Honeywell

THE POWER OF **CONNECTED**

ECLIPSE THERMJET PCA BURNERS

For Preheated Combustion Air

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 Honeywell-Eclipse 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 the ThermJet brochure.

A PERFORMANCE LEADER

ThermJet is a direct fire, nozzle-mix burner that is designed to fire an intense stream of hot gases through a high velocity nozzle. The extremely high velocity of the gases improves temperature uniformity, product quality, and system efficiency. ThermJet PCA uses the same proven technology as the standard ThermJet, but delivers a lower emissions and improved fuel efficiency.

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.

Large turndown combined with high excess air.

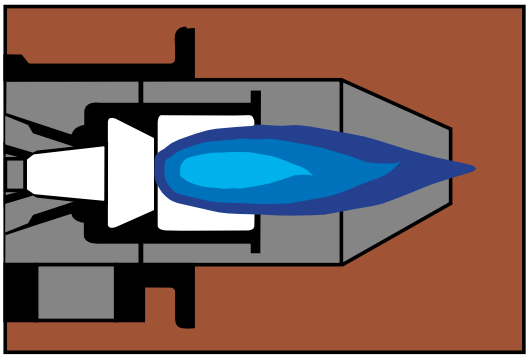
A wide turndown range with high excess air means ThermJet PCA delivers high velocity benefits and efficiencies across its operating range.

Dependable ignition.

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

Typical applications include:

- Tempering furnaces
- Reheating furnaces
- Hardening furnaces
- Fluidized bed dryers
- Thermal oxidizers on-ferrous melting
- Ladle/tundish, glass lehrs
- Environmental applications



Advanced Nozzle Design Diagram

Customization with packaged convenience.

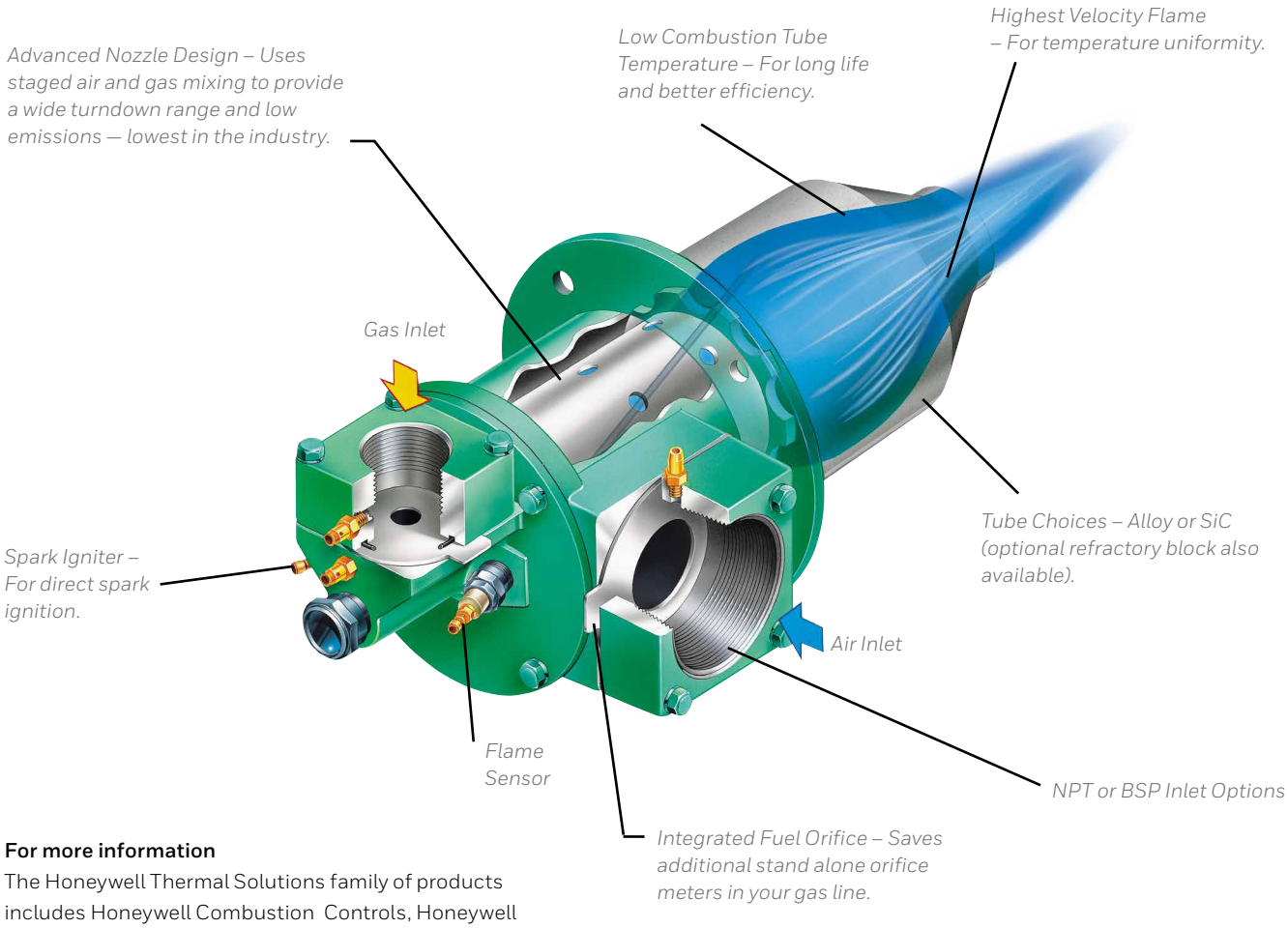
All ThermJet PCA components have been pre-engineered to come together to meet your specific requirements. You choose the capacity range, combustor type, fuel type, thread type and flame sensing components you need to do the job.

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.



For more information

The Honeywell Thermal Solutions family of products includes Honeywell Combustion Controls, Honeywell Combustion Safety, Honeywell Combustion Service, Eclipse, Exothermics, Hauck, Kromschröder and Maxon.

To learn more about our products, visit ThermalSolutions.Honeywell.com or contact your Honeywell Sales Engineer.

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