

Regulating Hot Air Burner - RHA



Low NO_x
High Luminosity
Low Maintenance
High energy efficiency
Adjustable Flame Length / Width

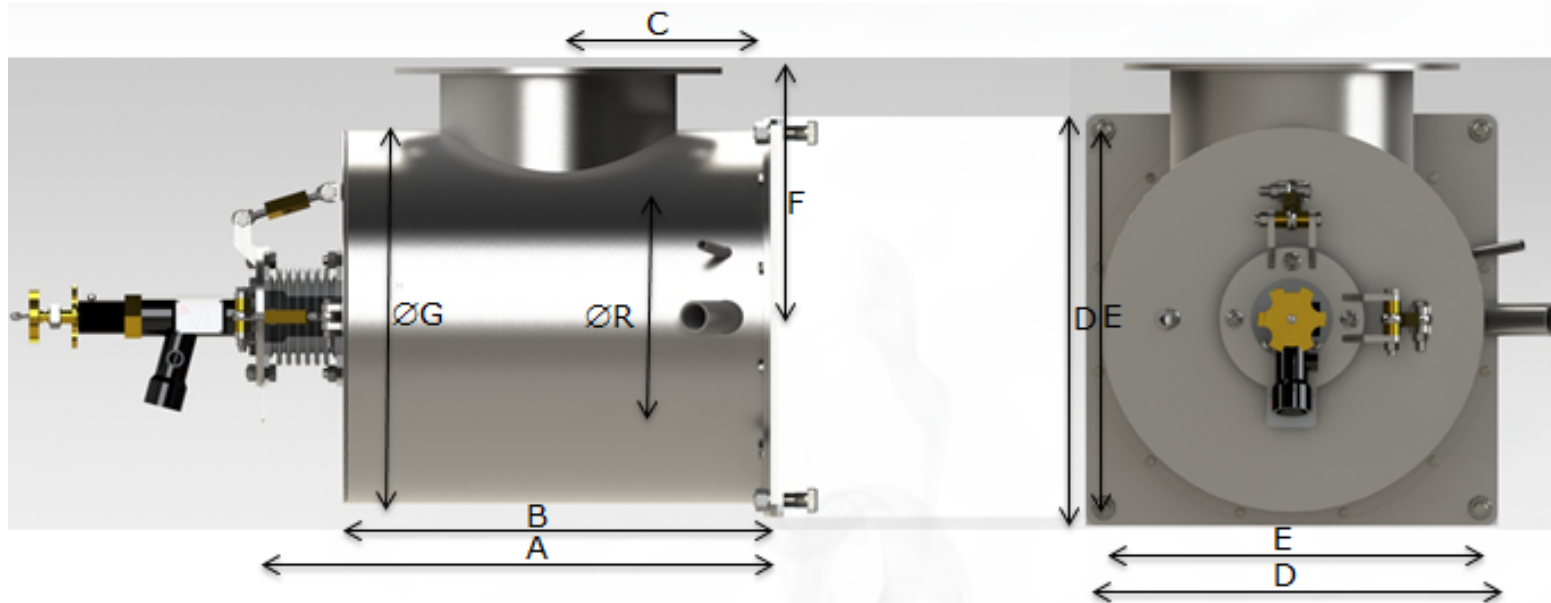
The regulating Hot Air Burners are designed to work with Gas or Oil Injectors (type RGB and ROB) enabling a fast interchanging in case of emergency or production change.

The Hot Air Burner was originally designed for recuperative glass melting furnace but works today in similar furnaces or in Pre-heaters, Air heaters, Metal Heating furnaces etc. The Burner casing allows a pre-heated air temperature up to 850°C, higher temperatures require optional refractory lining. The fuel injector is inserted concentric into the casing. Each casing is equipped with a laminar flow conditioner, providing a laminar low velocity flame, which results in low NO_x formation and even temperature distribution.

The use of Gas Burners (RGB) or Oil Burners (ROB) allows an accurate adjustment of the flame length and width. Optional features are an injector angle adjustment device allowing staged combustion, ignition burner, sight glass and Ultra Violet Flame detector. Each Hot Air Burner and Block is designed to fit your needs.

Hotwork and UAS specialised in supply of auxiliary equipment, including full gas control stations, furnace control system (DCS), full automation, exhaust gas analysis and Oxygen probes as well as tuning, supervision and commissioning services worldwide.





Typ	A	B	C	D	E	F	G	ØR	Weight
1	545	465	285	280	250	200	194	125	~19 kg
2	545	465	285	280	250	200	224	160	~21 kg
3	545	465	285	320	280	220	264	200	~28 kg
4	830	550	315	380	340	250	324	230	~36 kg
5	830	550	315	430	390	275	374	260	~41 kg
6	830	550	250	510	470	315	454	280	~50 kg

Capacities: 300-5000kW

Fuel: All types of Gas and Fuel Oil

Turndown: 15:1 and more

Air pressure: approx.. 10mbar

Maximum Excess Air: 500%

Max Air temperature: 850°C, optional refractory lining for 1150°C

Applications:

- Small melting furnaces
- Recuperative Furnaces
- Glass Furnace working ends and distributors
- Metal heating furnaces
- Any other heating furnace

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