

ECLIPSE THERMJET PCA BURNERS

***New standards for velocity,
emissions and flexibility***

Designed to deliver more

ThermJet PCA Burners represent a technological leap forward in every area of design and performance that counts.

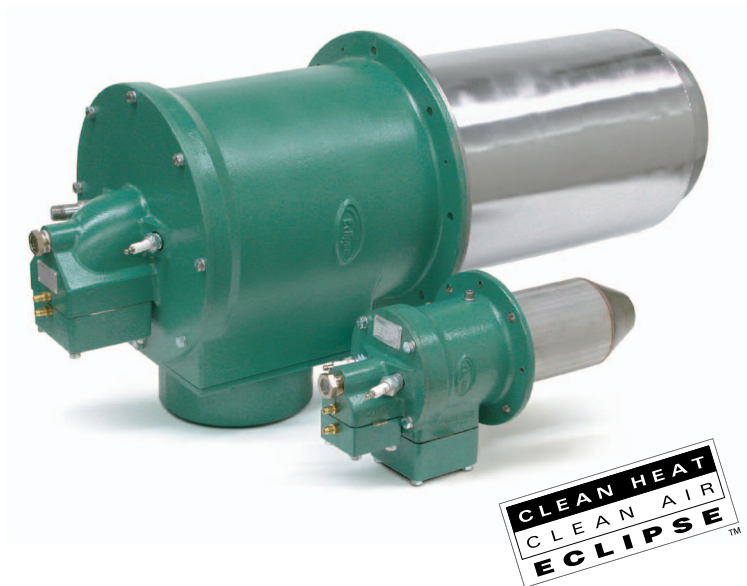
- ThermJet PCA has the highest operating velocity of any burner available.
- Comparison tests with competitive models prove ThermJet PCA delivers the lowest emissions.
- Integrated gas orifices simplify burner piping, set-up and adjustment.
- Air and gas inlets are independently adjustable in 90° increments to suit a variety of piping alternatives.
- Installation, operation, and maintenance are simplified and less costly.
- Made to last...rugged Eclipse Combustion dependability and reliability are built in.
- Available in fourteen sizes with maximum capacities from 150,000 Btu/hr. to 20,000,000 Btu/hr. All models are also available for use with ambient combustion air, see Bulletin 205C.

A performance leader

Highest velocity flame. ThermJet produces an intense stream of hot gases to thoroughly penetrate the load and deliver precise temperature uniformity for consistent product quality and system efficiency.

Unparalleled fuel and control convenience. ThermJet PCA offers the convenience of multi-fuel capability with no nozzle change. Plus, you can use any control methodology...pulse firing, excess air or stoichiometric.

***For Preheated
Combustion Air***



Large turndown combined with high excess air. A wide turndown range with high excess air means ThermJet PCA delivers high velocity benefits and efficiencies across its operating range.

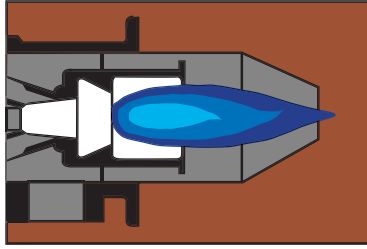
Dependable ignition. With ThermJet PCA you can light anywhere in the ignition range with no pilot required.

Customization with packaged convenience. All ThermJet PCA components have been pre-engineered to come together to meet your specific requirements. You choose the capacity range, combustor type, fuel type, thread type and flame sensing components you need to do the job.

Big savings. When you figure in the installation and maintenance savings, you'll discover that ThermJet's top performance is equaled only by its cost effectiveness.

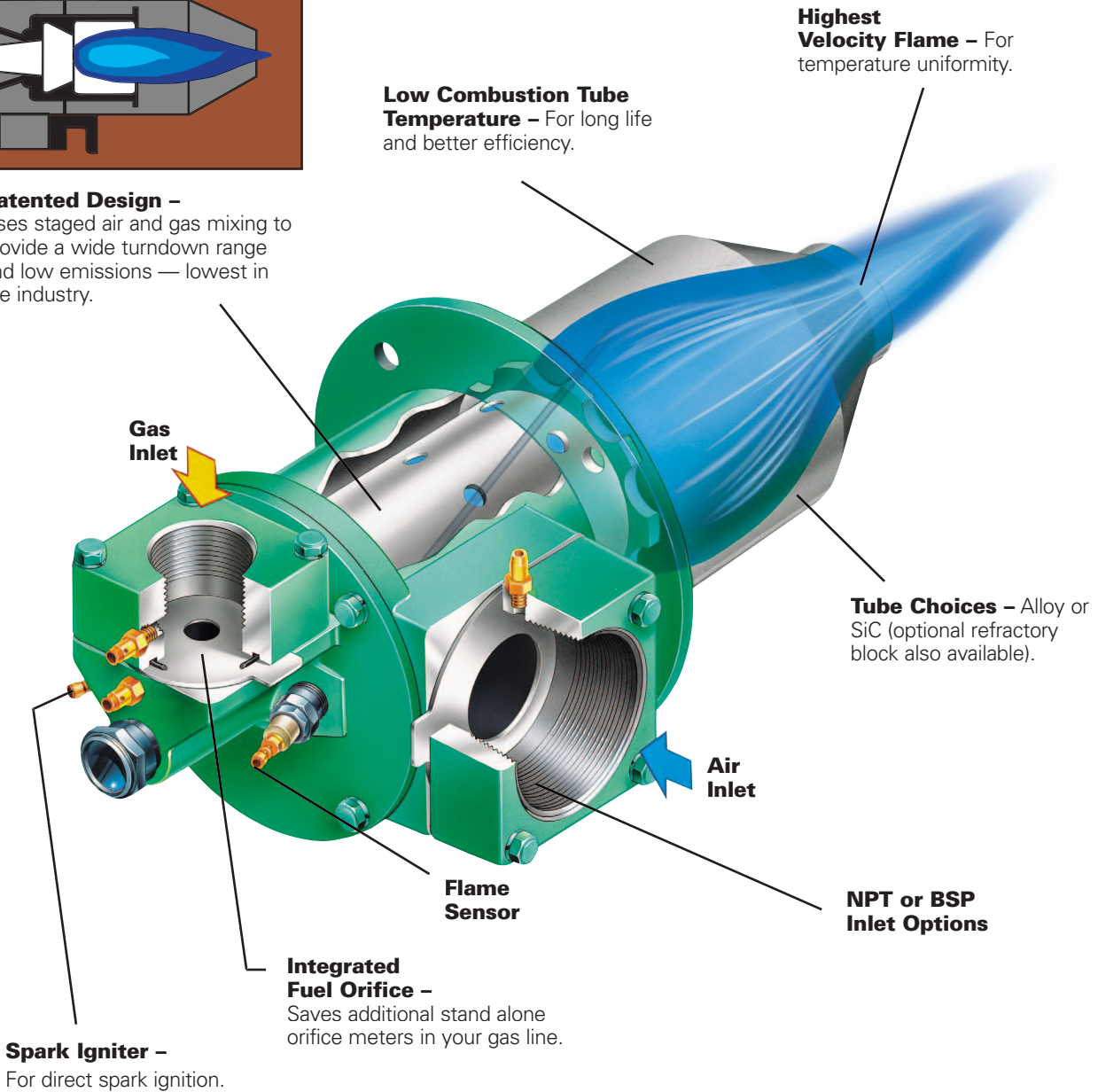
ThermJet PCA Burners

Sets new standards for velocity, emissions and flexibility.



Patented Design –

Uses staged air and gas mixing to provide a wide turndown range and low emissions — lowest in the industry.



Low Combustion Tube Temperature – For long life and better efficiency.

Highest Velocity Flame – For temperature uniformity.

Tube Choices – Alloy or SiC (optional refractory block also available).

Air Inlet

Flame Sensor

NPT or BSP Inlet Options

Integrated Fuel Orifice – Saves additional stand alone orifice meters in your gas line.

Spark Igniter – For direct spark ignition.

ECLIPSE®
Innovative Thermal Solutions
www.eclipsenet.com