



INTRODUCING

PHOENIX SH

Packaged Burner

Phoenix SH Fixed Air Burners feature **simplicity and reliability.**

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.

The available air and fuel control options, high turndown, and the industry proven nozzle design makes the Simple Heat an excellent option for any process heating application.

SH packaged burners are ideal for installation on ovens, furnaces, RTOs, driers, and kilns. Whether the project is for a new system or a rebuild, the SH is simple to install, set up, and operate.

Designed to be a drop-in replacement for the Eclipse® ThermAir(TA) and a great alternative for the RatioAir(RA), Maxon® OvenPak, and Hauck® PBG.

Algas-SDI has no affiliation or connection with Honeywell International, Inc., Maxon, Inc or Eclipse, Inc. and Algas- products are not sponsored or endorsed by Honeywell International, Inc. or Eclipse, Inc.

SH BURNER CAPABILITIES

Turndown	up to 80:1
Fuels*	Natural gas, Propane
Max. Operating Temperature	2,500°F
Max. Combustion Air Temperature	300°F
Capacity Range	Up to 4,000,000 BTU/hr
Combustor Material	Alloy, Ceramic, and Refractory
Combustor Outlet	Straight and Medium Velocity

* Contact factory for additional fuels



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



FEATURES & BENEFITS

Customization with packaged convenience — All SH components have been pre-engineered to come together to meet your specific requirements. You choose the capacity, fuel, flame sensing, combustor, and air/fuel ratio control you need to do the job.

Air and Fuel Control Options

Modulating air (SH-VR): configured with an inverter ready motor, a variable speed controller sets the blower speed while a ratio-regulator controls the fuel input to maintain optimum air/fuel ratio.

Fixed air (SH-FC): an actuator-controlled fuel valve sets the fuel input while the blower operates at a fixed speed.

Large turndown — A wide turndown range means SH burners deliver heat reliably across its operating range.

Dependable ignition — With SH you can light anywhere in the operating range with no pilot required.

Revised 12-2024