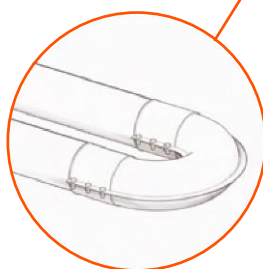
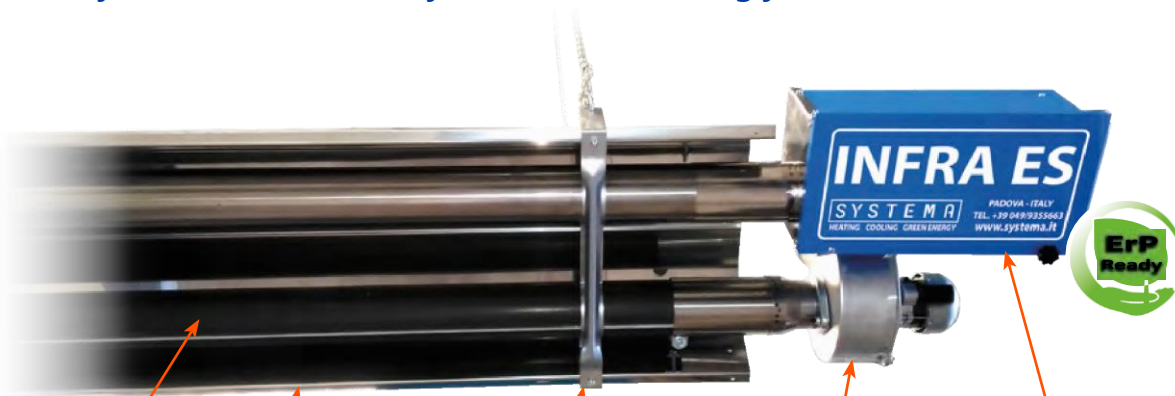


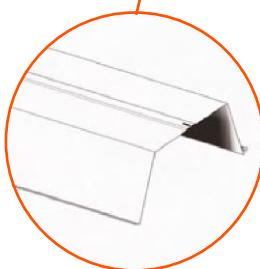


INFRA ES RADIANT TUBE

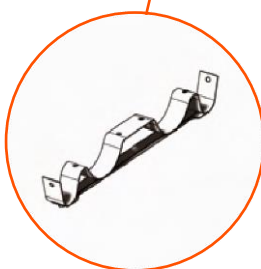
Gas fired radiant tubes for radiant heating from 28 to 60 kW



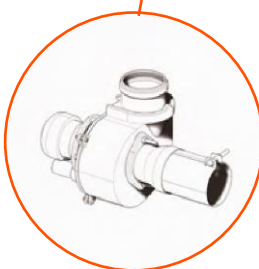
Heat exchanger in aluminised steel and



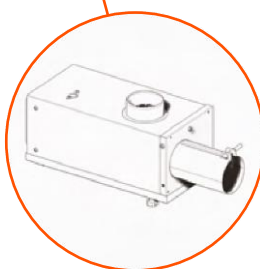
Stainless steel reflecting canopy*



Mounting brackets for tube and canopy



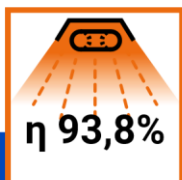
IP44 fan with motor protector



Systema aspired burner Systema



**FAST AND EASY
INSTALLATION**



**HIGH EFFICIENCY
AND EMISSIVITY**



**SILENT AND
HEALTHY**



**LOW
MAINTENANCE**



**FAST AND HIGH
THERMAL COMFORT**



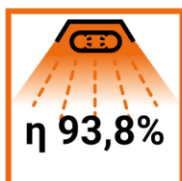
**LOW RUNNING
COSTS**

RANGE

Version	Model	Power	η_s	Length										
BIGGER	INFRA 15 ES 60	60 kW	82,3%	15 m										
	INFRA 12 ES 60 *	60 kW	82,9%	12 m										
	INFRA 9 ES 53 *	53 kW	82,1%	9 m										
	INFRA 6 ES 35 *	35 kW	82,1%	6 m										
R RECYCLING	INFRA 12 ES-R 45	45 kW	83%	12 m										
	INFRA 9 ES-R 45	45 kW	79,2%	9 m										
STANDARD	INFRA 12 ES 45	45 kW	79,7%	12 m										
	INFRA 9 ES 45	45 kW	76,8%	9 m										
	INFRA 6 ES 28	28 kW	78,7%	6 m										
Version	Model	Power	Length											
STANDARD MONOTUBE	INFRA 18 BM 45 *	45 kW	18 m											
	INFRA 15 BM 35 *	35 kW	15 m											
	INFRA 12 BM 28 *	28 kW	12 m											
	INFRA 9 BM 18 *	18 kW	9 m											

* BL Versions with reflecting canopy in aluminised steel. - η_s = Seasonal energy efficiency of ambient heating ($\geq 74\%$)

ADVANTAGES



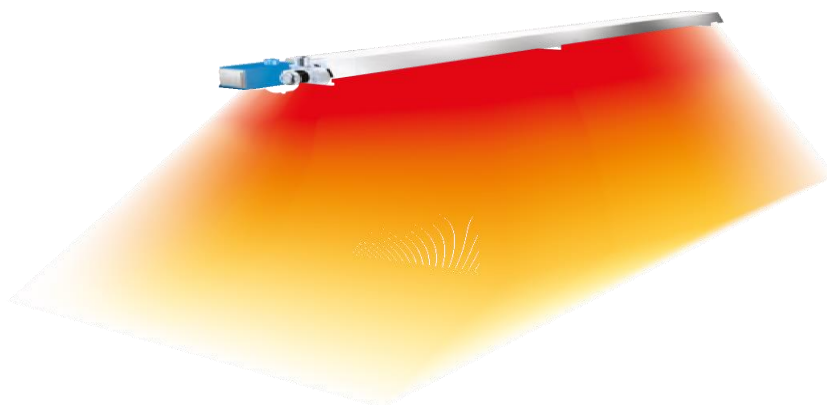
HIGH COMBUSTION YIELD

INFRA ES offers high combustion efficiencies, and in the **INFRA ES-R** versions (with flue gas recirculation), it further optimises **efficiency up to 93.8%**, reducing atmospheric emissions (Low NOx), and increasing radiant emissivity (RADIANT FACTOR).

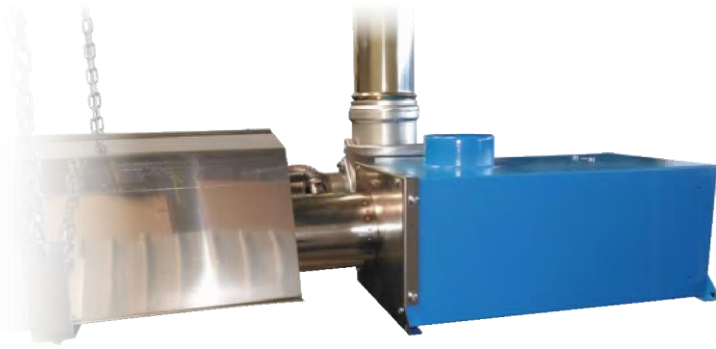


HIGHEST SAFETY IN THE FUNCTIONING

Certified according to 90/396 CEE rule. LOW TENSION 73/23CEE rule and ELECTROMAGNETIC COMPATIBILITY ECM 89/336/CEE rule. Device complies the **European standard UNI EN 416-1** and



INFRA ES-R WITH FUME RECYCLING

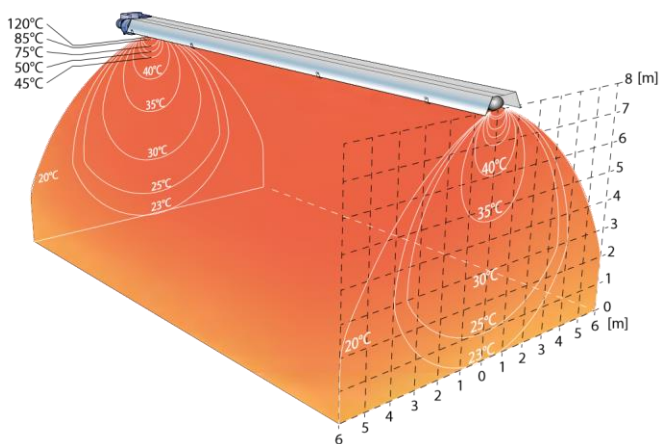


L'**INFRA ES-R** with fume recycling is designed to ulteriorly reduce the emission in the atmosphere of, and for maximize the **RADIANT FACTOR** with a bigger **combustion yield up to 93,4%**

The configuration of the recycling fume collector is fundamental to obtain the ideal balance of flown and fume temperature and the temperature of the heating exchanger.

- ❖ **Infra 9 ES-R 45**, 9 m long with a power of 45 kW and a **93,3% yield**
- ❖ **Infra 12 ES-R 45**, 12 m long with a power of 45 kW and a **93,4% yield**

HOW IT WORKS



- Device complies to LOW TENSION 73/23CEE directive.
- Device complies to ELECTROMAGNETIC COMPATIBILITY directive.
- Device complies to UNI EN 416-1 standard.
- **Device certified according to the European rule on radiant efficiency UNI EN 416-2.**
- Device certified CE according to European directive 90/396 CEE.
- Hygienic and sanitary considerations on the "INFRA Radiant Tube Modules", produced by Systema S.p.A., by Prof. Giuseppe RAUSA of the Institute of Hygiene and Preventive Medicine UNIVERSITY OF FERRARA



European standard on radiant efficiency UNI EN 416-2.

Thanks to its features **INFRA ES** does not imply any floor space, allowing people to operate without any obstacle. Install it with no need of any central heating and it is easy to be moved to heat other areas in case of modification or enlargements of the building.



CENTRALISED CONTROL

Control Panel SYS 150

Digital chronothermostat with automatic operation based on program and timer settings entered, controls up to 16 units and up to 4 zones.

Available in 2 versions:

Control Panel SYS 150 BASE type iNET (Code 00CECR2693)



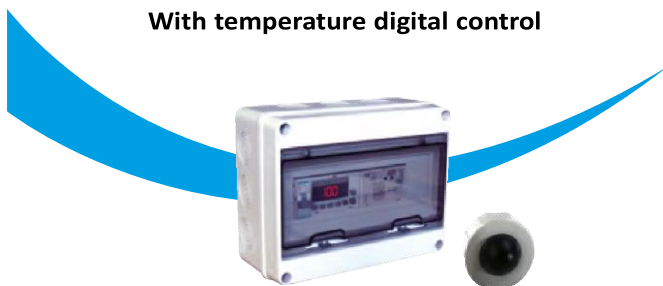
Control Panel SYS 150 ModBUS is a chronothermostat type iNET (Code 00CECR2694) with communication port for Modbus and connection to i²NET network for connection to SYS850/ SYS830 type switchboards as slaves.

Environment probes are separate, also provide network interface board for INFRA Code 00CECR2687.

For the management of large building sites with multiple thermal zones are also available the control boards SYS850/SYS830 (Contact Systema for)

CE Standard control board

With temperature digital control



Available in 3 versions:

Code	Devices	Thermal area
00CEQU1196/A	1	1
00CEQU1198/A	2	1
00CEQU1200/A	4	1

CE control board with chrono thermostat

With daily/weekly programming and timer



Available in 3 versions:

Code	Devices	Thermal area
00CEQU1197/A	1	1
00CEQU1197/A	2	1
00CEQU1201/A	4	1