

# Regulating Oxygen Burner - ROX



Low NO<sub>x</sub>  
High Luminosity  
Low Maintenance  
High energy efficiency  
Adjustable Flame Length / Width

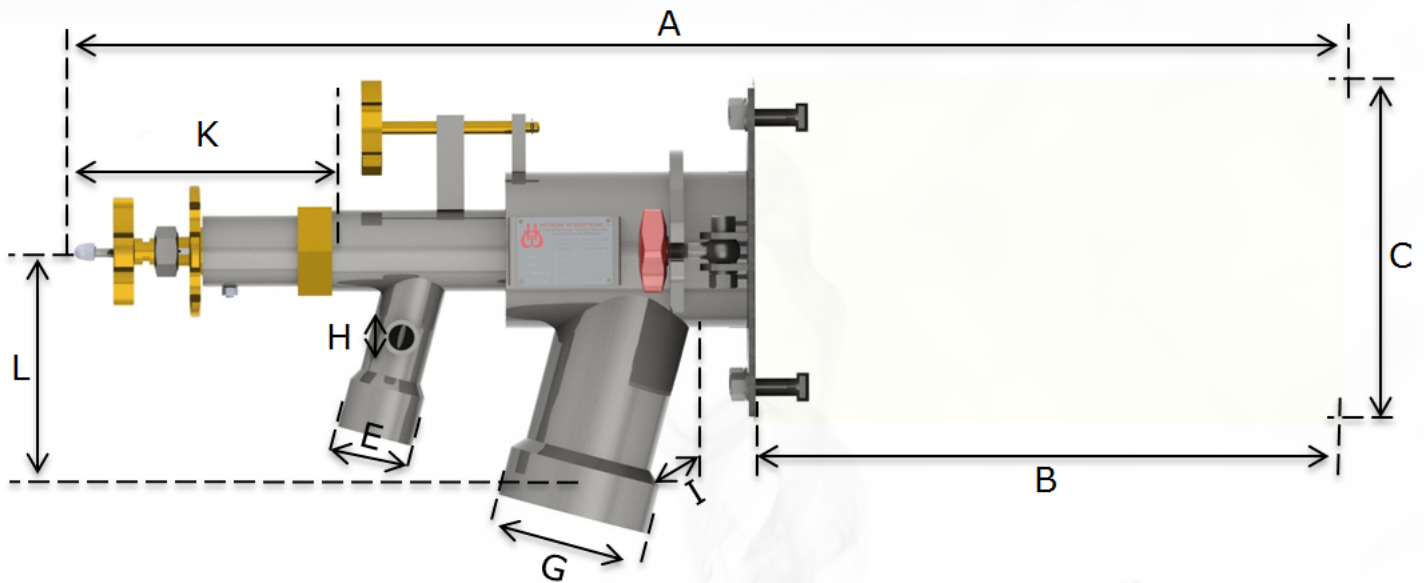
The Regulating Oxygen Burner – ROX – was developed on basis of the Regulating Gas Burner for regenerative furnaces. The ROX enables the furnace operator to regulate the flame length and width of the flame for a superior melting performance. High degree flame coverage maximises the heat transfer to the glass at lowest NO<sub>x</sub> levels.

This Burner have fully adjustable gas and oxygen 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 ratio control between the two gas velocities and the balance between gas and oxygen, ensuring a superior and fully flexible adjustment to production conditions and furnace geometries.

Hotwork and UAS are 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 mm	
		A	B	C	E	G	H	I	K	L	
<b>ROx 50</b>	- 500	890	430	250	1"	2½"	½"	15	206	105	
<b>ROx 200</b>	- 2.000	910	430	250	1½"	3	½"	15	206	150	
<b>ROx 500</b>	- 5.000	920	430	250	2"	4"	½"	15	206	170	
<b>ROx 700</b>	- 7.000	965	430	250	3"	6"	½"	15	206	180	
<b>ROx1300</b>	- 10.000	990	430	250	4"	6"	½"	15	206	190	

Gas Range: up to 950 Nm<sup>3</sup>/h

Gas Pressure: 200-500mBarg

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

*Swiss Quality and German Reliability .... complete engineering and supply*



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