

AIR DUCT BURNERS

SUNTEC

EG M

constant/modulated combustion air flow

180÷1600 kW



OTHER DISTINCTIVE DETAILS

Riello RS VA burner is a packaged unit composed of:

- ventilating unit
- combustion head
- gas train
- accessories

-Burners suitable to modulating operation only with the installation of a PID regulator (optional accessory) or a an external signal 0–20 mA, 0–10 V converter (optional accessory).

-Standard burners with intermittent operation (one stop every 24 hours); on demand, continuous operation is available with the installation of Siemens LGK 16.333 A27 control box.

-Operation at 50 and 60 Hz.

-Pre-assembled combustion head group, including flange for fixing to the booth.

-Ignition through pilot burner.

-PACKAGE configuration: “L” shape (standard) and “T” shape (on demand) to suit different types of installation.

-Post-ventilation available.

-Pre-defined gas trains range to meet different pressure and gas levels.

-IP 44 protection level, according to EN 60529 Standard.

-Conforming to 2006/42/EC Machinery Safety Directive, 90/396/EEC – 2009/142/EC Gas Appliances Directive (GAD), 73/23/EEC – 2006/95/EC Low Voltage Directive (LVD), 89/336/EEC

- 2004/108/EC Electromagnetic Compatibility (EMC), Technical Standard EN 746-2

“Industrial Thermo processing Equipment“, 92/42/EEC Boiler Efficiency Directive (BED).

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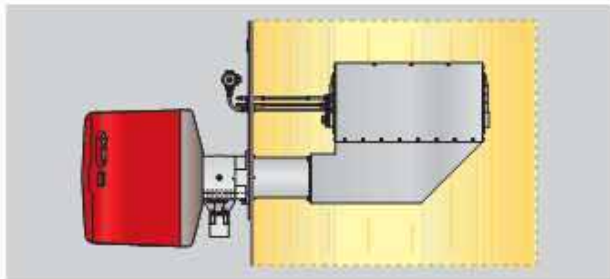
180 ÷ 1600 kW

Configurations

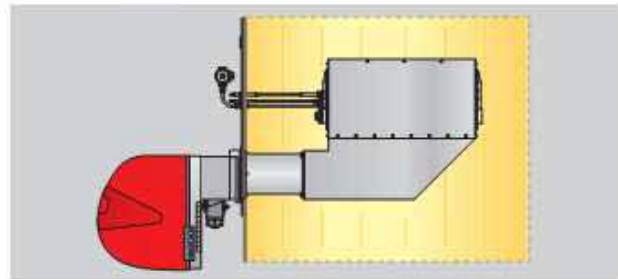


Standard

L1 - Angle configuration with combustion head developed in horizontal in primary air duct



L2 - Angle configuration with combustion head developed in vertical in primary air duct



On demand:

T1: In-line configuration with combustion head inside the primary air duct .

T2: In-line configuration with combustion head outside the primary air duct .

Technical data

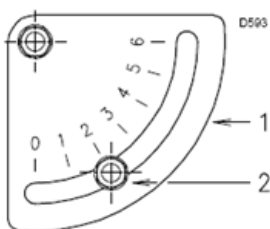
- for fresh air heating or low temperature recirculating air heating applications.

Burner can be used in:

- high recirculation processes (95%) with low oxygens levels
- paint ovens (robot spraying or drying rooms)
- dryers at low temperature (grain, straw, wood, ...)
- printing machines
- laundry machines

Regulation

Constant combustion air flow



Adjust the air fan gate valve by using the graduate sector 1) after having loosened the nut 2). Slowly increase or decrease the capacity while observing the flame. Especially observe that the flame is well divided over the entire burner length and going straight in the direction of process air flow. Control with analyzer the CO emitted