



PHOENIX INDUSTRIAL BURNERS

Your Heat. Your Voice. Our Engineering.

NOW AVAILABLE IN AFRICA!

Algas-SDI is a global leader in clean fuel technology, specializing in robust industrial process heating equipment.

Our combustion burner line—featuring flagship models like the PHOENIX Velocity Heat (VH) and Simple Heat (SH) packaged burners—is engineered for extreme reliability, precise temperature uniformity, and high efficiency.

In partnership with Steam Generation, Algas-SDI brings world-class industrial combustion burners and local technical excellence directly to you.

Steam Generation brings decades of thermal engineering expertise, offering local customers dedicated technical guidance, seamless installation, and comprehensive field service.

Phoenix VH0200



Scan for instant access to
Phoenix Burner Information



WHY STEAM GENERATION AND ALGAS-SDI PHOENIX BURNERS?

-  **On-Time Delivery:** We prioritize your timeline, so your project stays on schedule.
-  **Built to Last:** Our components are engineered for unwavering performance.
-  **True Partnership:** Our dedicated team is always accessible, providing the support you need.

PROVEN RELIABILITY

The Right Burner for Your Project

- **Firing Mode:** On-Ratio/Fixed Air
- **Turndown:** Up to 80:1
- **Burner Capacities:** 40kW – 1,987kW
- **Velocity:** High, Medium, Low (Straight Combustor)
- **Fuel Type:** Natural Gas, Propane, LPG Mixtures
- **Burner Type:** Nozzle Mixing
- **Efficiency:** Recuperative / Pre-Heat (Up to 535°C), Air Modulation
- **Design:** Packaged and Direct Fired
- **Emissions:** Low NOx
- **Flame Supervision:** Flame rod, UV Scanner
- **Combustor Options:** Alloy, Ceramic, Refractory



The **Phoenix Velocity Heat (VH)** is a direct-fired, nozzle-mixing burner designed with durability and flexibility in mind.

Applications: **Heat treating furnaces, thermal oxidizers, cremation, nonferrous melting furnaces, and more.**



The **Phoenix Simple Heat (SH)** packaged burner is a nozzle-mixing burner with an integral air blower designed to operate with fixed or modulating combustion air.

Applications: **Ovens, furnaces, driers, RTOs, kilns, and more.**



The **Phoenix Tube Heat (TH)** is designed to fire into radiant and immersion tubes.

Applications: **Furnaces containing straight, U, and W-type tube designs.**



The Phoenix **Recupe Heat (RH)** is an optional multi-tube exhaust recuperator for improved efficiency.

Maximize fuel savings up to 30% or greater.

Applications: **Furnaces containing straight, U, and W-type tube designs.**



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