



RADIANT AND IMMERSION TUBE FIRING BURNERS

JRT-50

JRT-100

JRT-150



GENERAL INFORMATIONS

The “JRT” series of gas burner has been designed and realised for installation on indirect exchange distribution pipes into kilns and dryers.

The completely automatic working allows on-off regulations, high/low flame, air/gas modulating. The last allows to obtain max.-min. regulation ratio until 8:1.

The maximum thermal potentiality is 175kW (150,000kcal/h) while the minimum potentiality can come up to 7 kW (6,000kcal/h).

Combustion air temperature required for this burner can change from room temperature until 350°C. A particular care has been dedicated to CO and NOx emissions produced by combustion process, these elements are lower than limits required by regulations.

Burner structure is painting casting, the parts in contact with flame of refractory steel and Nickel Chrome alloys.

The burner has ignition and flame revelation electrodes, pressure switch to measure air and gas instantaneous flows, flame indicating light.

For a correct installation it's necessary inform our Technical Department about the temperature and the power of the burner utilization.

These information are important to dimension section across the combustion head to obtain an optimal yield burner.

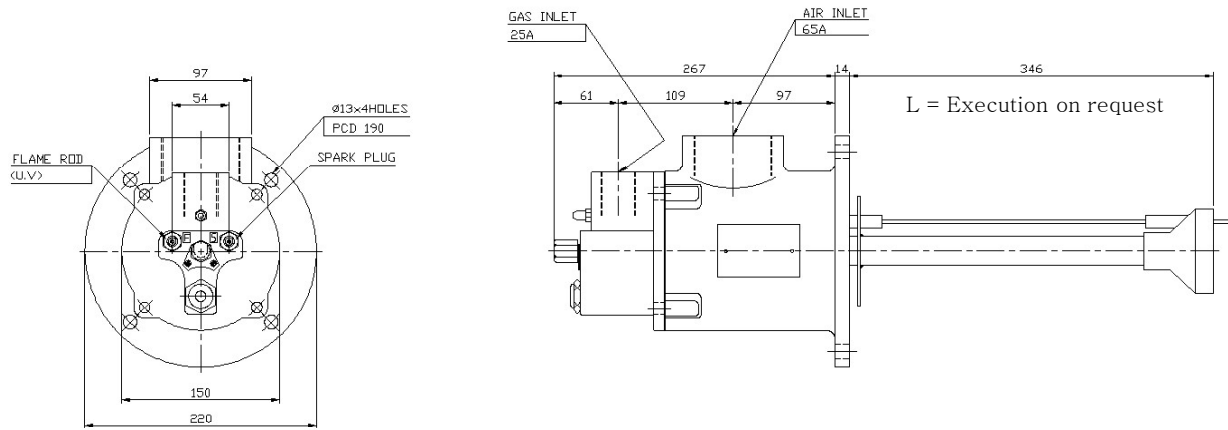
FEATURES

- Direct spark ignition, ionization flame detection electrode or UV cell.
- For Natural Gas or LPG, other gaseous fuel on request.
- Turn down ratio 8 to 1.
- Easy to install, to start, to operate.

APPLICATIONS

- All types of application in which a large exchange surface between combustion gas and process air is required, in all processes in which it needs that combustion products come into contact with material to be treated.
- Ceramic, Bricks, Refractory:
 - Intermittent and Roller kilns.
 - Continuous and Intermittent Dryers.
- Iron metallurgic : Kilns for thermal treatments.
- Surfaces treatment : Painting and Enamelling Kilns.
- Glass : Hardening ovens.

- Printing and Packing : Air Heaters for Rotogravures, Flexographic and Coupling and adhesive coating Machines.
- Food : Cereal Dryers, Roasters.
- Drying Tobacco.
- And furthermore, for any application which requires a wide regulation automatic gas burner.



TECHNICAL DATA

CAPACITIES & SPECIFICATIONS							
MODEL	BURNER NOMINAL CAPA'		AIR PRESSURE @ 15°C (mb)*	AIR VOLUME @ 15°C Nm ³ /hr	GAS PRESSURE (mb)*	BURNER MAXIMUM CAPA'	
	×10 ³ Kcal/hr	Kw				×10 ³ Kcal/hr	Kw
JRT-50	50	58	70	60	50	60	70
JRT-100	100	116	70	145	50	120	139
JRT-150	150	175	70	190	50	160	186

The above mentioned performance data are described at their maximum power. Pressure showed are guidelines only. Gas pressures are refer to Methane gas.

* Stoichiometric conditions

Performance data and dimensions are guidelines only.

·The descriptions and specifications are subeject to change without notice.