

Regulating Oil Burner - **ROB**



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

The Regulating Oil Burner is ruggedly built to withstand the hot and dirty conditions at melting furnaces. The ROB provides highly luminous and fully adjustable flame with high degree flame coverage maximising the heat transfer to the glass enabling a superior melting performance. The ROB is suitable for all grade of fuel oil and atomising can be done with air, steam or gas.

The Regulating Oil Burner offer the possibility to adjust the flame shape, flame length and width by adjusting the atomizing air flow and / or by adjusting the position of the two nozzles to each other by turning the hand wheel. Typical flame shapes are long and luminous.

Oil will be removed from the nozzle after firing by a purge valve / back sucking cylinder.

The system incorporates a burner sealing plate, which is designed to reduce the inclusion of air. The ROB is mounted with a fully adjustable burner bracket. The design of the burner and burner bracket make it possible to quickly change from Oil (ROB) to Gas (RGB) firing.

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.





Nozzle capacity: 50 – 950 l/h

Oil Pressure at max. flow: 3 bar

Atomizing Air pressure: 3 bar

Atomizing air consumption: 0,25 Nm³/l oil

Burner cooling air consumption: 10 Nm³/h

Swiss Quality and German Reliability complete engineering and supply



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