



RLAS 650-800-1000-1200

High Power Monobloc Burners up to 43 MMBtu/hr

Modulating Dual Fuel Low Emission Burners with assisted oil atomizing

Product Overview

RLAS 650-800-1000-1200 New Burner Models

RLAS/E-EV series burners are characterized by a modular monoblock structure that means all necessary components can be combined in a single unit thus making installation easier, faster and, above all, more flexible.

The series covers a firing range from 5415 to 43160 MBtu/hr, and they have been designed for use in hot water boilers, overheated water boilers as well as steam boilers. Operation is fully modulating the PID logic regulator is included in the LMV5 electronic cam.

The burner can, therefore, supply with precision the demanded power, guaranteeing an high efficiency system level and the stability setting, obtaining fuel consumption and operating costs reduction.

The new range applies a different technology to replace the usual mechanical atomizing by "assisted" air atomizing and taking the related advantages when burning liquid fuels.

The upgraded design has been introduced to reach the best achievable combustion performance and reliability.

The innovative combustion head, adjustment system ensures perfect movement during modulation as well as reducing noise and pollutants.

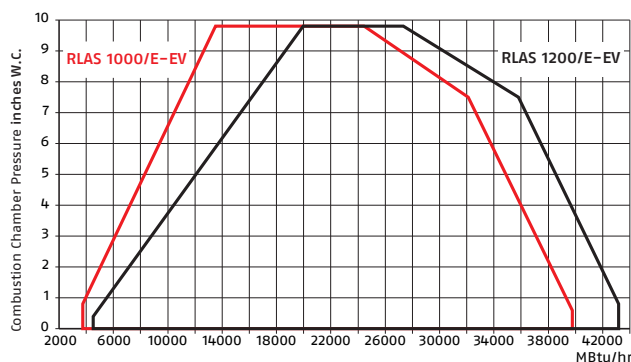
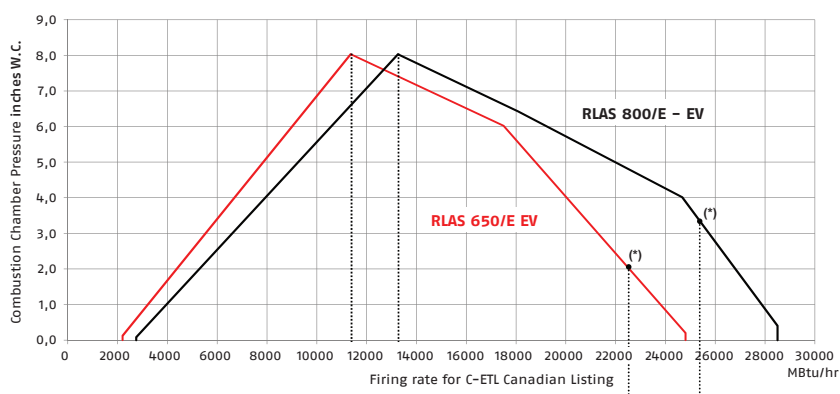
Advantages at a glance

- Easy installation and servicing in spite of the relevant output thanks the monobloc configuration
- Low NOx emissions at gas side
- Blower assembly and housing engineered for efficiency and low noise levels
- Modulating Operation for both fuels, Light Oil and Gas, by integrated PID logic regulator
- Continuous operation available as a standard (to be selected on menu).

... Other Distinctive Details

- New air assisted atomizing system to reach the best achievable combustion performance
- Advanced head design provides Low NOx emissions on natural gas
- Energy saving and long life of oil pump assured by a dedicated pump motor
- Excellent output control thanks to Parallel positioning fuel-air ratio control
- Variable speed drive technology available for maximum energy savings.

Firing rates



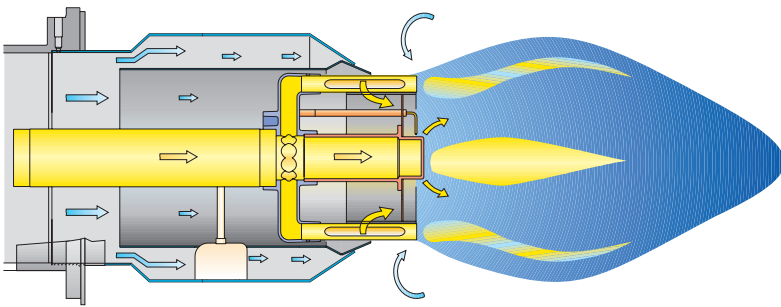
Burner Models

Low emission Modulating Dual Fuel models							
RLAS 650/E-/EV	15.7	-	177.2 (159.5*)	GPH	2.200	-	24.805 (22.325*) MBtu/hr
RLAS 800/E-/EV	19.6	-	203.6 (183.4*)	GPH	2.750	-	28.500 (25.675*) MBtu/hr
RLAS 1000/E-/EV	28	-	284	GPH	3.980	-	39.780 MBtu/hr
RLAS 1200/E-/EV	31	-	308	GPH	4.320	-	43.160 MBtu/hr

* Firing rate for C-ETL Canadian Listing

Safe and green

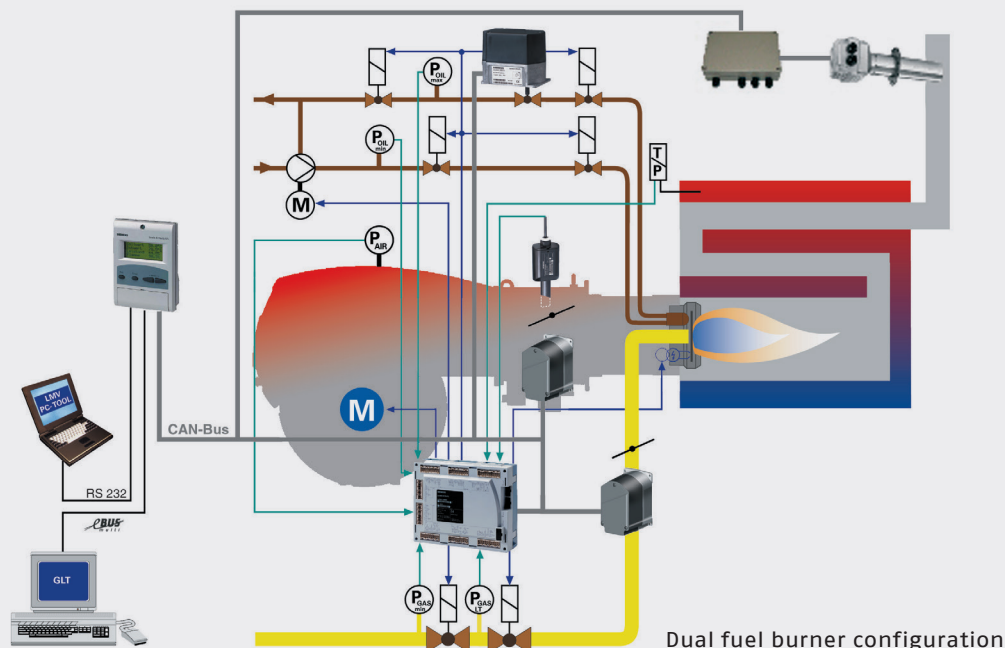
Riello Burners experience in combustion technology is very well demonstrated in the combustion head of New RLS burner models and assures smooth ignition, safe operation, and environmentally friendly emissions. Riello burners excels in producing burners which perform well with minimal excess air, this enhances system efficiency and reduces greenhouse gas emissions such as CO₂. With oxygen levels of only 3% (*) typical in the products of combustion and turndown ratios of up to 10-1 (*) on natural gas, system efficiencies are truly maximised. In addition to our standard product we also have available Low NO_x models which use an Advanced Combustion Technology in order to reach NO_x values of less than 30ppm (*) during the combustion of natural gas without the requirement of Flue Gas Recirculation; this enhances system efficiency in comparison with traditional FGR systems and reduces system/installation costs.



(*) NO_x emissions and Modulation ratios are verified in our Research Center; not all field applications allow similar performance. If guaranteed emissions and/or turndown are required please contact Riello Burners Commercial and Technical Department.

Electronic Cam System

The electronic cam is a microprocessor based burner management component system for burner control and supervision. The system components are interconnected via a bus system. Communication between the individual bus users takes place by a reliable system-based data bus. All safety-related digital outputs of the system are permanently monitored by e-contact feedback network.



Riello Burners a world of experience in every burner we sell.

11/2018

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[1] BURNERS PRODUCTION PLANT
S. PIETRO, LEGNAGO (VERONA) - ITALIA

[2] HEADQUARTER BURNERS DIVISION
S. PIETRO, LEGNAGO (VERONA) - ITALIA

Across the world, Riello sets the standard in reliable and high efficiency burner technology.

With burner capacity from 17 thousand to 163 million Btu/hr, Riello gas, oil, dual fuel and Low Nox burners deliver unbeatable performance across the full range of residential and commercial heating applications, as well as in industrial processes.

With headquarter in Legnago, Italy, Riello has been manufacturing premium quality burners for over 90 year. The manufacturing plant is equipped with the most innovative systems of assembling lines and modern manufacturing cells for a quick and flexible response to the market.

Besides, the Riello Combustion Research Centre, located in Angiari, Italy, represents one of the most modern facility in Europe and one of the most advanced in the world for the development of the combustion technology.

Today, the company's presence on worldwide markets is distinguished by a well-constructed and efficient sales network, alongside many important Training Centres located in various countries to meet its customers' needs. Riello has 13 operational branches abroad (in Europe, America and Asia), with customers in over 60 countries.

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