

ECLIPSE INCINIFUME BURNERS

Designed for efficient high temperature process air heating in ducts.

The InciniFume is an in-duct burner, originally developed by Eclipse for supplemental firing in power generation applications. The burner uses the oxygen within the exhaust flow to complete the combustion process. The short flame and uniform temperature distribution make it ideal for a variety of industrial processes requiring large heat inputs and high outlet temperatures. The design provides stable operation and clean combustion with a wide range of velocities, inputs and fuels.

The InciniFume burner is modular in design and is assembled in straight sections, tee sections and crosses to produce nearly any configuration required. Each burner module consists of cast stainless steel bodies and four divergent air wings made of high quality stainless steel. The burner body supplies fuel to the center of the air wings to control the air and fuel mixing inside the burner, while optimizing efficiency and reducing NOx emissions.

Ready for the world

InciniFume burners combine advanced engineering with features that are truly world class.

- Multi-fuel capability (natural gas, propane, butane and low calorific gases).
- Inputs up to 850,000 Btu/hr/LF (750kW/m) depending on air temperature and oxygen content.
- Up to 30:1 turndown (10:1 typical).
- Up to 1,200°F (650°C) upstream air temperature.
- Up to 1,750°F (950°C) downstream air temperature.



