INTRODUCING

PHOENIX VH
Direct Fired Burner

Phoenix VH Direct Fired Burners feature rugged dependability.

When you need rugged dependability, Phoenix Velocity Heat (VH) has you covered from 150,000 up to 5,000,000 BTU/hr.

Typical applications for the VH burners include batch and continuous furnaces for heat treating, thermal oxidizers, non-ferrous melting furnaces, and many more.

VH direct fired burners are made to last, built with rugged dependability and reliability in mind. Integrated gas and air orifices simplify burner piping, set-up and adjustment. The orientation of the integral air and gas inlets are adjustable in 90-degree increments to suit a variety of piping alternatives making installation simple and cost effective.

The VH burners can be operated on-ratio and with fixed air control schemes. The built-in igniter ensures reliable ignition of the VH burners across the entire operating range. High-temperature powder coated components and the stainless steel nozzle option assure that the burner will stand up to the demanding environments of industrial heat treat applications.

VH BURNER CAPABILITIES	
Turndown	10:1 (on-ratio); 50:1 (fixed air)
Fuels*	Natural gas, Propane
Max. Operating Temperature	1,750°F (Alloy); 2,500°F (Ceramic); 2,800°F (Refractory)
Max. Combustion Air Temperature	300°F

**Contact factory for additional fuels*

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

FEATURES & BENEFITS

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

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

Customization with packaged convenience — All VH components have been pre-engineered to come together to meet your specific requirements. You choose the capacity, nozzle material, combustor material and outlet velocity, fuel type, and flamesensing components you need to do the job.

Unparalleled fuel and control convenience — The VH offers the convenience of multi-fuel capability with no nozzle change. Plus, you can use any control methodology; pulse firing, excess air or on-ratio.

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