

RS 810/M -/E -/EV BLU – RS 810/E FGR

High-Power Monoblock Burners

Product Overview

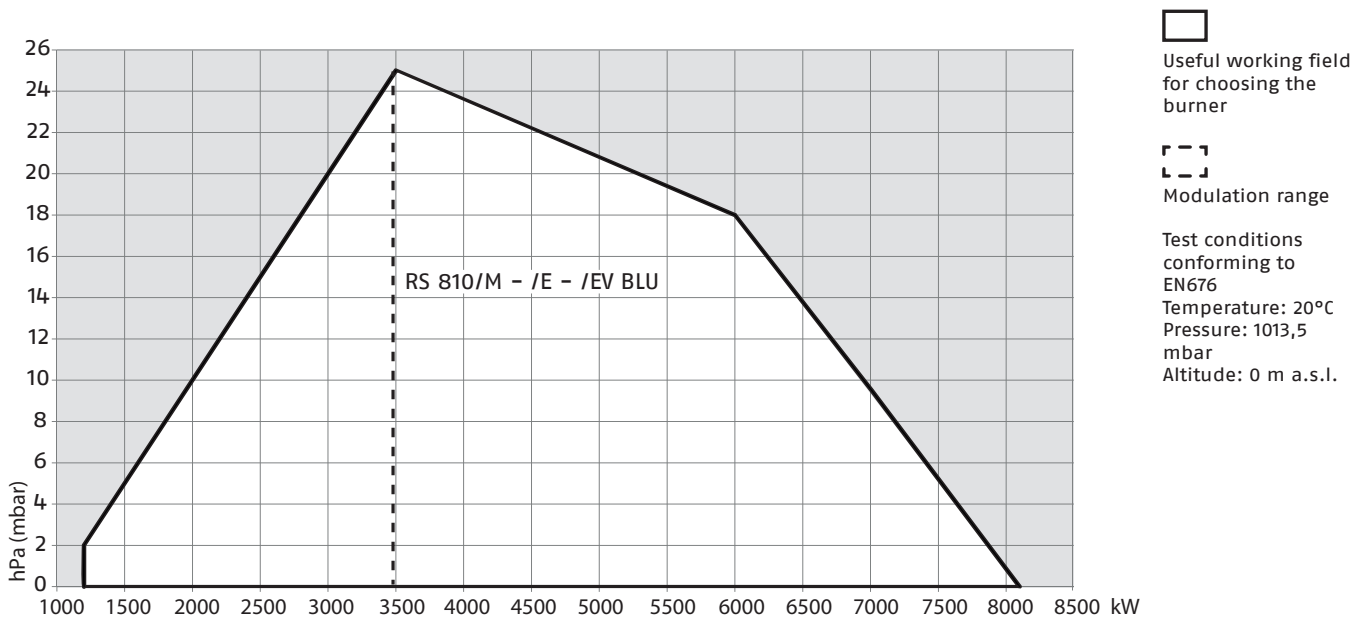
RS 810 New Burner Models

The RS 810 represent the ideal continuation of the new RS 310-610 series, based on the evolution of the popular RS 800 burners, maintaining the design of the new series.

The compact design of air inlet and electric board ensure great ease of maintenance and access to internal parts. The electric board can accommodate all control types for versions with mechanical or electronic cam, as well as for variable speed versions (with additional inverter).

Available both in BLUE-flame (EN 676 Class 3) and Ultra Low NOx gas versions, it can meet a wide range of needs in the application segment of hot water boilers or industrial steam generators.

Firing Rate



Burner Models

BURNER MODEL	CONTROL BOX	OUTPUT (kW)	OPERATION		
			/M	/E	/EV
RS 810/M BLU	RMG/M	1200/3500 - 8100	•		
RS 810/E BLU	LMV 27	1200/3500 - 8100		•	
RS 810/EV BLU	LMV 37	1200/3500 - 8100			•
RS 810/E FGR	BT 330	1200/3500 - 7000		•	

/M = Two stage progressive - Modulating with mechanical cam
 /E = Two stage Progressive - Modulating electronic cam
 /EV = Modulating electronic cam - variable speed drive (with inverter)

Safe and Green

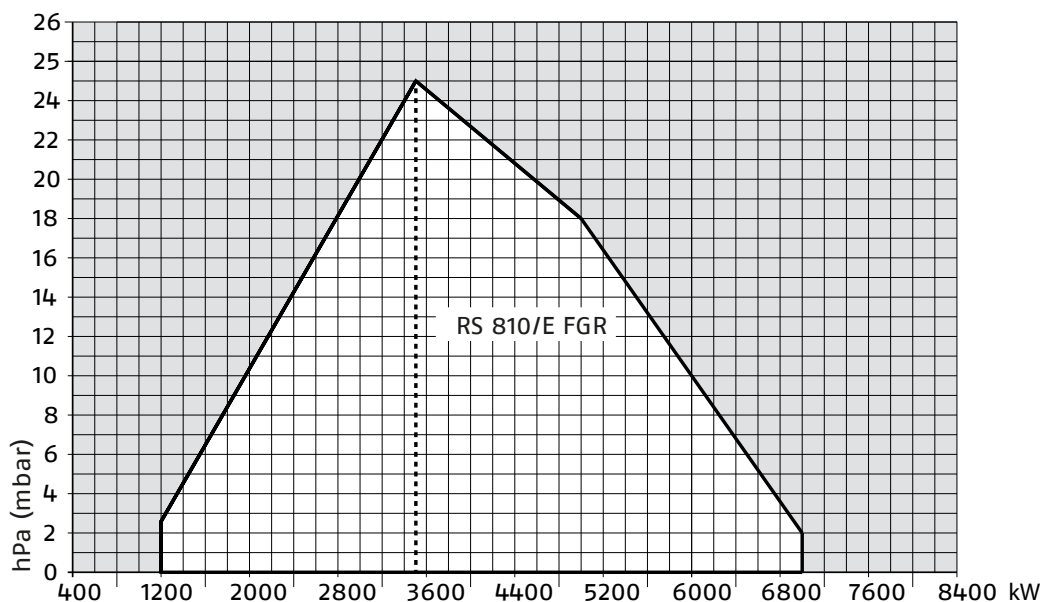
In order to comply the increasing demand of very low NOx emissions, Riello has developed the RS 810 burner model also on the basis of the FGR (Flue gas Recirculation) low emission technology, suitable to achieve extremely Low NOx emission performance, lower than 30 mg/Nm³ @ 3.5% O₂.

The RS 810/E FGR burner operation is based on the recirculation of a part of the exhaust gas, which is introduced in the air inlet side of the burner; an integrated Digital Burner Management System, through the action of independent servomotors, allows the control of air, fuel and exhaust gas proportion in every working point, in order to reach very low NOx emissions, while maintaining high reliability of operation.

All the components are integrated in a compact size, in order to facilitate and make extremely easy the installation and maintenance.



Firing Rate



□ Useful working field for choosing the burner

⋯ Modulation range

Test conditions conforming to EN676
 Temperature: 20°C
 Pressure: 1013,5 mbar
 Altitude: 0 m a.s.l.

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

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[1]

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

With burner capacity from 5 kW to 48 MW, 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.



[2]

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.

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

[2] HEADQUARTER BURNERS DIVISION
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