

# ECLIPSE VORTOMETRIC BURNERS

## **Designed to deliver rugged dependability, high outputs and low emissions**

Vortometric burners are built to fire light and heavy fuel oils and almost any industrial gas—including propane, butane, manufactured and mixed gases—to extremely high outputs. They feature a high combustion air swirl rate that produces a stable flame with high turndown capabilities and low levels of NO<sub>x</sub> and CO emissions.

The Eclipse Vortometric burners are available in MI (Medium Intensity) and HI (High Intensity) Series. The MI Series burners are suitable for firing all industrial gases. The HI Series burners, characterized by a shorter flame length, are built to fire all gases as well as light and heavy fuel oils and various types of waste fuels.

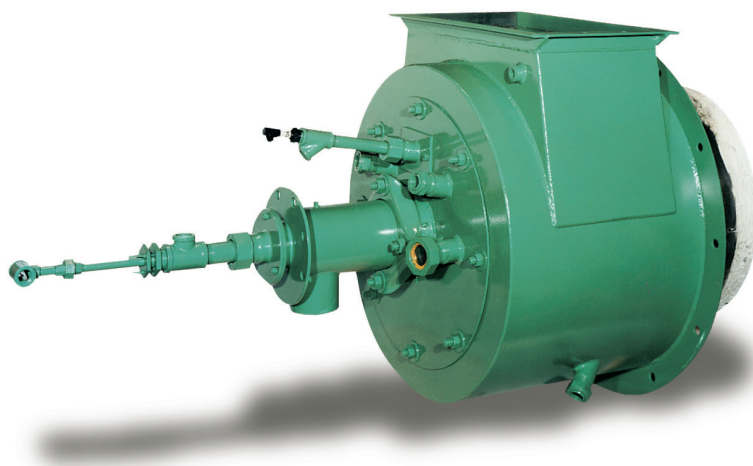
## **Application Versatility**

Vortometric MI and HI Series burners operate from 6,000,000 to 210,000,000 BTU/hr., making them the right choice for any high output heating process including large dryers, ovens, calciners, kilns, thermal fluid heaters, thermal oxidizers, oil heaters, vaporizers, boilers, liquid and waste incineration, and numerous environmentally sensitive air heating applications worldwide.

Compare the many Vortometric performance and operation features with other high intensity burners before deciding which is the right choice for your new equipment or retrofitting application:

- High turndown capabilities on a wide range of fuels result from the stable flame produced by the air swirl rate.

## **Multi-Fuel Air Heating Burners**

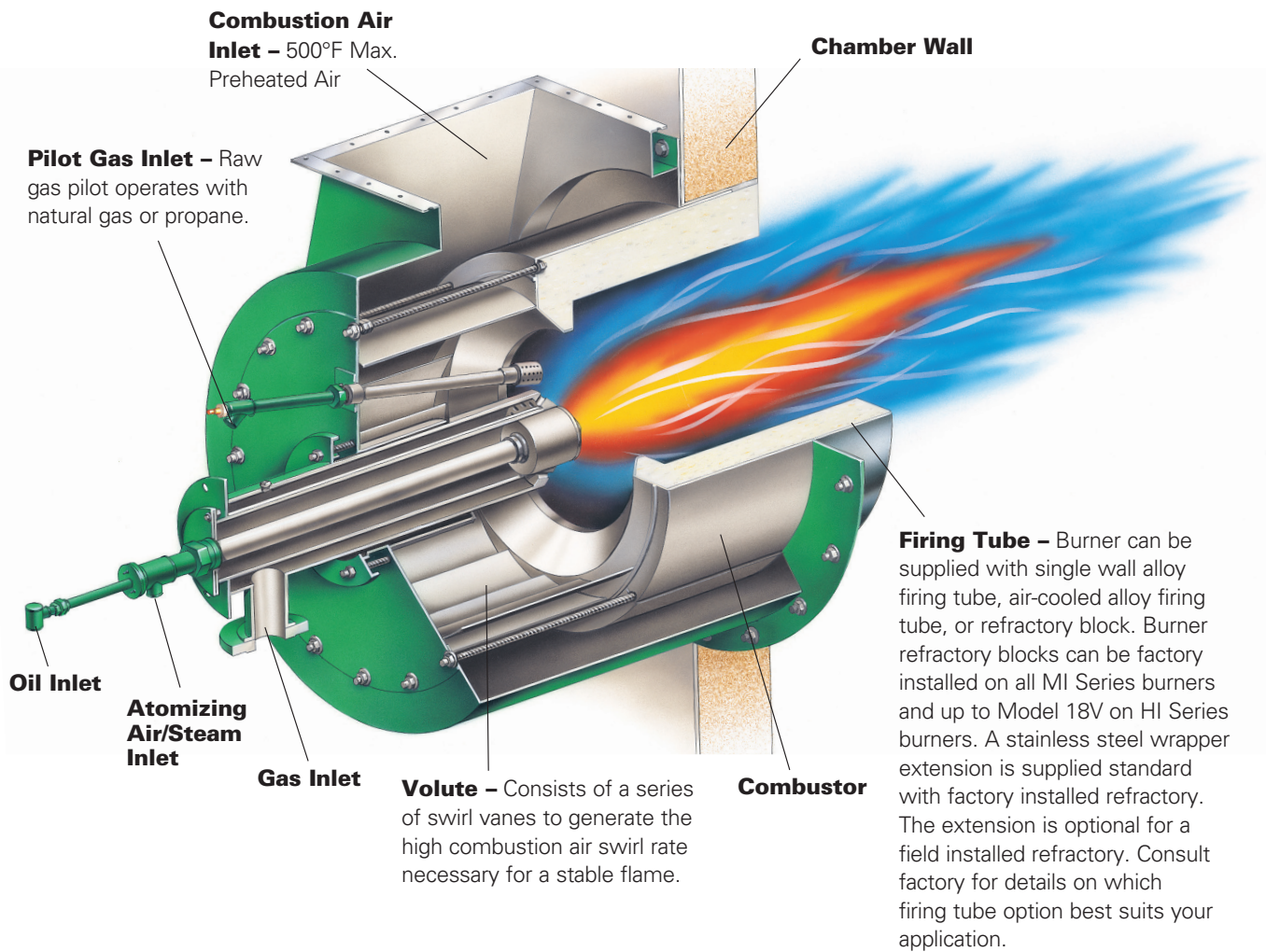


- Clean, smoke-free combustion results from the unique “vortex generator” which vaporizes fuel oils.
- Low NO<sub>x</sub> and CO emissions.
- Rugged heavy gauge steel windbox and volute assemblies provide durability.
- Operates with low excess air for maximum efficiency or high excess air for high volume process air heating.
- Single wall alloy, air-cooled alloy, and refractory versions available.
- Standard firing arrangement is horizontal but can be fired vertically with additional gas lance support rods.

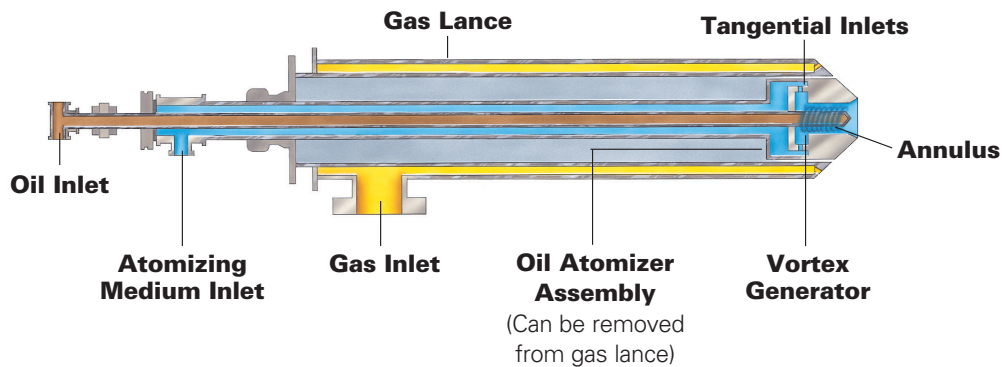
Consider also that Vortometric burners are available as packaged units including valve trains, combustion air blowers, flame supervision and controls.

# Vortometric Burners

*Unique gas lance/oil atomizer design vaporizes fuel for clean, smoke-free combustion.*



## Gas and Oil Lance with Fuel Atomizer



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