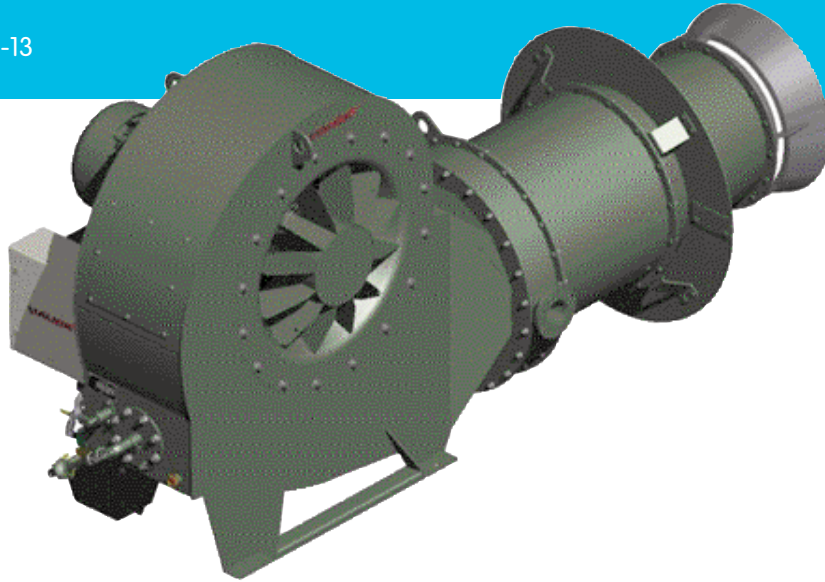


NovaStar

Ultra Low NOx Burner for Aggregate Drying

NS-1
Edition 3-13



- Ultra low NOx emissions of that meet most stringent air quality standards without FGR or water injection on natural gas and vaporized propane
- Precise air flow control via VFD and low horsepower design offers significant energy savings
- Compact modular design suitable for stationary or portable plants
- Standard and long-nose variations available to suit all drum types
- Advanced construction for ease of installation and maintenance
- Sealed-in design for ultra quiet operation and maximum fuel efficiency

* For California Markets

*Emissions less than 4.3 ppm NOx and 42 ppm CO (19% O₂)
compliant with San Joaquin Air Quality District standards, Rule 4309*

*Emissions less than 36 ppm NOx and 400 ppm CO (3% O₂)
compliant with South Coast Air Quality District standards*

Utilizing the latest patented lean burn premix technologies, the NovaStar offers design and performance advantages with service accessibility and ease of installation.

Available in various sizes the NovaStar is ready to meet your production needs and even the most stringent air quality standards with ultra low nitrogen oxide (NOx) emissions on gaseous fuels without the added expense of flue gas recirculation (FGR) technology. (For California markets, see notation on page 1.)

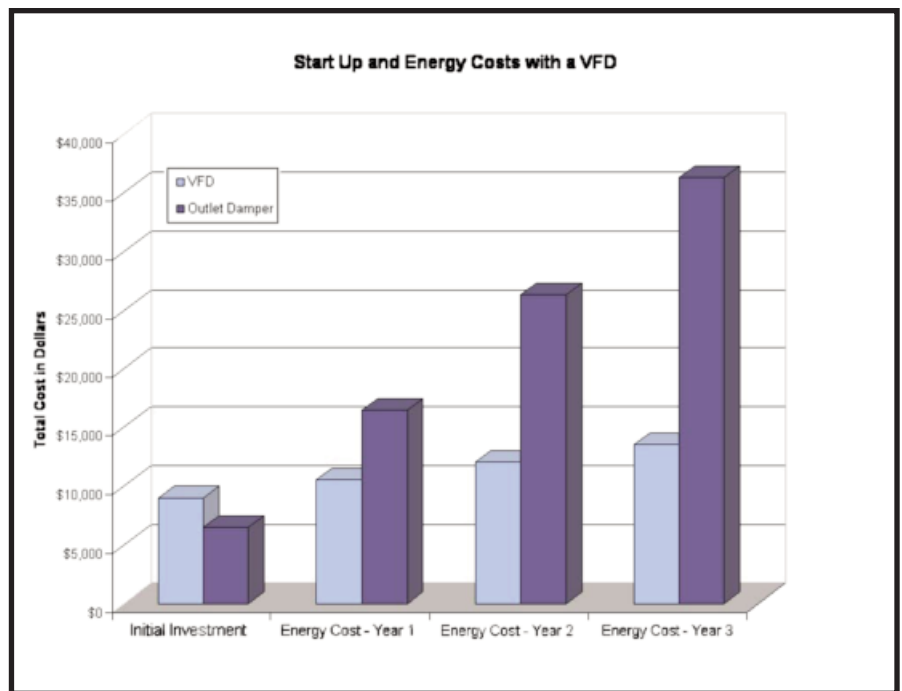
The NovaStar employs variable frequency drive (VFD) technology for precise air flow control over its entire operating range. Combining precise air flow control with real time fuel flow measurement results in maximum efficiency and cost savings. The use of this VFD technology offers energy savings via reduced electricity consumption as illustrated in the adjoining chart.

The burner can be easily operated and effectively managed with PLC-based control provided by Hauck's BCS products.

The burner produces a compact flame making it suitable for all drum sizes and types. This further reduces emissions by completing all combustion within the short combustion zone eliminating flame quenching from process materials.



NovaStar NS150 firing natural gas at 140 MMBtu/hr



Savings based on 2000 hour season at 14 cents per kWh with variable duty cycle times.

For additional information on this product, visit our website at:

www.hauckburner.com

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