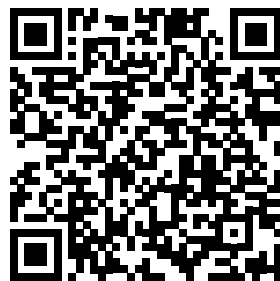
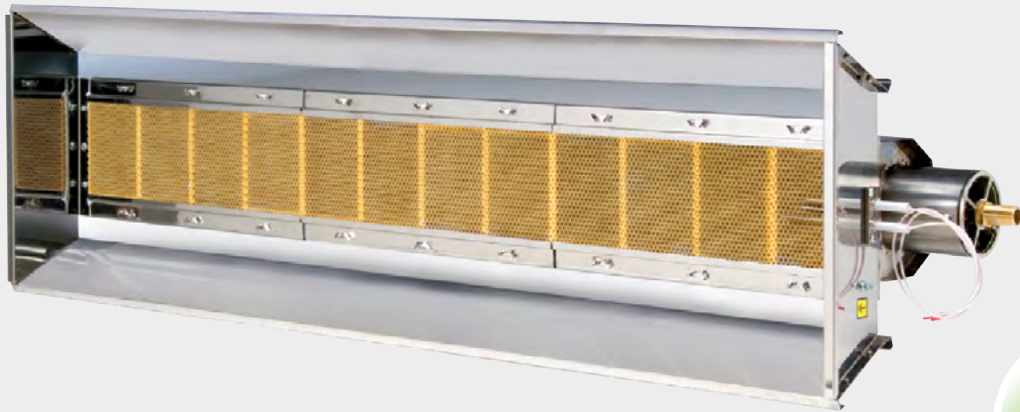


SYSTEMA

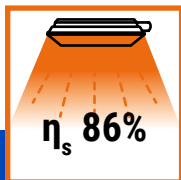
HEATING COOLING GREEN ENERGY

SCR-ECO

Gas-fired ceramic emitters, Heating of various environments types from 7.5 to 55 kW



FAST AND EASY
INSTALLATION



HIGH
EFFICIENCY



HIGH
RELIABILITY



LOW
MAINTENANCE



FAST AND HIGH
THERMAL COMFORT



ENERGY
SAVING

GENERAL FEATURES



SCR-ECO gas-fired ceramic emitters are a radiant heating system with either natural gas or LPG supply.

They are specifically designed to heat any type of environment, the operation is completely autonomous and the main advantage is the flexibility of installation, which allows the most varied requirements in space heating to be met, they can in fact be installed even in hard to reach places or niches, as well as in large areas.

The simplicity of installation and flexibility allow zoned heating by concentrating heat only in specific selected areas, only where it is needed, as much and when it is needed; eliminating the unnecessary cost of heating large areas entirely.

The entire **SCR-ECO** range consists of a series of models with outputs ranging from 7.5 to 54 kW, and can be installed either on walls with inclinations from 30° to 60°, or on ceilings.

ADVANTAGES

- Greater thermal comfort with lower air temperature
- No thermal gradient and therefore less dispersion
- No air movement and no dust in suspension
- Low thermal inertia
- Possibility of zone heating
- Absolute silence
- Fuel saving and respect for the environment:
 - Less dispersion thanks to the absence of thermal stratification
 - Reduced plant running time due to low thermal inertia. Rapid start-up even after prolonged shutdowns and very low maintenance costs complete the system's economy management features

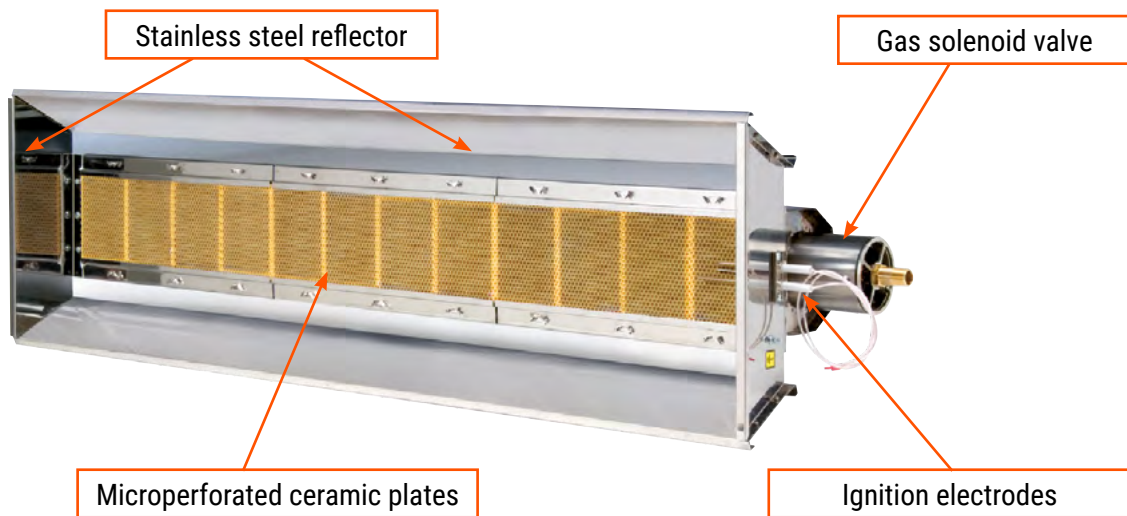
FIELDS OF APPLICATION

- Industry and machine shops
- Aerospace Industry
- Steel, Aluminium, Alloy Production
- Ceramic Industry
- Plants, Logistics, Distribution Centres, Warehouses
- Animal husbandry, Livestock
- Agriculture
- Food and Canning Industry
- Airport Hangars
- Railway Maintenance Centres
- Commercial and Tertiary Environments
- Indoor Sports Environments, Gyms, Sports Centres
- Multi-purpose centres

CONSTRUCTION FEATURES

The radiant surface can reach temperatures in the order of 1200°C, emitting infrared rays that heat environments.

- Treated steel venturi
- Radiant surface consisting of micro-perforated ceramic plates
- Reflector in specular stainless steel sheet
- Flame ionisation ignition and safety device
- Gas solenoid valve fitted with double coil and gas stabiliser



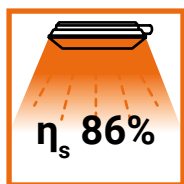
SCR-ECO RANGE

Model	η_s	Thermal power
SCR-ECO 7/4	85 %	7,5 kW
SCR-ECO 10/6	85,6 %	10 kW
SCR-ECO 18/10	86 %	17,5 kW
SCR-ECO 22/12	86,1 %	21 kW
SCR-ECO 29/16	86 %	27 kW
SCR-ECO 44/12+12	85,8 %	41 kW
SCR-ECO 58/16+16	86,1 %	54 kW

η_s = Seasonal energy efficiency of space heating ($\geq 74\%$) with installation in heated environment

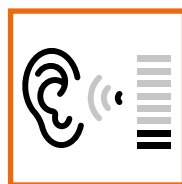
Model SCR-ECO		7/4	10/6	18/10	22/12	29/16	44 12+12	58 16+16
Radiant Surface	cm ²	445	660	1125	1350	1780	2700	3560
Dimensions								
Length (L)	mm	630	830	1205	1390	1800	1390	1770
Height (H)	mm	295	295	295	295	295	295	295
Depth (D)	mm	370	370	370	370	370	560	560
Weight	kg	7	8,5	11,5	13	16	24	30
Minimum installation height								
0° installation	m	3,7	4,1	4,9	5,2	5,6	6,4	7
45° installation	m	3,4	3,7	4,4	4,6	5	5,7	6,2

ADVANTAGES OF USING SCR-ECO



HIGH COMBUSTION EFFICIENCY

SCR-ECO offers high combustion efficiencies, and low atmospheric Low NOx emissions, with a seasonal room heating energy efficiency η_s ($\geq 74\%$) of up to **86,1%**



NOISELESS OPERATION

As it has no direct ventilation, **it is particularly quiet in operation** and can be installed in gyms or sports centres without causing any acoustic nuisance.



QUICK INSTALLATION AND START-UP

It only needs a gas/electric connection and a flue gas outlet, installation is simple:

- 1. you mount it**
 - 2. you connect it**
 - 3. you switch it on**
- and in about 15 minutes its heat is already perceptible.**



SAVES SPACE WITHOUT THE NEED FOR A CENTRAL HEATING UNIT

SCR-ECO in fact, thanks to its particular characteristics, avoids floor space and allows people to carry out their activities without any kind of obstacle. You install it without the need for a central heating plant, and in the case of extensions or modifications it is easy to move to heat new areas.



MAXIMUM SAFETY IN OPERATION

CE-certified in accordance with Directive 90/396 EEC. LOW VOLTAGE directive 73/23CEE and ELECTROMAGNETIC COMPATIBILITY ECM 89/336/CEE. Appliance conforms to European standard UNI EN 416-1, **European standard for radiant efficiency UNI EN 416-2.**

CONTROL PANELS FOR SCR-ECO



Standard CE panel with digital temperature control

Available in 3 versions:

Code	Description	Appliances-zone
00CEQU1196/A	Standard CE control panel with temperature probe for 1 radiant module	1 - 1
00CEQU1198/A	Standard CE control panel with temperature sensor for 2 radiant modules	2 - 2
00CEQU1200/A	Standard CE control panel with temperature sensor for 3/4 radiant modules	4 - 4



CE Panel Chronothermostat with daily/weekly programming and timer

Available in 3 versions:

Code	Description	Appliances-zone
00CEQU1197/A	CE control panel with timer and temperature probe	1 - 1
00CEQU1199/A	CE control panel with timer and temperature probe	2 - 1
00CEQU1201/A	CE control panel with timer and temperature probe	4 - 1

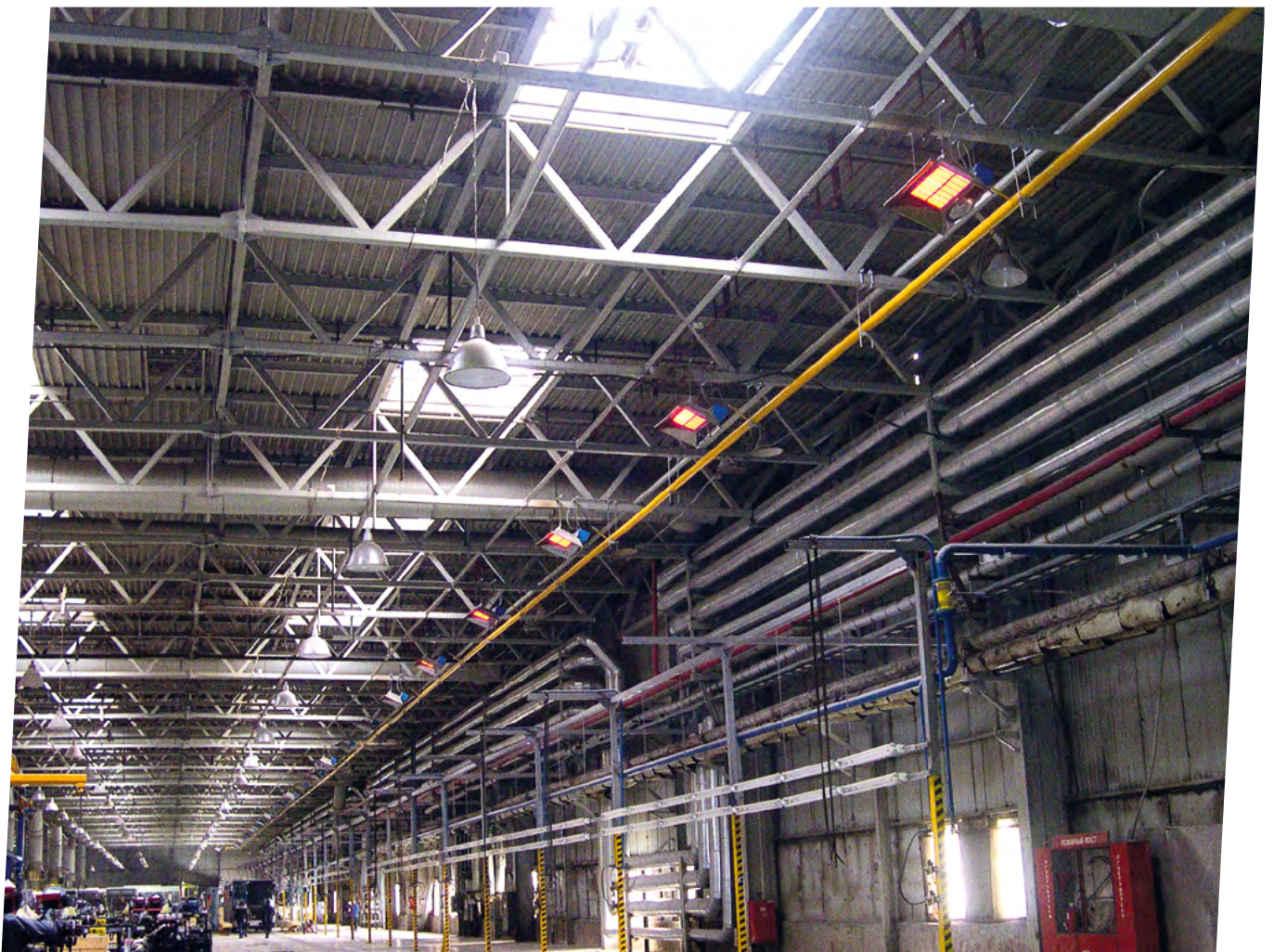


SLIM control panel - 1 thermal zone with chronothermostat and digital temperature control

Available in 3 versions:

Code	Description	Appliances-zone
00CEQU2667	SLIM control panel Chronothermostat for 1 radiant module	1 - 1
00CEQU2668	SLIM control panel Chronothermostat for 2 radiant modules	2 - 1
00CEQU2669	SLIM control panel Chronothermostat for 3 radiant modules	3 - 1

RÉFÉRENCES



RÉFÉRENCES





Since 1986, Systema S.p.A. is one of the leader companies in Italy and Europe in designing, developing and producing devices for the heating and conditioning in industrial and commercial buildings.

There has been always in Systema's Research and Development department where high investments have been made, since the beginning, for the creation of an internal laboratory who could design and offer highly innovative products that can satisfy and anticipate all the requests coming from the market. In this field Systema works together with important Italian, European and extra-European laboratories and university departments. A cooperation which leads to the concept of innovative and visionary products and solutions and to the obtaining of several international patents.

Systema S.p.A. differs from competitors because can offer a complete range of products that goes from commercial and industrial heating with radiant and hot air solutions, to conditioning with absorption chillers, electric heat pumps and evaporative adiabatic coolers and with a specific focus on the agricultural and breeding farms products for heating (both heaters and radiant systems) and conditioning with adiabatic coolers. This range has been conceived looking for environmental-friendly products with the lowest energy consumption.

Managing such a large range of products is not easy but, also in this field, Systema S.p.A. has been always different with an internal and external organization that guarantees high quality services through an extensive commercial network made of highly qualified technical salesmen, an internal organization of customer service with experience in designing and consultancies well aware of all the required standards and rules and a massive after sales structure both internal and external that Systema keeps regularly update in order to have technicians who are always very well prepared.

The work of these structures is greatly facilitated by Systema S.p.A.'s production facilities, which are made up of the highest quality standards and production processes that are technologically advanced and constantly modernised. The united work of those responsible for production, procurement and quality allows Systema S.p.A. to make available to its commercial structure products and systems that are of high quality, reliable and made in full compliance with the most advanced standards.

Systema S.p.A. is able to supply its sales organisation with products and systems of high quality and reliability and manufactured in full compliance with the most advanced standards.

Systema S.p.A. has thus managed, over the years, to gain a strong international presence which sees it active in markets all over the world, carrying forward the flag of top quality Made in Italy and achieving leadership positions in many countries. A strategic decision was taken by Systema S.p.A. to create Systema Polska, which is able to provide a highly qualified, high quality production force and a commercial structure, in synergy with that of Systema S.p.A., which is able to present and improve the commercial penetration of Systema products in markets such as Poland and neighbouring countries.

The synergies put in place have greatly facilitated the growth of the services offered to the market, services made up of a very high level of attention to the customer, who in Systema finds not only a business partner but also a highly qualified technical consultancy service that goes hand in hand with reliable after-sales services that are always ready to quickly resolve any problems reported by the customers themselves.

*Systema: focus on the future
by interpreting the present...*



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