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Innovative Thermal Solutions

Application brief

Eclipse Product: RatioMatic Burners

Submitted by: Eclipse Combustion, UK

Application: Upgrade RM buners to meet added safety issues and improve performance
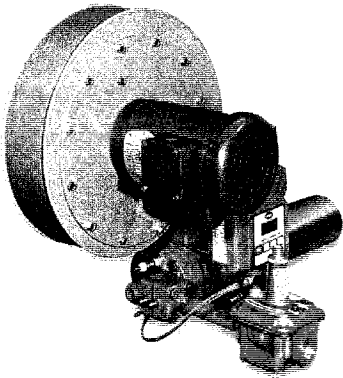
Description: A large end user group was looking to increase the level of safety checks on their ovens and oven equipment. This included formalizing the checks required. The burner checks were based on U.S. valve trains and as such could not be performed as written on the valve trains built to European standards.

The burners were at high level so the checks would have to be done from ladders or staging. The checks would have involved the maintenance personnel with added tasks, which would have put a strain on their resources.

These required checks gave us the opportunity to discuss the current RM150 v 1 burners supplied on a number of sites over the last 15 years with regard to up dating existing burners and converting to version 3 burners. The application was interesting due to the differences between the version 1 & version 3 burners with regards to the flame lengths, required gas pressures and the feasibility of undertaking the test without manual intervention and down time required to undertake the change.

The customer benefited by having the required checks now done automatically within the burner package, having current equipment and more reliable equipment.

Orders were received for 18 burners on one site.

Eclipse RatioMatic Burner