

ECO-STAR II

Packaged Low NO_x Multi-Fuel Burner



Features

- Compact, packaged design
- Burner skid-mounted fuel manifolds
- Multi-fuel capability: natural gas, No. 2 - No. 6 fuel oils, liquid propane, landfill gas
- 1800 rpm impellers for low wear
- Single pilot/main flame scanner
- Total air design
- Compressed air/oil firing optional
- Low noise
- Independent motors for fuel and air
- Ultra low NO_x design for < 35 ppm available

Benefits

- Easy installation, setup and maintenance
- Fast mixing/burning - compact flames
- Improved recycled and heavy oil atomization
- Fuel efficient
- Variable flame shaping
- Low CO, NO_x and VOC emissions
- Valves can be characterized to maintain air/fuel ratio over entire operating range



The Eco-Star II continues Hauck's high quality commitment to the latest generation of combustion alternatives for industry. Maintaining the same excellent burner stability as its EcoStar predecessors, the Eco-Star II offers design and performance advantages while still being service accessible and simple to install. This burner supports a variety of liquid and gaseous fuels offering flexibility for optimizing fuel costs. The EcoStar II is available with low pressure atomization for light fuel oil or LP, or high pressure compressed air atomization for heavy fuel oils or installations located at high elevations. Emissions of NO_x, CO and VOCs are minimized with proven, state of the art technologies.

ECO-nomical

ECO-logical

the ECO-STAR II

Combustion Excellence Since 1888

**HAUCK MANUFACTURING
COMPANY**

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ECO-STAR II

PACKAGED LOW NOX MULTI-FUEL BURNER



ADVANTAGES OF THE ECO-STAR II

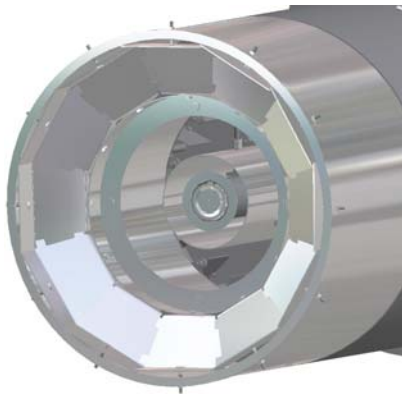
Low Noise

Compact Design

Flame Adjustability

Improved Fuel Efficiency

Low Emissions



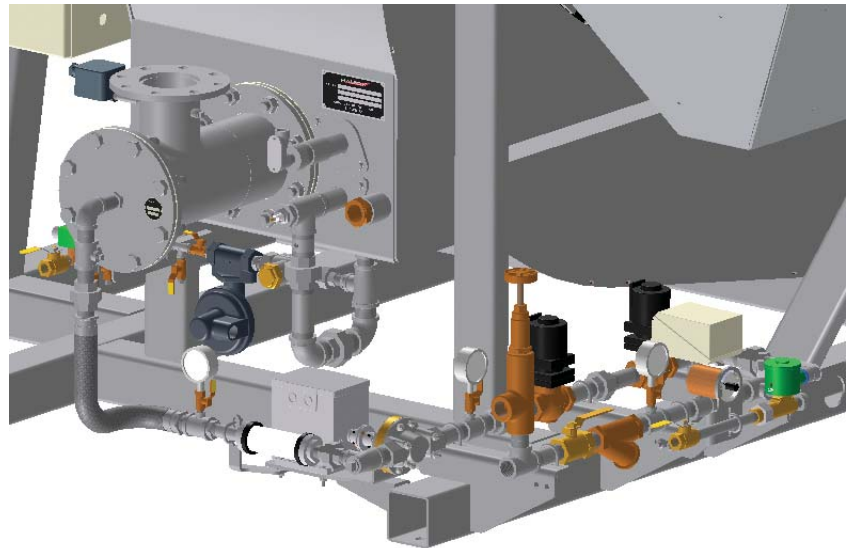
ECO-STAR II 150 High Fire @ 160 MM Btu/hr (42,300 kW)
No. 2 Fuel Oil Low Pressure @ Low Spin Setting

Available in sizes ranging from a nominal 75 to 200 million Btu/hr (19,800 to 52,900 kW), the Eco-Star II is ready to meet your production needs. Capable of supporting a variety of gaseous and liquid fuels, this burner offers the ultimate flexibility in dealing with today's highly volatile fuel pricing. The standard design can be applied to applications up to 1500°F (815°C).

The Eco-Star II precisely controls air/fuel ratio over its entire operating range with a 100% total air design. This proven technology reduces inefficient excess air, lowering fuel costs and improving production. The burner's compact, skid-mounted package adapts easily to most installations.

The Eco-Star II is designed to be a uniquely reliable low emission burner.

The burner's wide range of flame shaping ability allows the flame to be adapted to specific process requirements. All combustion is completed within the recommended combustion zone, further reducing emissions by eliminating flame quenching from process materials.



ECO-STAR II Compact Oil Manifold

The Eco-Star II's sealed-in construction, coupled with its high efficiency aerodynamic design, significantly reduces operational noise. As with all Hauck products, the Eco-Star II is backed by our internationally recognized service department and our more than 50 years of experience as a leader and partner to the asphalt industry.

www.hauckburner.com