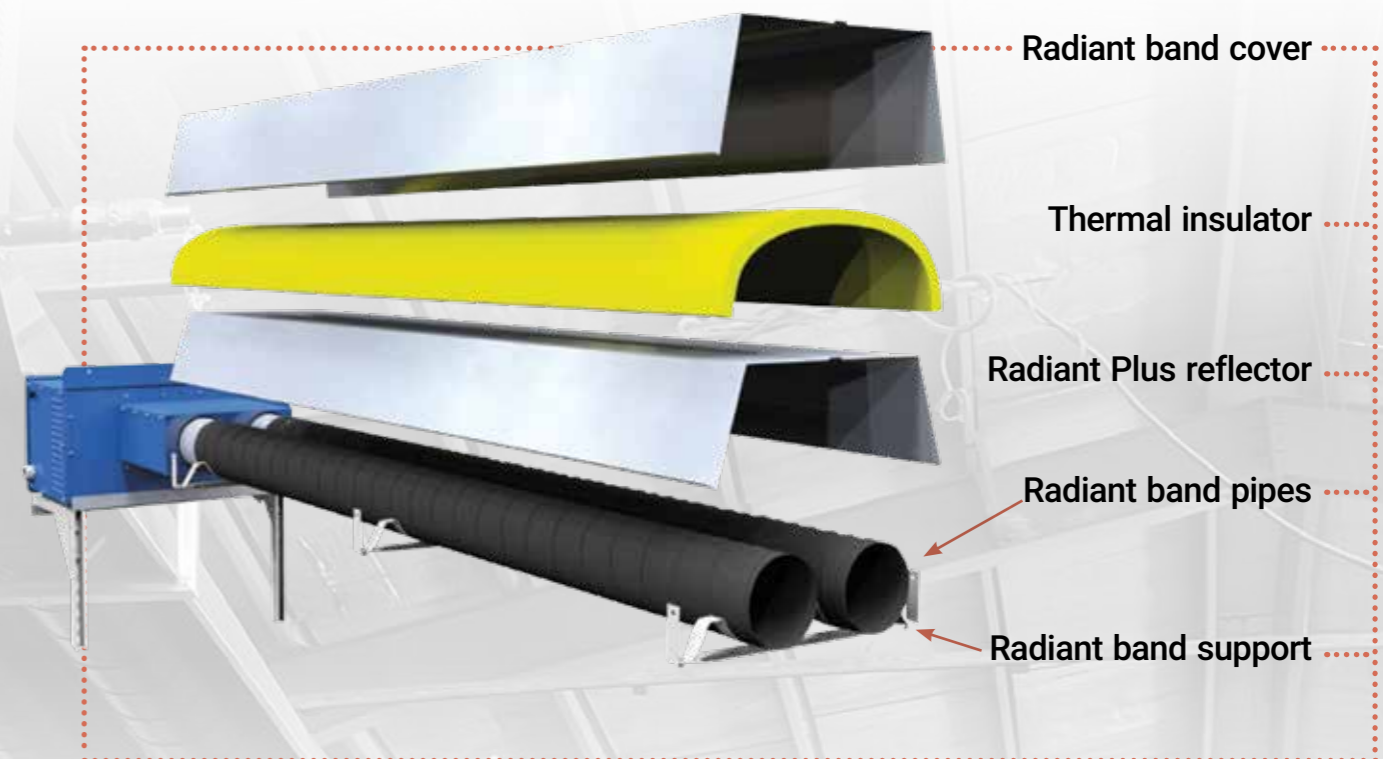
AGREEN radiant heating system



Radiant band

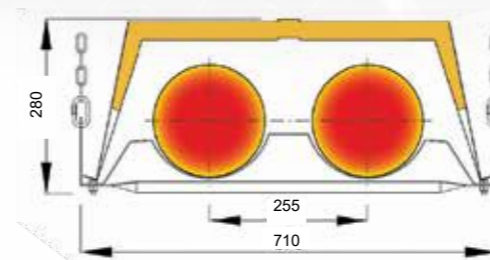
The radiant band has the most significant role in radiative heat transferring. Radiant Plus reflectors are utilized in this system to provide maximum thermal efficiency with extremely high radiant factors compared with the regular models. This reflector radiates the highest amount of heat towards the hall floor.

Thermal insulation and cover could be used in specialized models fabricated according to the customer order to ensure maximum thermal efficiency on the hall floor and minimum thermal loss from the radiant band's upper section.



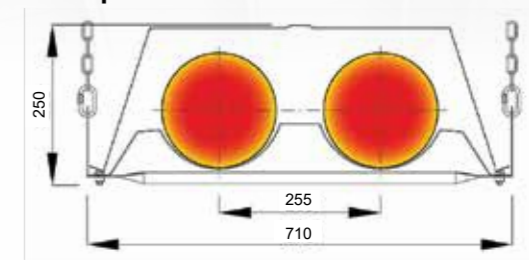
Specialized Radiant Band (Customized)

Radiant band weight is 10kg per meter.



Standard Radiant Band

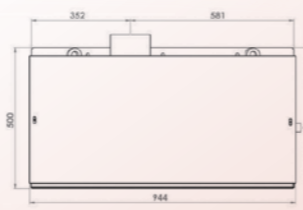
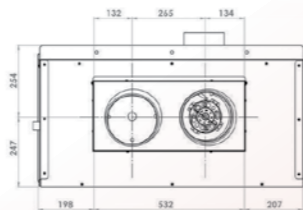
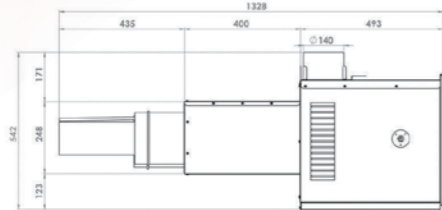
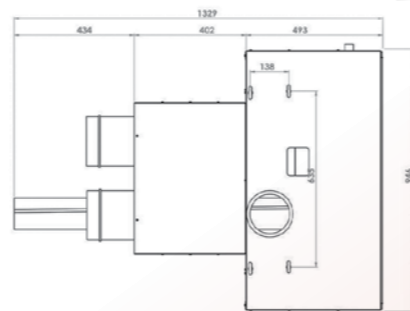
Radiant band weight is 8kg per meter.



Technical features and dimensions heating unit of AGREEN

Model		AGREEN 18	AGREEN 24	AGREEN 30	AGREEN 36
Thermal capacity	kCal/hr	47.000	62.000	86.000	94.000
	kW	54	72	100	110
Combustion performance	%	82	82	83	85
Gas consumption	Natural Gas				
	m ³ /h	6	8	9.5	10.5
Electrical power supply	V/Hz	380V / 50 Hz			
Gas connection	Inches	3/4			
Required gas pressure	mbar	20			
Burner weight	kg	75			
Standard radiant band weight	Kg/m	8			
Band length	m	18	24	30	36
Fume pipe diameter	mm	140			

* Specialized Radiant Band weight is 10kg per meter.



AGREEN Features:

- Can Install the burner outside and inside of the hall
- Installable at higher points and not occupying useful workspaces
- Easy and rapid installation
- 18% more thermal efficiency compared with local heating systems
- Uniform distribution of the heat all over the hall
- Eliminating cold distances compared with heating systems
- Temperature and torch capacity reconfigurability according to customer requirements
- Gas consumption reduction up to 50%
- Power consumption reduction up to 90%
- 10-year guarantee for stainless steel combustion chamber Using nipple joints to connect the radiant band
- Automatic controllability of temperature and time by installing a control panel



Akhgar Tabesh

AGREEN



AKHGAR TABESH
Industrial halls
PROJECTS



Design, Production, Installation of Radiant Heating Systems



Akhgar Tabesh

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