

INTRODUCING

# PHOENIX **TH** / **RH** Tube Fired Burner / Exhaust Recuperator

## Phoenix TH Burners and RH recuperators feature reliable performance

The Phoenix Tube Heat (TH) is designed to fire into radiant and immersion tubes with the option to incorporate the multi-tube Recupe Heat (RH) exhaust recuperator for improved efficiency.

The industry proven TH burner nozzle design creates a spiraling flame that scrubs the inside of the fire tubes resulting in increased heat transfer and enhanced temperature uniformity ensuring the longest tube life.

With the adjustable flame length and multi-fuel capabilities, the TH burner is ideal for any tube firing application, handling ambient or pre-heated combustion air for straight, U, and W-type tube designs.

If a process demands the highest level of system efficiency, the RH recuperator will provide the max preheated combustion air into the TH burner. By recouping energy losses at the exhaust, a system can be tuned to maximize fuel savings of up to 30% or greater.



### TH BURNER CAPABILITIES

Input Capacity Range	100,000 – 750,000 BTU/hr
Low Fire Input	5,000 BTU/hr
Flame Detection	Flame rod or UV scanner
Ignition	Direct spark
Max. Inlet Air Temperature	1,000°F



Scan QR code with smartphone camera for instant access to technical information

### FEATURES & BENEFITS

**Uniform Tube Temperature** — Ensures uniform product heating.

**Clean Combustion** — No soot with low NOx and low CO emissions.

**High Efficiency** — Operates with low excess air and pre-heated combustion air temperatures up to 1,000°F.

**Reliable Ignition** — Consistent performance across a wide range of firing rates.

**Multi-Fuel Capabilities** — Can be fired on Natural Gas or Propane without changing internals.

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