

# CERAMIC INFRARED HEATER: OUR RESULT

A strategic and cost-effective infrared heating system



Roof installation



Wall installation

Ceramic Heater is a system consisting of independent infrared heaters with a high efficiency designed and produced according to modern and rational production systems: lightweight, compact, and adjustable to ensure a uniform diffusion of heat in set areas. One of the main advantages of Ceramic Heater is the application of the physical principles of radiation which means heating only specific surfaces or zones, thus avoiding the expense of heating large areas. This means heating only where, when and to the extent desired: with Ceramic Heater this is possible thanks to strategic engineering of each project in order to optimize the structure, requirements and costs. This great versatility is most advantageous where large space need to be heated (factories, store, gyms, churches, garages, showrooms etc.). The advantage of using several modules strategically positioned thanks to a cross-field system ensures an even distribution of heat only on the surfaces that need to be heated.

The infrared heating system Ceramic Heater is comfortable, safe and fast (95% of the radiated power is reached in 5 minutes); these are all features that lead to a reduction of energy consumption by over 60% compared to traditional radiating systems.



Perfectly suitable in any environment, whatever height. Simple installation with minimum architectural impact.



Long-life heaters modules: made from first-class materials, they have no problems with low temperatures.



Easy servicing

A photograph of a ceramic infrared heater mounted on a wall in a room with classical architectural details like columns and arches. The image is partially obscured by a teal overlay.

**Ceramic Infrared Heater**

Distributor:

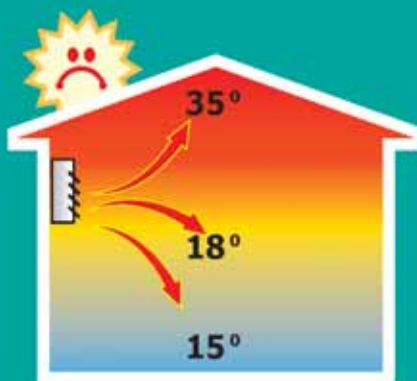
*Ceramic Infrared Heater*



## Ceramic Infrared Heater

### The Sun, our source of inspiration

#### The advantages of radiation



Convection system:  
100% operating costs



Infrared Heating system:  
55% operating costs

The sun, source of heat par excellence, can heat earth and its solid bodies by means of infrared rays that propagate without being absorbed by air. This natural phenomenon of heat propagation is called radiation. Its study and application are what our experience is based on. The radiation technology offers many superior advantages compared to traditional heating systems.

Here are a few examples.

A traditional convection systems needs to heat and move large masses of hot air that normally propagates upwards. To ensure a comfortable temperature, the whole volume of the building needs to be heated. In addition, power is needed to move air that causes harmful currents and lifts any dust in the environment. The system has a high thermal inertia and requires a rather long preliminary heating of the air, therefore high energy consumption.

On the contrary, radiation heats bodies directly because it uses electromagnetic energy that is transformed directly into heat when in contact with solid bodies. The system does not need to heat air and also avoids any overheating of the higher areas of the building causing heat dispersion. Infrared radiation propagates in a straight line in all directions and naturally without the need for further means and power, or requiring the movement of air. This means a drastic cut on energy consumption, no dangerous currents and dust. Heat is produced by means of gas generators: a clean energy with low-impact combustion residues. All these advantages put together make radiation a versatile, economical and environment-friendly conditioning system.

45%



Comfortable and even temperature without considerable differences between the upper and lower part of solid bodies.



Healthy and clean environments without dust and uncomfortable air pockets; no noise and the right amount of oxygen in the environment.



Fast heating: 95% of the power rating in 5 minutes.



Over 50% reduction of costs compared to traditional convection systems.



## Ceramic Infrared Heater

### Ceramic and steel: a successful combination

#### Ceramic Infrared Heater Technology



Ceramic and steel are the materials used by Ceramic Heater in the production of Ceramic infrared heaters because of their quality so high radiating power in the first, strength and durability in the second. Ceramic Heater has skillfully concentrated these unique features into one product thanks to the company's expertise and experience in the heating field. The use of innovative production techniques such as laser cutting and the great care paid to all stages of production ensures that all EnCeramic heaters have a high technological quality.

#### The advantages of Ceramic Infrared Heater



With the Ceramic Heater system, the propagation of heat occurs through ceramic incandescence modules with low alveolar intensity: the high radiation power of ceramic (30% greater than steel) and the special crater structure of the alveoli ensures a considerable increase of the radiating surface, of its temperature and therefore of the amount of radiated heat.



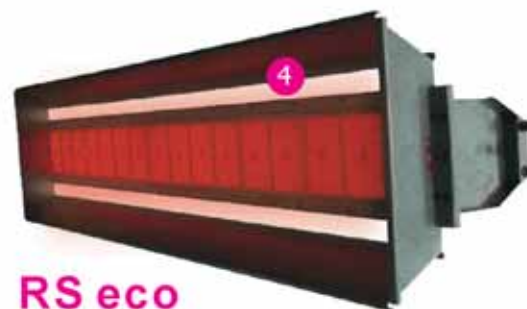
After the sun the best heating solution.



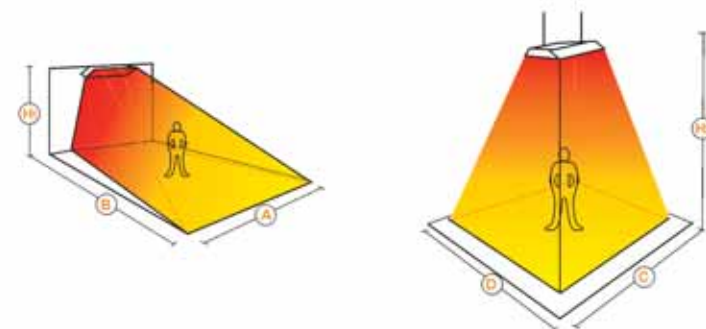
RS



RC



RS eco



## RS

Installation			RS4	RS6	RS8	RS12
H1	min-max	m	3,5-5,0	4,0-5,5	4,5-7,0	5,0-10,0
A		m	4,0	6,0	7,0	8,0
B		m	4,5	6,0	8,0	9,0
H2	min-max	m	3,5-5,0	4,0-5,5	4,5-7,0	5,0-10,0
C		m	4,0	7,5	8,5	9,5
D		m	5,5	8,0	9,0	11,0

NOTE: Contact us for installation exceeding data in the table.

## RC

Installation			RC4	RC6	RC8	RC12	RC16	RC12+12
H1	min-max	m	3,5-5,0	3,5-5,5	4,0-6,5	4,5-9,0	5,5-10,0	6,0-13,0
A		m	4,0	5,0	7,0	8,0	8,5	10,0
B		m	4,5	6,0	8,0	9,0	10,0	12,0
H2	min-max	m	3,5-5,0	3,5-5,5	4,0-6,5	4,5-9,0	5,5-10,0	6,0-13,0
C		m	4,0	5,0	7,5	8,5	9,0	11,0
D		m	5,5	7,0	8,0	9,0	10,0	12,0

NOTE: Contact us for installation exceeding data in the table.

## RSeco

Installation			RC4	RC6	RC8	RC12	RC16	RC12+12
H1	min-max	m	3,5-5,0	4,0-5,5	4,5-7,0	5,0-10,0	6,0-12,0	7,0-15,0
A		m	4,0	5,0	7,0	8,0	8,5	10,0
B		m	4,5	6,0	8,0	9,0	10,0	12,0
H2	min-max	m	3,5-5,0	4,0-5,5	4,5-7,0	5,0-10,0	6,0-12,0	7,0-15,0
C		m	4,0	5,5	7,5	8,5	9,0	11,0
D		m	5,5	7,0	8,0	9,0	10,0	12,0

NOTE: Contact us for installation exceeding data in the table.



1 High-efficiency ceramic burner. Total combustion and maximum efficiency.

2 Stainless steel and porcelainized reflecting body. Perfect adaptability to any environment.

3 Models with single or double ignition. Fast and safe ignition.

4 Combustion products conveyed into ducts. Maximum safety and healthy environment.

5 Adjustability means changing the direction of the radiated heat even after installation.

6 Customisable external structures. Special finishes for particular applications.



7 Different solutions for types of installation and markets.

8 Static burner with no moving parts, silent and safe.



## RS

### Technical Data

			RS4	RS6	RS8	RS12
Heater surface	Min-max	mq	25-35	35-45	40-65	60-80
Heating capacity		kW	6,5	9,5	13,0	190
G.20natural gas	devices(s)	mc/h	0,70	1,05	1,40	2,10
	gas consumption	mbar	20-45	20-45	20-45	20-45
G3.0LPG	pression	kg/h	0,60	0,79	0,98	1,47
	gas consumption	mbar	35-45	35-45	35-45	35-45
Working	Electronic					
Electric feeding	singlephase 230 V-50 Hz-25 Va					

**NOTE:On request different votage and frequency.**

### Dimensions

			RS4	RS6	RS8	RS12
L	Heater length	mm	370	555	740	111
M	valve group	mm	220	220	220	220
lunghezza	overall	mm	670	855	1040	1410
F	total height	mm	240	240	240	240
G	width	mm	260	260	260	260
Peso	net	kg	12,0	15,0	17,0	22,0
Gas fittings diameter			1/2"	1/2"	1/2"	1/2"

## RC

### Technical Data

			RC4	RC6	RC8	RC12	RC16	RC12+12
Heater surface	Min-max	mq	25-35	35-45	40-65	60-80	80-100	100-120
Heating capacity		kW	6,5	9,5	13,0	19,0	26,0	38,0
Start-up and control device(s)		no	1	1	1	1	1	2
G.20natural gas	devices(s)	mc/h	0,62	0,91	1,26	1,91	2,68	3,82
	gas consumption	mbar	20-45	20-45	20-45	20-45	20-45	20-45
G3.0LPG	pression	kg/h	0,47	0,68	0,90	1,34	1,80	2,72
	gas consumption	mbar	35-45	35-45	35-45	35-45	35-45	35-45
Working	Electronic							
Electric feeding	singlephase 230 V-50 Hz-25 Va							

**NOTE:On request different votage and frequency.**

### Dimensions

			RC4	RC6	RC8	RC12	RC12	RC12+12
L	Heater length	mm	420	605	790	1.160	1.530	1.160
M	valve group	mm	250	250	250	250	250	300
lunghezza	overall	mm	670	855	1.040	1.410	1.780	1.460
F	total height	mm	250	250	250	250	250	250
G	width	mm	370	370	370	370	370	600
Peso	net	kg	13,0	14,0	21,0	23,0	27,0	44,0
Gas fittings diameter			1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

## RS eco

### Technical Data

			RC4	RC6	RC8	RC12	RC16	RC12+12
Heater surface	Min-max	mq	25-35	35-45	40-65	60-80	80-100	100-120
Heating capacity		kW	6,5	9,5	13,0	19,0	26,0	38,0
Start-up and control device(s)		no	1	1	1	1	1	2
G.20natural gas	devices(s)	mc/h	0,62	0,91	1,26	1,91	2,68	3,82
	gas consumption	mbar	20-45	20-45	20-45	20-45	20-45	20-45
G3.0LPG	pression	kg/h	0,47	0,68	0,90	1,34	1,80	2,72
	gas consumption	mbar	35-45	35-45	35-45	35-45	35-45	35-45
Working	电子控制							
Electric feeding	单相230 V-50 Hz-25 VA							

**NOTE:On request different votage and frequency.**

### Dimensions

			RC4	RC6	RC8	RC12	RC12	RC12+12
L	Heater length	mm	420	605	790	1.160	1.530	1.160
M	valve group	mm	250	250	250	250	250	250
lunghezza	overall	mm	670	855	1.040	1.410	1.780	1.460
F	total height	mm	350	350	350	350	350	350
G	width	mm	465	465	465	465	465	710
Peso	net	kg	15,0	17,0	24,0	26,0	30,0	48,0
Gas fittings diameter			1/2"	1/2"	1/2"	1/2"	1/2"	1/2"

