

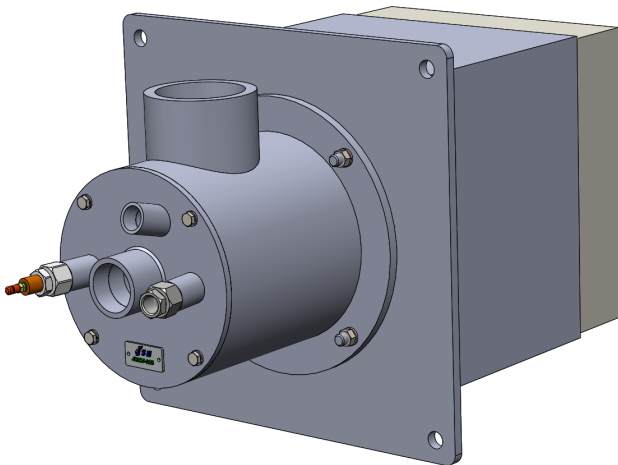
# HIGH VELOCITY GAS TILE BURNERS

**JHGT-050**    **JHGT-070**  
**JHGT-100**    **JHGT-120**  
**JHGT-125**    **JHGT-130**  
**JHGT-140**    **JHGT-150**  
**JHGT-200**

## | GENERAL INFORMATIONS |

The "JHGT" gas burner series is a blown-air burner which can operate with natural gas, LPG, lean gas and gas with low calorific power (on request). It was designed for the installation in all the process in which it is necessary to obtain a deeply oxidizing combustion to limit working temperature. The completely automatic working allows on-off regulations, high/low flame, air/gas modulating. The maximum thermal potentiality is 2,675kW (2,300,000kcal/h) while the minimum potentiality can come up to 5.8kW (5,000kcal/h).

Combustion air temperature required for this burner can change from room temperature until 300°C. A particular care has been dedicated to CO and NOx emissions produced by combustion process. Burner structure is painting casting, the body is of iron, the bottom of aluminum, the parts in contact with flame of refractory steel and Nickel Chrome alloys.

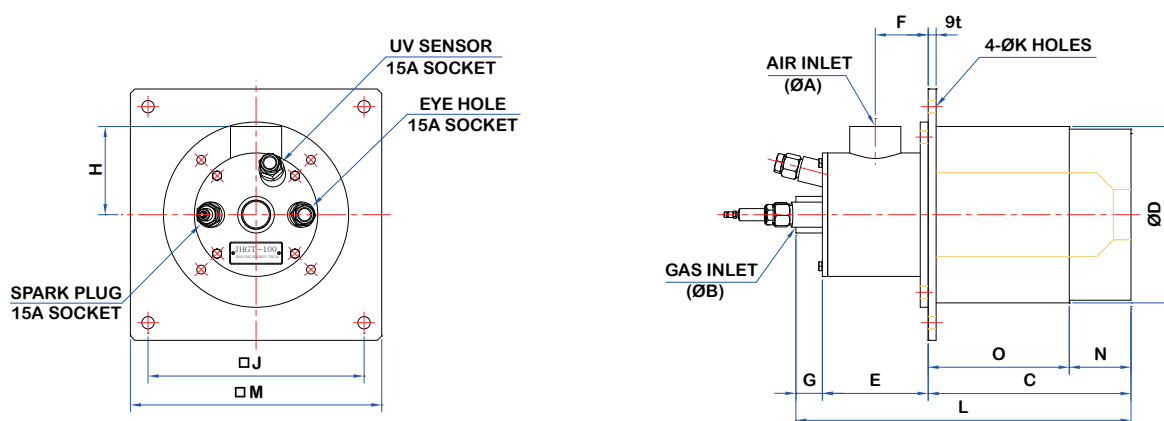


## FEATURES

- Direct spark ignition, ionization flame detection electrode or U.V cell.
- For natural gas or LPG, other gaseous fuel on request.
- Max.-min. ratio 15:1.
- Available as complete version with gas ramp, according to EN 676 on right or left hand.
- Easy to install, to start, to operate.

## APPLICATIONS

- All Types of kilns, suitable for oxidative, stoichiometric or reducing combustion.
- Ceramic, Bricks, Refractory:  
Roller kilns, Tunnel kilns, Intermittent kilns, Melting kilns.  
Continuous and Intermittent Dryers.
- Iron metallurgic Industry.
- Surfaces Treatment.
- Glass : Hardening ovens.
- Printing and Packing : Air Heaters for Rotogravures, Flexographic and Coupling and adhesive coating Machines.
- Food : Cereal Dryers, Roasters.
- Drying Tobacco.



## | DIMENSIONS |

MODEL	A	B	C	D	E	F	G	H	J	K	M	O	N	L
JHGT-050	25A	20A	190	170	100	50	30	80	220	4-φ12	250	290	70	320
JHGT-070	32A	25A	230	200	120	60	30	100	245	4-φ14	285	350	70	380
JHGT-100	40A	25A	230	200	120	60	30	100	245	4-φ14	285	350	70	380
JHGT-120	50A	32A	240	240	140	80	35	120	290	4-φ16	330	425	70	420
JHGT-125	65A	40A	320	280	170	90	35	140	330	4-φ18	370	245	75	525
JHGT-130	80A	40A	320	280	180	100	40	150	330	4-φ18	380	620	75	540
JHGT-140	100A	50A	350	320	250	140	40	210	370	4-φ18	420	690	80	640
JHGT-150	150A	65A	350	350	320	160	40	240	400	4-φ18	450	270	80	710
JHGT-200	200A	80A	390	380	380	210	40	260	430	4-φ18	480	310	80	810

## | TECHNICAL DATA |

MODEL	NOMINAL CAPACITY		AIR PRESSURE @15°C (mb)*	AIR VOLUME @15°C (Nm <sup>3</sup> /hr)	GAS PRESSURE (mb)*	MAXIMUM CAPACITY	
	(×10 <sup>3</sup> kcal/hr)	(kW)				(×10 <sup>3</sup> kcal/hr)	(kW)
JHGT-050	30	34	65	65	30	50	58
JHGT-070	40	46	65	92	30	70	81
JHGT-100	80	93	65	156	30	120	139
JHGT-120	150	174	65	262	30	200	232
JHGT-125	200	232	65	327	30	250	290
JHGT-130	300	348	65	460	30	350	406
JHGT-140	500	581	65	786	35	600	697
JHGT-150	1,000	1,162	65	1,755	35	1,300	1,511
JHGT-200	2,000	2,300	65	3,015	35	2,300	2,675

The above mentioned performance data are described at their maximum power.

Pressure showed are guidelines only.

Gas pressures are refer to Natural gas.

\* Stoichiometric conditions.

Performance data and dimensions are guidelines only.

The descriptions and specifications are subject to change without notice.