

Regulating Gas Burners - RGB



Low NO_x
High glass bath coverage
High Luminosity
Low Maintenance
Adjustable Flame Length / Width

Regulating Gas Burners, were developed by former Hotwork Köster, presently Hotwork International in the 1990s. Hundreds of these almost maintenance free Burners are operating in the glass industry worldwide, providing highly luminous and fully adjustable flames with high degree flame coverage maximising the heat transfer to the glass enabling a superior melting performance. The RGB provides excellent NO_x levels and excellent full flame control.

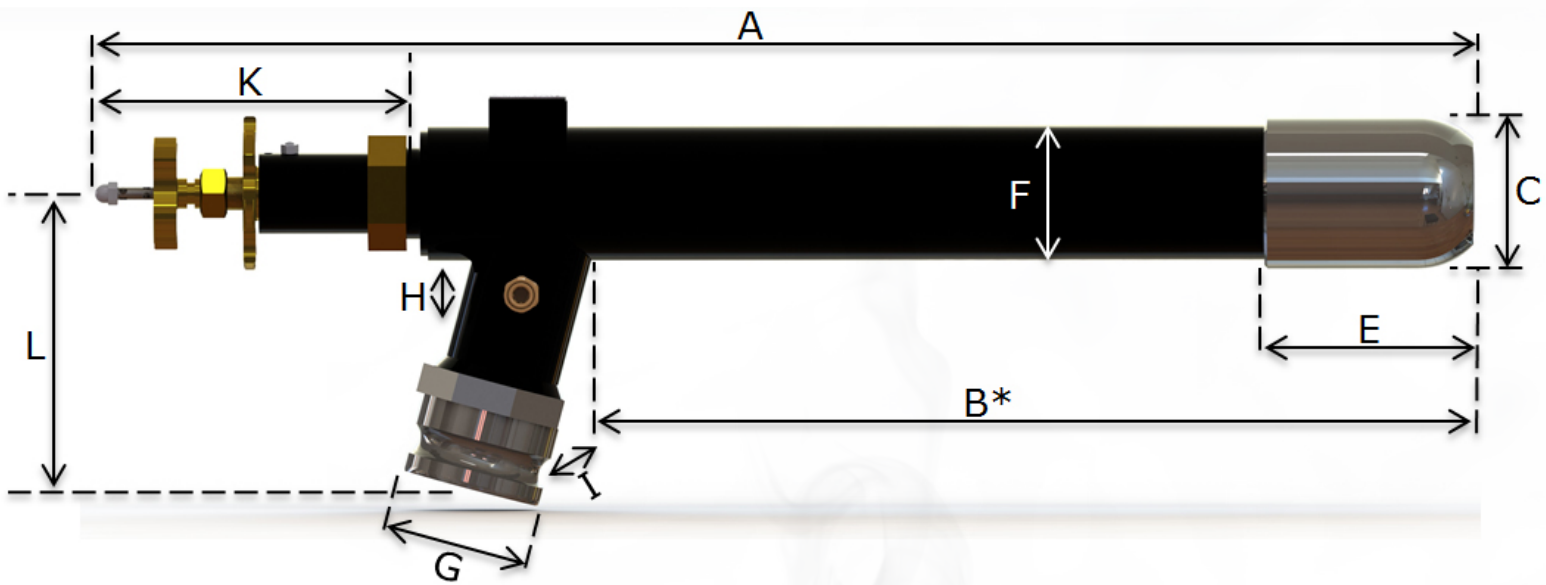
This Burner has one gas connection for two nozzles. The gas ratio between the inner and the outer nozzle is adjusted by a control valve inside the burner. Control hand wheels at the back of the burner allowing a precise adjustment of the inner nozzle position

to the outer nozzle as well as a precise ratio control between the two gas velocities, ensuring a superior and fully flexible flame adjustment to production conditions and furnace geometries.

The system incorporates a burner sealing plate, which eliminates the inclusion of tertiary air as well as fully adjustable burner bracket holder and gas non return valves. During reversal the burner is cooled by air against the heat of the furnace atmosphere.

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.





Type	Capacity in kW	Dimensions in mm						in "		in °	in mm	
		A	B*	C	D	E	F	G	H	I	K	L
RGB 50	500	810	550	40	45	101	35	1"	½"	15	206	91
RGB 200	2.000	815	550	60	58	101	48	1½"	½"	15	206	127
RGB 500	5.000	835	565	70	70	121	60	2"	½"	15	206	130
RGB 700	7.000	880	580	100	98	141	88	3"	½"	15	206	140
RGB1300	10.000	880	580	126	119	145	112	4"	½"	15	206	150

Gas Range: up to 950 Nm³/h

Gas Pressure: 200-500mBarg

Nozzle Sizes: up to 85mm

Flame Length: up to 16m, depending on nozzle size and adjustment

Burner Sealing: high temperature resistant plate, air or water cooled

Burner inside cooling Air, while not firing:

Pressure: approx. 200mbar

Flow: 15 Nm³/h

Swiss Quality and German Reliability complete engineering and supply



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