

C O M F O R T   F O R   L A R G E   S P A C E S

R a d i a n t   h e a t i n g



**Gi**ndustrie  
gaz

# The comfort for **LARGE SPACES**



## **Proud to be a part of Thomas & Betts**

For over a century Thomas & Betts has been a leader in manufacturing electrical components, steel structures and HVAC equipment. Since 2002 the Gaz Industrie team contributed to the world-wide growth of Thomas & Betts while benefitting from the association of 13000 fellow employees.



## **A market leader passionately focused on excellence**

Even before the stakes were raised to an international level, Gaz Industrie already had a reputation for excellence unrivalled in its field. Our installations, widely acclaimed on every continent, demonstrate our striving for the latest technology and innovation.



## **A wide product range**

Since our integration into Thomas & Betts, we have been able to strengthen our position as the undisputed leader in radiant heating. We have extended our range with the most innovative solutions for warm air heating and ventilation, for both industrial and institutional buildings.



## **We innovate for your benefit**

Our R & D department is equipped with the most advanced equipment and software. They are always conscious to the needs of the market in order to provide you with the solutions that are best suited to your demands for comfort, quality and performance. All within the constraints of your budget.



## **Our customer orientation**

When choosing the right solution for heating, cooling or ventilating, you need to take into account numerous variables related to your building and its uses. We offer you our expertise in every stage of your project. We will advise you about the most efficient ways to use meet your project goals.



## **High quality that ensures sustainable solutions**

Our philosophy is staunchly focused on protecting the environment. This philosophy is based on two principles, the performance of the equipment in our range and the materials used in our fabrication process. In this way, we can reduce energy consumption. Only a rigorous quality policy enables us to sustain these efforts as well as our ambitious goals.



**HEATING** for industrial and commercial buildings



Gaz Industrie is fully dedicated to a quality-based approach, as confirmed by our ISO 9001 certification. We take active part in the efforts of different interests groups involved in the development and maintenance of standards for decentralized gas heating.

THE STRENGTH OF

**Thomas & Betts**

# heating

**SOLUTION** for HIGH CELLING BUILDINGS  
insulated or not



**ENERGY SAVINGS** of 20 to 50%  
in comparison with conventional systems:

- Fast heat startup
- No stratification, minimises waste of heat
- Highly efficient radiant and combustion models
- Heat is produced where needed to avoid energy losses



**CLEAN SYSTEM**: no displacement of air or dust



**ADJUSTABLE SYSTEM**:

- Total building or spot heating
- Choice of flue type: individual flue, collective flue system or balanced flue system (roof or wall)



**ACOUSTIC COMFORT**: quiet



**SIMPLE AND QUICK INSTALLATION**



**CERA SYSTEM**

*« Aesthetics and performance,  
the perfect combination »*



# CERA SYSTEM

Aesthetics and performance,  
the perfect combination



## USES

- Sports venues
- Commercial surfaces
- Exhibition halls
- Car dealerships
- Industrial buildings
- Production plants
- Warehouses...

## LINEAR CONCEPT

- Output: 7 to 30 kW - 5 models
- Length: 4 to 19 meters
- The ideal finish

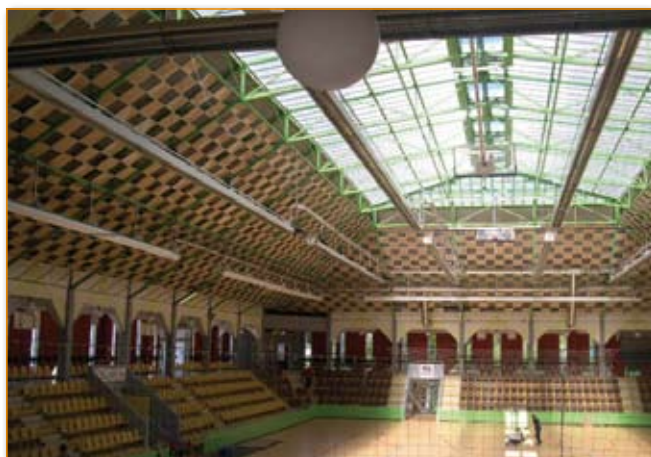


Indoor track

## The advantages of the Cera System

- Silent operation.
- Radiant efficiency over 70%.
- Affects a 50% larger surface than a compact radiant tube
- Simple and quick installation - models 10 and 15 delivered fully pre-assembled
- Choice of exhaust :
  - Directly into the air depending on standards.
  - Individual.
  - Collective.

## Examples of applications



*Sports venue*



*Train maintenance facility*



*Sports venue*



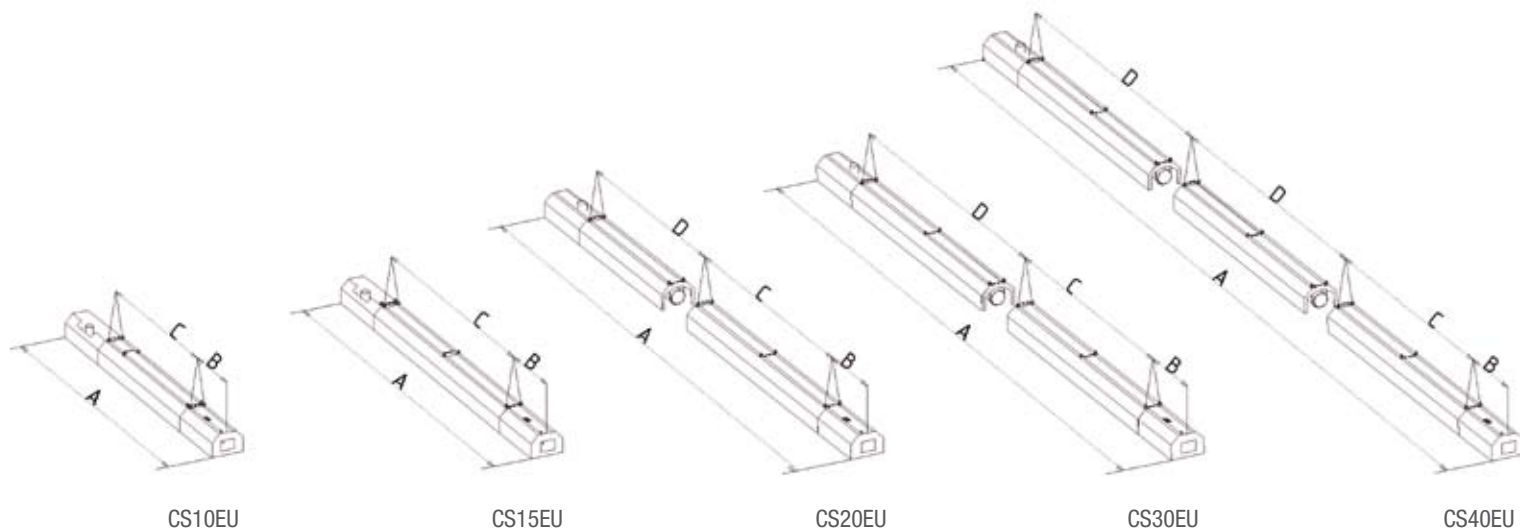
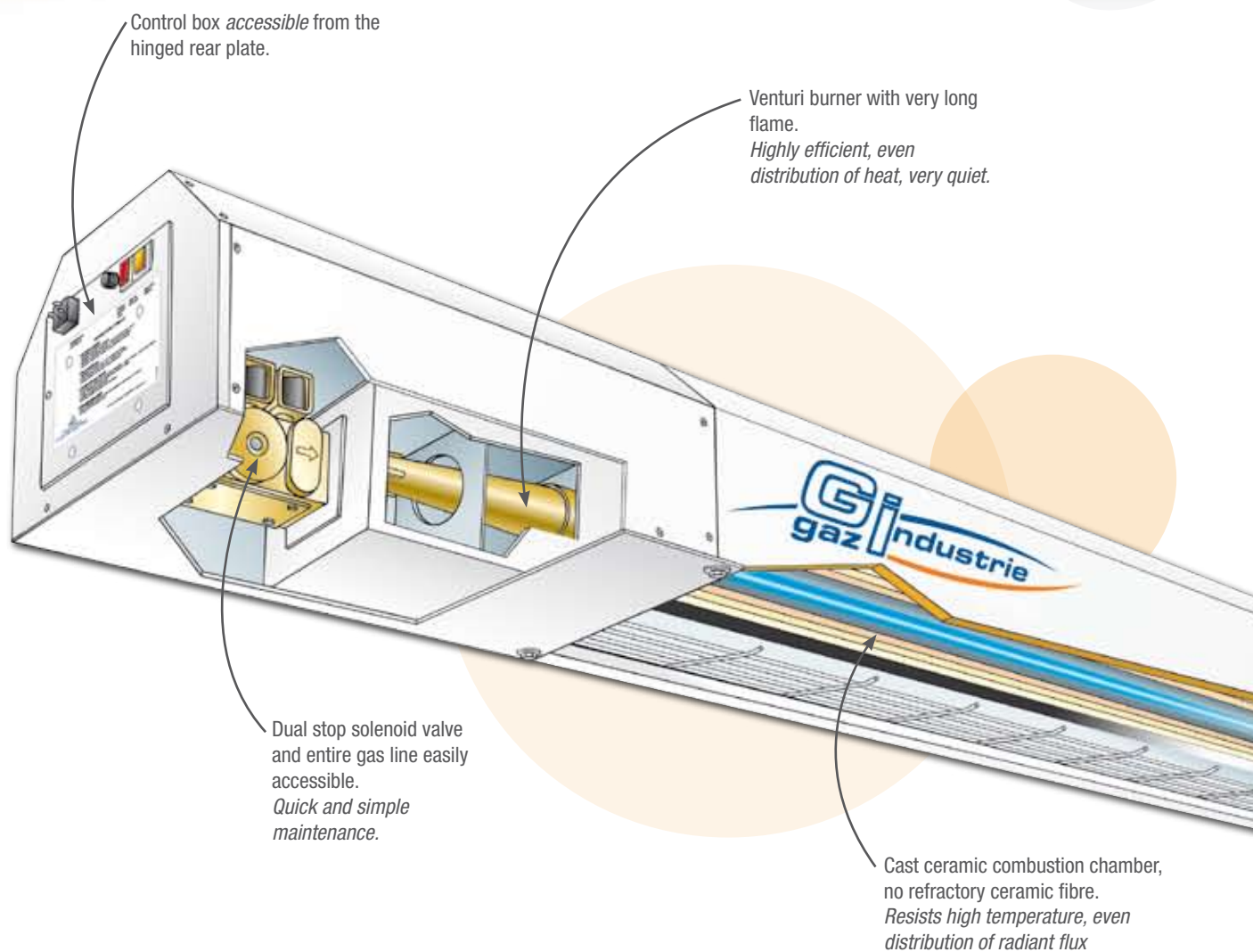
*Car dealership*





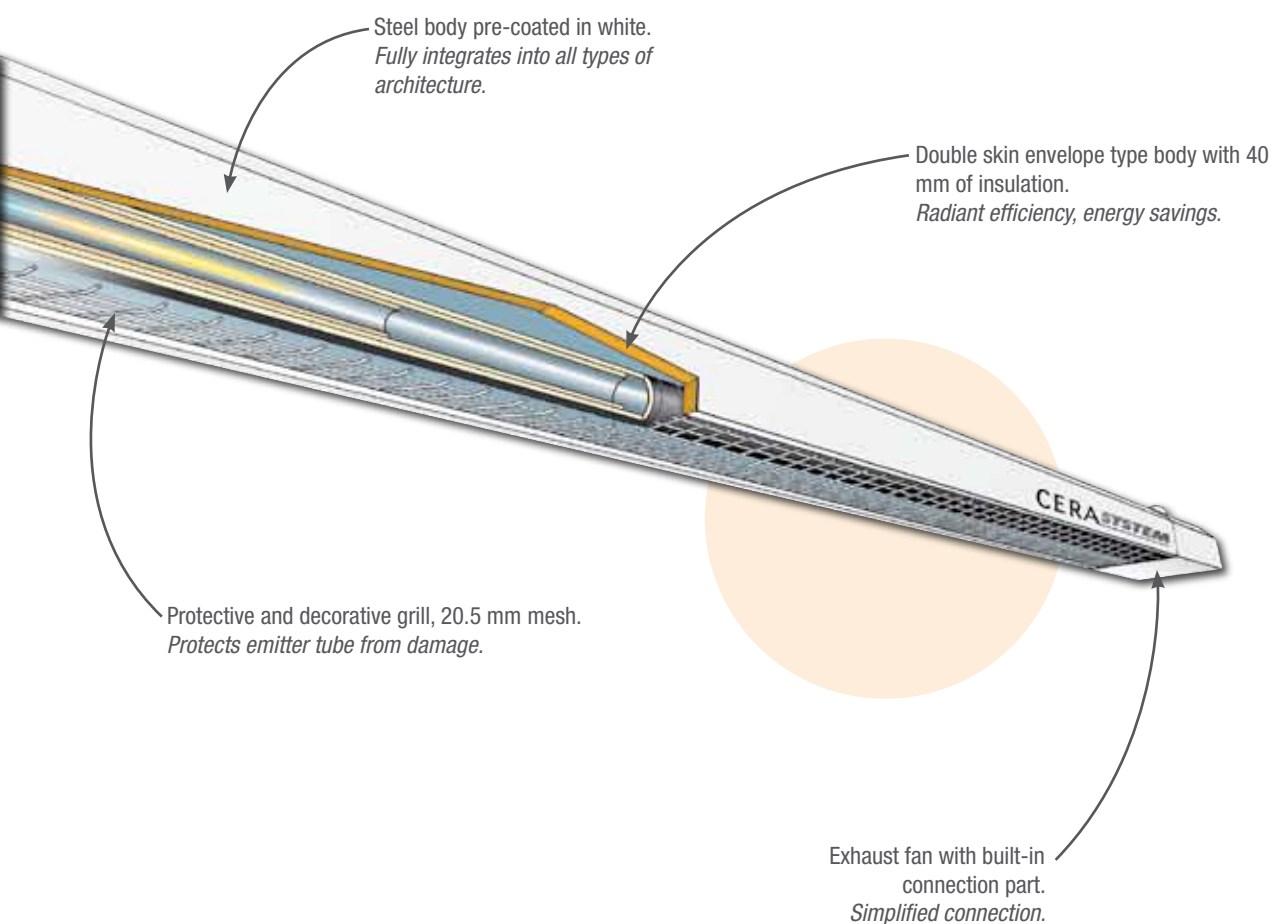
# CERA SYSTEM

Aesthetics and performance,  
the perfect combination



## Technical characteristics

CS Model	Output	Gas type	Gas supply	Nominal gas flow	Diameter gas connection	Voltage	Electric start up power	Dimensions mm				Weight kg
	kW		mbar	m³/h				A	B	C	D	
CS10EU	7	2H	20	0,74	1/2" GAS	230/240V 50Hz Single phase	115 VA	3920	570	2970	-	60
		2L	25	0,86								
		3P	28630/37	0,54								
CS15EU	15	2H	20	1,59	1/2" GAS	230/240V 50Hz Single phase	115 VA	6890	570	5940	-	110
		2L	25	1,85								
		3P	28630/37	1,17								
CS20EU	20	2H	20	2,12	1/2" GAS	230/240V 50Hz Single phase	115 VA	9920	570	5940	3030	160
		2L	25	2,46								
		3P	28630/37	1,55								
CS30EU	30	2H	20	3,17	1/2" GAS	230/240V 50Hz Single phase	115 VA	12890	570	5940	6000	212
		2L	25	3,69								
		3P	28630/37	2,33								
CS40EU	30	2H	20	3,17	1/2" GAS	230/240V 50Hz Single phase	115 VA	18890	570	5940	6000	316
		2L	25	3,69								
		3P	28630/37	2,33								



# CONTROLS radiant heating systems

## Energystat range



### Regulator and control box (Polyester IP55).

- Daily and weekly programming.
- 3 set point regulation.
- Visualisation of operating sequences on LEDs.
- Forced operation clock override.
- Lateral disconnect switch.
- Voltage: 230 V single phase + grounding system.

## Pre-wired regulation control panel



- Steel IP59 box with key lock.
- Lateral disconnect switch.
- One or several regulation zones.
- Integrated regulator(s).
- Daily and weekly clock.
- Front control indicators.
- Forced operation clock override
- General protection for each circuit with HPC fuses.
- **Specific control panels upon request.**

## Infracapt modular 20.10



- Electronic regulator, specifically designed to control radiant heating appliances, the Cera System, high intensity heaters, ...
- Two regulation thresholds, needs to be connected to a programming clock.
- Visualization of operation with LEDs and digital display of operation status.

## Cera Tempo 20.10



Sequential control device for heating installations with the Cera System.

- 180 second post-ventilation, pre-set by the manufacturer
- Electronic lock during post-ventilation.
- Easy to integrate into control panels.



# Radiant h

## Radiant **HEATING**: the **COMFORTABLE**

### Why radiant heating ?

Because of their large volume, their architectural features or their lack of insulation, many industrial or institutional buildings are uncomfortable, simply because they are considered to be "unheatable".

However, **radiant heating, which works like the sun, inside buildings**, allows an enjoyable level of comfort. It also prevents technical problems caused by low temperatures in a production plant.

Every device emits radiation that travels through air without heating it. When it comes into contact with objects, walls and obviously also floors, it changes into heat. These properties allow unequalled flexibility while at the same time enabling you to control operational costs.

Gaz Industrie offers a range of radiant solutions, each having their own applications, technical properties, emitted temperature and affected surfaces. This means there is always a comfortable, custom made installation available for you.

**INDUSTRIAL AND INSTITUTIONAL BUILDINGS // PRODUCTION PLANTS // CAR DEALERSHIPS //**  
**EXHIBITION HALLS // WAREHOUSES // COMMERCIAL SURFACES // SPORTS CENTRES**