



Intelligent design, smart operation

GORDON-PIATT® brand burners are the premier choice for die-hard performance and exceptional reliability in commercial and industrial applications.

The **RMB Ultra** rapid mix burner provides reliable ultra-low emissions and a compact, stable flame. As a proven alternative to post-combustion solutions, the RMB Ultra can deliver single-digit emissions at an economical price. The **RMB Ultra** is ideal for firetube or watertube boilers, as well as a variety of other applications.

GORDON-PIATT burners – for the long run

As an exclusive **brand** of John Zink Company, LLC, GORDON-PIATT products are developed, tested and manufactured with precision engineering and sophisticated controls. Our engineers design burner products that work for retrofit as well as replacement applications, and offer customers superior reliability and safety.

Ask about our legendary service and support team, world-class manufacturing, and dedicated research and development – all of which keep GORDON-PIATT products built for the long run.



The Power To Burn.™

Gordon-Piatt®

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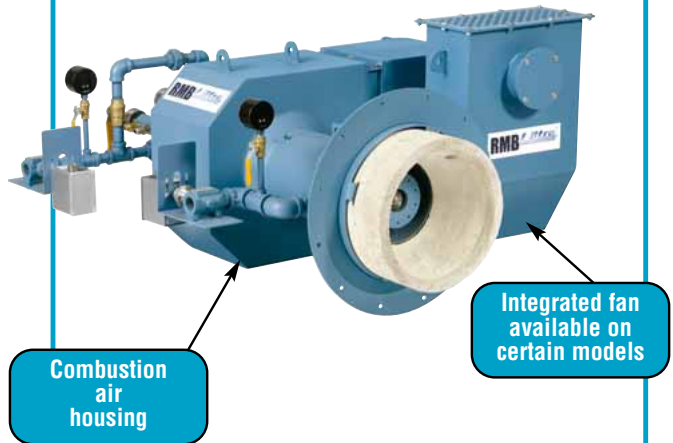
Model RMB Ultra™ PATENTED*

Ultra Low-Emissions Rapid Mix Burner for Gas or Gas/Oil Applications

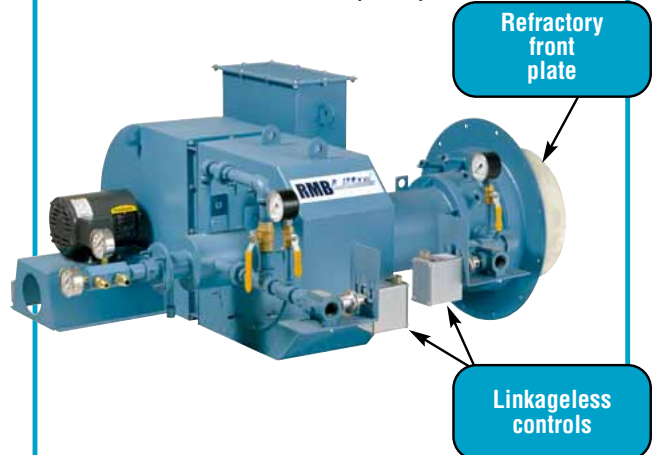
Features

- Linkageless control systems with proven low-fire start, pre-purge and post-purge air control are standard.
- Patented design reduces both prompt and thermal NOx for ultra-low emissions.
- Compact, stable flame is ideal for firetube and watertube boilers.

Model RMB Ultra (front)



Model RMB Ultra (back)



*Covered by the following U.S. Patent Numbers 5407347, 5470224.

Standard Equipment

General

- Burner and combustion air housing
- Remote-mounted blower motor and fan (shipped loose) or integral fan on certain models
- Gas-electric pilot
- Airflow safety switch
- Air-FGR mixing box (mounted on fan)
- Modulating FGR control damper (shipped loose)

Control Cabinet

- Nema 12 panel – standard
- Combustion flame safeguard control
- Indicator lights and control switch
- Linkageless control system
- Motor starter with overload protection
- Raised terminal strip for easy service and accessibility
- VFD option available

Gas Control

- Safety pilot burner
- Ignition transformer
- Pilot solenoid valve
- Pilot shutoff cock
- Safety test cock
- Pilot regulator
- Flame detector
- Automatic gas valves

All GORDON-PIATT burners are factory-wired and assembled.

FGR line from stack to burner is not included and must be supplied by others.

Ducting from combustion air fan to burner, if required, is not included and must be supplied by others.

Refractory front plates are supplied with every RMB Ultra.



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Model RMB Ultra™

Ultra Low-Emissions Rapid Mix Burner for Gas or Gas/Oil Applications

Capacities

Model RMB Ultra

- 30,000,000 – 105,000,000 Btu/hr
- 700 to 2,500 boiler horsepower

A wide range of sizes is available for maximum efficiency and performance.

Typical Installations

Applications

- Firetube boilers
- Watertube boilers
- Thermal fluid heaters
- Air heaters

Emissions

Guaranteed emissions firing gas ranging from:

- 9 ppm to 30 ppm NO_x
- 3 ppm VOC
- 50 ppm CO

Fuels Burned

Gases

Natural
LP

Combinations

Natural - No.2
Natural - Amber 363
LP - No.2
LP - Amber 363

NFPA 85 agency requirements standard.

For complete engineering data contact your GORDON-PIATT products distributor.