



**The
Power
To
Burn.**SM

Gordon-PiattTM

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 S series of forced draft burners fires gas, oil or combination dual fuels with pressure atomizing oil systems. The Model S is most commonly used with Scotch marine boilers and other applications with firebox pressures up to 2 inches water column. This series is designed with a low profile to allow for clearance above the centerline of the firing head.

Like all Gordon-Piatt burners, the Model S is equipped with a patented stainless steel combustion head for pulsation-free operation with high heat release in confined combustion chambers.

Gordon-PiattTM – for the long run

As an exclusive brand of John Zink Company, Gordon-PiattTM 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-PiattTM 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-PiattTM products built for the long run.

John Zink Company, LLC

11920 East Apache, Tulsa, OK 74116

Voice: 620-221-4770 Fax: 620-229-2298

e-mail: gpinfo@kochind.com

Toll Free: 1-800-638-6940

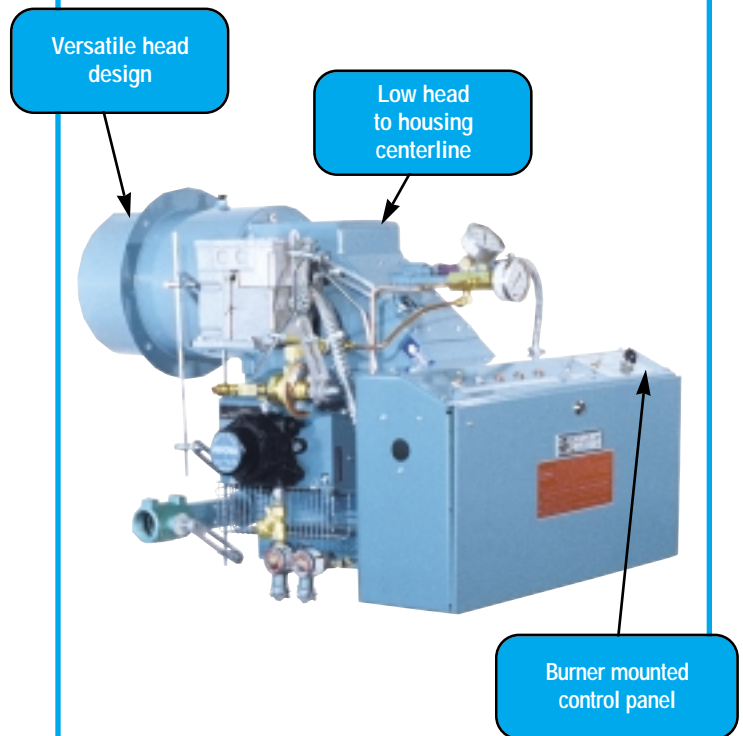
Model S

Patented*

Forced Draft Gas, Oil or Combination
Dual-Fuel Burners

Features

- A variety of control systems available, including on-off, low-fire start, low-high-low and modulation.
- Patented stainless steel head combines a ring of recessed gas ports with controlled primary air for maximum flame retention.
- Separate air adjustment 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 register
Air flow safety switch available on most models
External pilot for ease of adjustment and service
Characterized linkage optional on S6 through S12, standard on S14 and S16

Control Cabinet

Indicator lights and control switch
Programming combustion safety control
Motor contactor and overload protection
Raised terminal strip for ease of accessibility and service
Auto manual switch with manual potentiometer standard on all modulating units
Fuel transfer switch on combination burners

Gas

Safety pilot burner
Ignition transformer
Pilot solenoid valve
Pilot shutoff cock
Main shutoff cocks
Main and pilot pressure regulators
Automatic gas valves
Flame detector
Pressure gauge

Oil

Oil drawer assembly with air diffuser
Oil solenoid valve
Direct spark ignition available on S6 through S10
Gas pilot ignition on S12, S14 and S16
Flame detector (photocell or scanner)
Burner-mounted oil pump standard on firing rates of less than 45 GPH
Remote-mounted oil pump standard on firing rates of 45 GPH and higher
Oil nozzles
Pressure gauges

Low-NO_x combustion systems available for the Model S series.

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

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

Gordon-Piatt™

www.Gordon-Piatt.com

 **JOHN ZINK**
JOHN ZINK COMPANY LLC

John Zink Company, LLC • 11920 East Apache, Tulsa, OK 74116

Model S

Forced Draft Gas, Oil or Combination Dual-Fuel Burners

Capacities

Model S

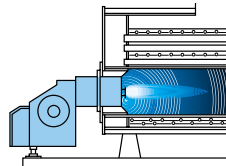
- 200,000 – 12,600,000 Btu/hr
- 10 – 350 boiler horsepower

20 sizes available for optimum efficiency and performance.

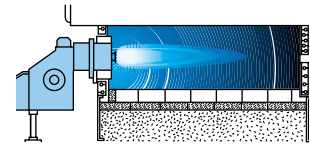
Typical Installations

Applications

- Forced draft
- Natural draft
- Induced draft



Model S – Installed in a Scotch marine type boiler.



Model S – Firing firebox boiler through the door.

Fuels Burned

Gases

Natural
LP
Mixed
Digester

Oil

No. 2 (light)

Combinations

Gas-oil
Gas-gas

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.



The
Power
To
Burn.™

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