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-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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Voice: 620-221-4770  Fax: 620-229-2298
e-mail: gpinfo@kochind.com

Toll Free: 1-800-638-6940

Model S

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.

Patented*

*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.
**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

**Fuels Burned**

**Gases**
- Natural
- LP

**Oil**
- No. 2 (light)

**Combinations**
- Gas-oil
- Gas-gas

**Fuels changeover automatically or by flick of a switch.**

**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-NOx 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.

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

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