



**The  
Power  
To  
Burn.<sup>SM</sup>**

# Gordon-Piatt™

www.Gordon-Piatt.com

## 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 F** forced draft burner is a versatile unit designed to fire natural gas, oil or combination fuels with an air or steam atomizing oil system. Available in a wide range of capacity ratings, the Model F can be applied to most any application, including firetube, watertube and cast iron boilers, dryers, air heaters, incinerators, solid fuel igniters and more.

The **Model FL** is a scaled-down version of the Model F, ideal for uses where boiler base height or other space constraints require a smaller, low-profile burner unit.

## Gordon-Piatt™ – for the long run

As an exclusive brand of John Zink Company, 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 Gordon-Piatt™ customers are assured the 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.

### John Zink Company, LLC

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# Model F and FL

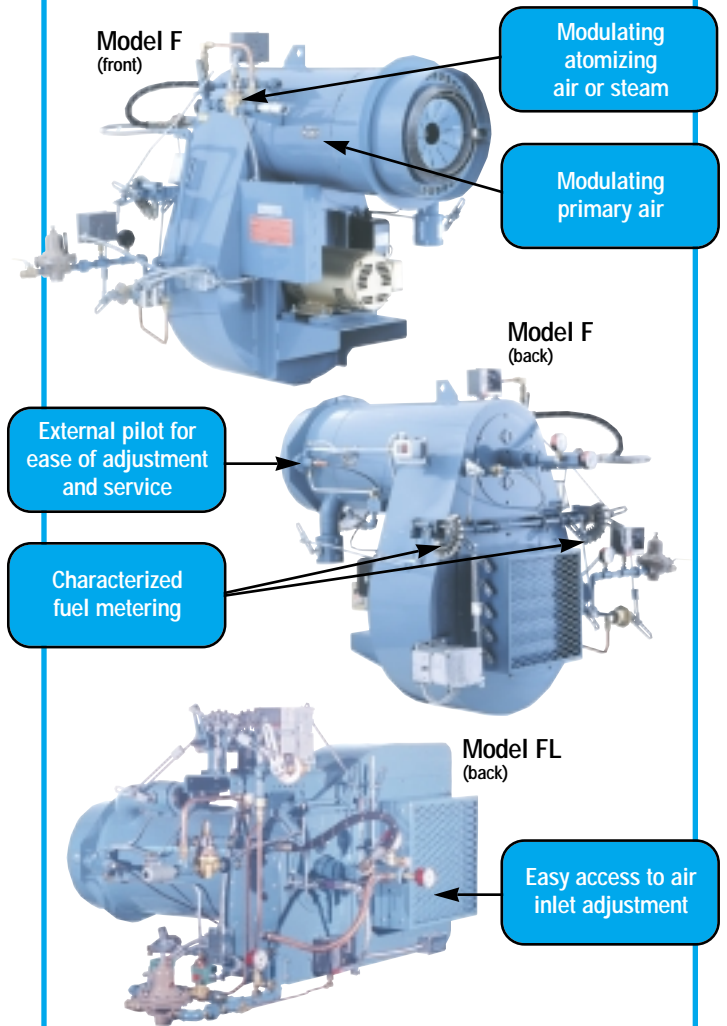
Patented\*

Forced Draft Gas, Oil or Combination  
Dual-Fuel Burners

**Air or Steam Atomizing Oil Systems**

## Features

- Modulating control systems with proven low-fire start, pre-purge and post-purge air control is standard.
- Patented stainless steel head combines a ring of recessed gas ports with controlled primary air for maximum flame retention.
- Separate air adjustment on Model F and FL provides unique air control at the firing head for adapting to a variety of conditions.



\*Covered by one or more of the following U.S. Patent Numbers 4785680, 4932274, 5441404, 5722821, 5944506, 5957682. Canadian Patent Number 1279632 and Canadian Patents Pending.

## Standard Equipment

### General

Blower motor and fan  
Air inlet louver box  
Airflow safety switch  
Characterized linkage

### Control Cabinet

Combustion flame safeguard control  
Indicator lights and control switch  
Modulating sub-panel, manual/automatic switch and manual potentiometer  
Blower motor with overload protection  
Fuel transfer switch  
Raised terminal strip for easy service and accessibility

### Gas

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

### Oil

Air compressor for air atomizing oil burners  
Electric oil heater for heavy oil applications  
Oil drawer assembly with oil nozzle  
Oil solenoid valve(s)  
Oil flame detector  
Oil pressure gauges  
Modulating atomizing air or steam

Low-NO<sub>x</sub> combustion systems available for the Model F and Model FL.

All Gordon-Piatt burners are factory-wired and assembled.

Frontplates and refractories are available to adapt burner to boiler or other appliance.

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JOHN ZINK COMPANY LLC

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# Model F and FL

Forced Draft Gas, Oil or Combination  
Dual-Fuel Burners

**Air or Steam Atomizing Oil Systems**

## Capacities

### Model F and Model FL

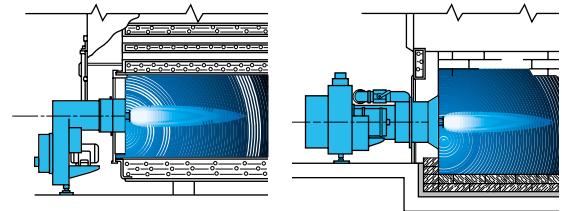
- 3,650,000 – 42,000,000 Btu/hr
- 80 – 1,000 boiler horsepower

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

## Typical Installations

### Applications

- Forced draft
- Natural draft
- Induced draft



Model F – Installed in a Scotch marine type boiler.

Model FL – Installed in firebox boiler with limited base height.

## Fuels Burned

Gases	Oils	Combinations
Natural	No. 2	Gas-oil
LP	No. 4	Gas-gas
Mixed	No. 5	
Digester	No. 6	

Fuel changeover automatically or by flick of a switch.

Underwriters Laboratories Inc.  
Listed to U.S. and Canadian safety standards



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

For complete engineering data contact your Gordon-Piatt™ representative.



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