

GAS-FIRED RADIANT STRIPS FOR RADIATION HEATING

Tub·One
Gas Power

**THE MOST MODERN AND EFFICIENT
SYSTEM TO HEAT LARGE PREMISES IN
INDUSTRY, COMMERCE, ZOOTECHNY
AND AGRICULTURE**



HEALTH



GREEN



MADE IN ITALY



PATENTED



CERTIFICATED



HOW IT WORKS

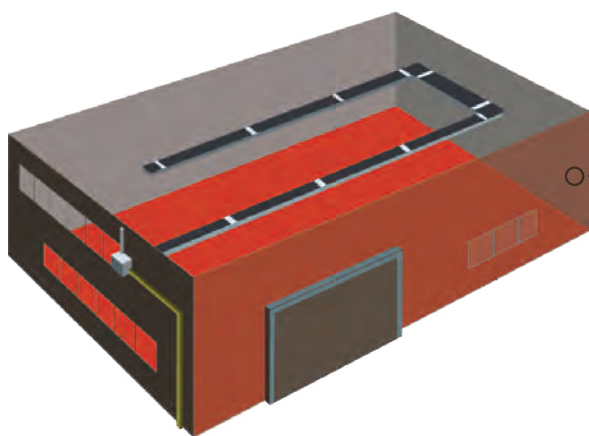
TUB•ONE® gas-fired radiant strips transmit heat by radiation, directly heating people and objects, resulting in an immediate thermal comfort without moving air. Heating takes place by means of an electromagnetic infrared waves propagation that transports thermal energy in a straight line, thus generating heating transmission.

TUB•ONE® is an autonomous and independent system, it is more efficient and cheaper than a traditional warm air heating system.

TUB•ONE® is installed directly in the use area; it does not require the construction of a thermal power plant, the installation of a boiler and the relative hydraulic circuit.

TUB•ONE® is composed by an external combustion group and various radiant sections that, connected by means of a patented joining system, generate the circuit that distributes the radiant heat in the environment.

TUB•ONE®, completely designed and manufactured by IMPRESIND, offers a wide range of models (from 35 to 300 KW) that allow the development of radiant routes in different length and with different geometries.



TUB•ONE® gas-fired radiant strips are installed on ceiling, in the vicinity of the area to be heated, and connected to the gas and electric network. In order to reduce consumption, **TUB•ONE®** partially recovers the combustion by-products (hot fumes) by reintroducing them into the radiant circuit. Each **TUB•ONE®** is independent and can be controlled by a single control panel or by a central BUS management system.



ADVANTAGES



Gas feed line and burner unit outside the building



Partial or zoned heating



Reduction of fuel consumption



Burner maintenance outside the building



Quick and comfortable heating



Control by BMS or ModBUS systems

TUB-ONE® EXCLUSIVE PLUS



- Stainless steel external structure
- Stainless steel chimneys and brackets
- Internal structures in galvanized painted steel
- “HTSG System”, patented, for pipes connection without use of silicone, screws or rivets
- “HTSG System”, patented, that absorbs thermal dilations without use of expansion joints
- Surface finishing on the pipes
- Reflectors in anodized aluminum, polished and hammered
- Thermal insulation with high density glasswool
- Temperature control single, or groups or PC network
- Fast installation
- Modular and adjustable as the production layout changes
- No thermal power plant needed

TECHNICAL FEATURES

- Radiant circuit in depression with respect to the environment
- Multi-stage and multi-gas air-vein burner
- Pressurized and modulating burner
- Electronic control ignition system
- Double-block gas valve
- Air combustion control by means of an air pressure differential switch
- Stainless steel combustion chamber
- Heat-carrier fluid recirculation system
- Forced exhaust of combustion by-products
- Easy access for maintenance even during operation



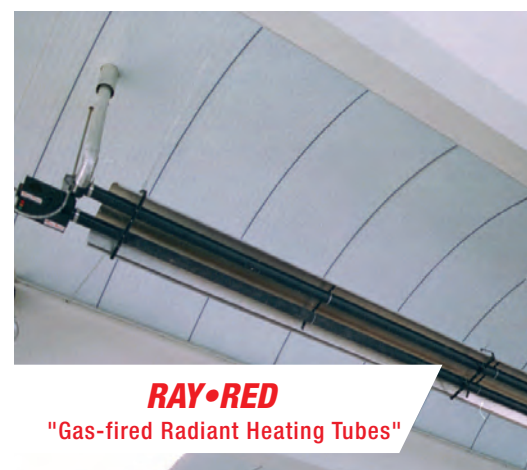
Model		RCF 35	RCF 50	RCF 80	RCF 100	RCF 200		RCF 300s ⁽¹⁾
Thermal capacity	KW	35/39	50/55	80/89	100/111	150/167	200/220	265/295
Circuit length	m	20-30	30	50-70	50-70	70-90	80/120	80/130
Consumption: Natural gas	m3/h st	3,65	5,25	8,50	10,40	15,60	20,80	28,20
Consumption: LPG	kg/h st	2,75	3,85	6,00	7,60	11,00	15,00	---
Power supply	V/Hz	400/50	400/50	400/50	400/50	400/50	400/50	400/50

(1) Forced-air and two-stage burner

All models are available as two-stages burner; please contact IMPRESIND

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OTHER SOLUTIONS BY IMPRESIND



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