



Intelligent design, smart operation

Gordon-Piatt® burners are the premier choice for die-hard performance and exceptional reliability in commercial and industrial applications.

The **Model FRMB** rapid mix burner provides reliable ultra low emission in a compact ergonomic package. The integral fan housing simplifies installation, minimizes space requirements, and reduces start-up time. The **Model FRMB** burner 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, which means customers are assured the Gordon-Piatt burners they choose today will perform safely and reliably far into the future.

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® Brand

John Zink Company, LLC
11920 East Apache, Tulsa, OK 74116
Fax: 918-234-1833
e-mail: gpinfo@johnzink.com

Toll Free: 1-800-638-6940

Model FRMB™ PATENTED*

Ultra-Low-Emissions Rapid Mix Burner for Gas-Firing Boilers

Features

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

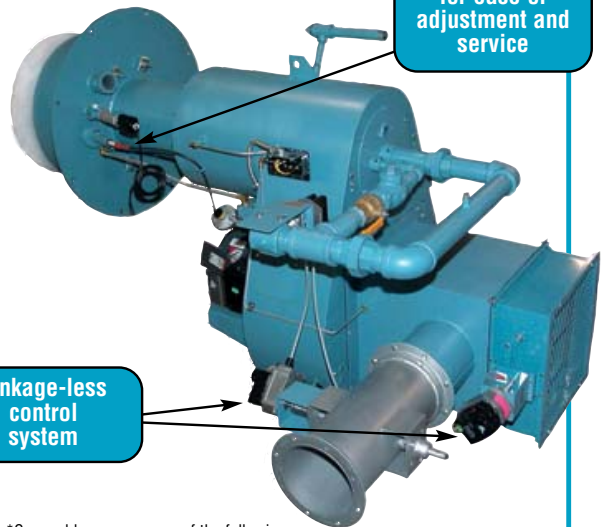
Model FRMB (front)



Refractory front plate

FGR control damper

Model FRMB (back)



External pilot for ease of adjustment and service

Linkage-less control system

*Covered by one or more of the following U.S. Patent Numbers 5407347, 5470224.

Standard Equipment

General

Blower motor and fan
Air inlet louver box
Airflow safety switch
Air-FGR mixing box
Modulating FGR control damper

Control Cabinet

Combustion flame safeguard control
Indicator lights and control switch
Linkage-less control system
Motor starter with overload protection
Raised terminal strip for easy service and accessibility

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.

Refractory front plates are supplied with every FRMB.



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Model FRMB™

Ultra-Low-Emissions Rapid Mix Burner for Gas-Firing Boilers

Capacities

Model FRMB

- 5,250,000 – 25,200,000 Btu/hr
- 125 to 600 boiler horsepower

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

Typical Installations

Applications

- Firetube boilers
- Watertube boilers

Emissions

Guaranteed emissions firing gas as low as:

- Less than 9 ppm NO_x
- Less than 50 ppm CO
- Less than 3 ppm VOC

Fuels Burned

Gases

- Natural
- LP

Oil firing for applications requiring back-up fuel is available on a limited basis.

IRI, FM, CSD-1, NFPA, and other agency requirements upon request.

For complete engineering data contact your Gordon-Piatt products distributor.