Heat Treat Today's Anatomy of Combustion Systems

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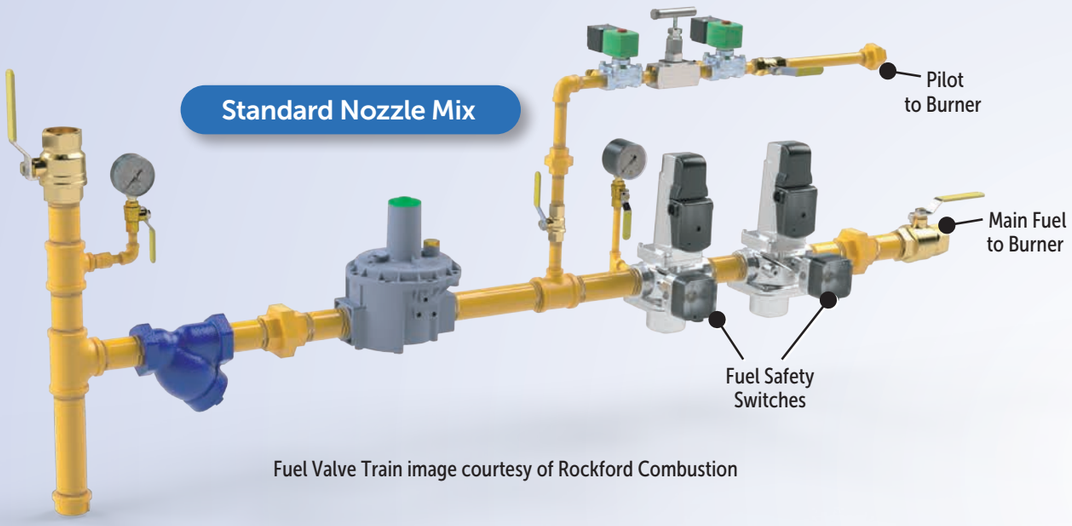
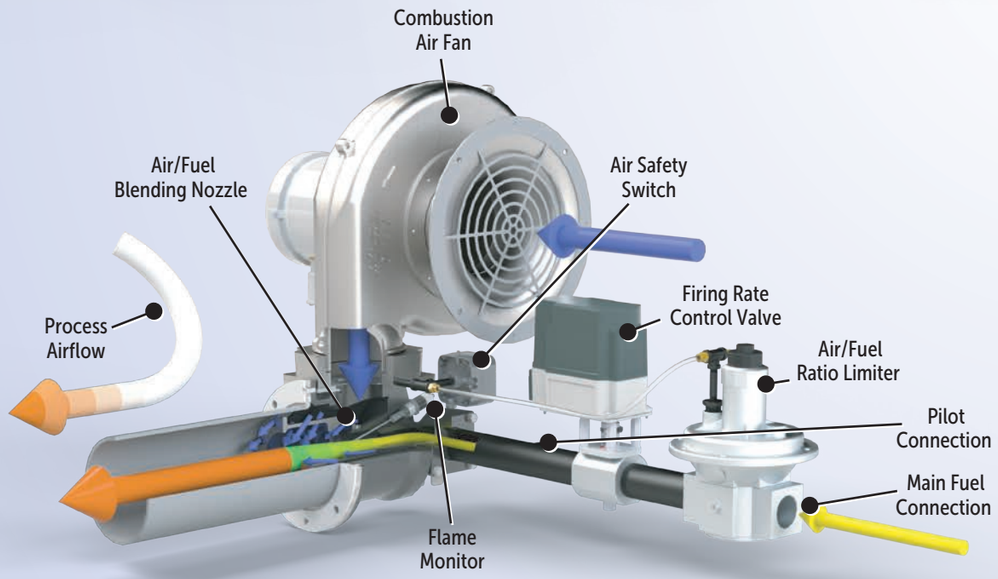
Every feature you need to know in heat treat systems.

Consider the numerous systems in your heat treat operations. What makes up the anatomy of each furnace? In this "Anatomy of a Furnace" series, industry experts indicate the main features of a specific heat treat system. In this feature, Rockford Combustion compares two types of low-temperature combustion systems: standard nozzle mix and pre-mix combustion. As Bob describes in the following article, "low temperature" is defined as being "below the auto-ignition threshold," which varies around 1200°F.

Standard Nozzle Mix

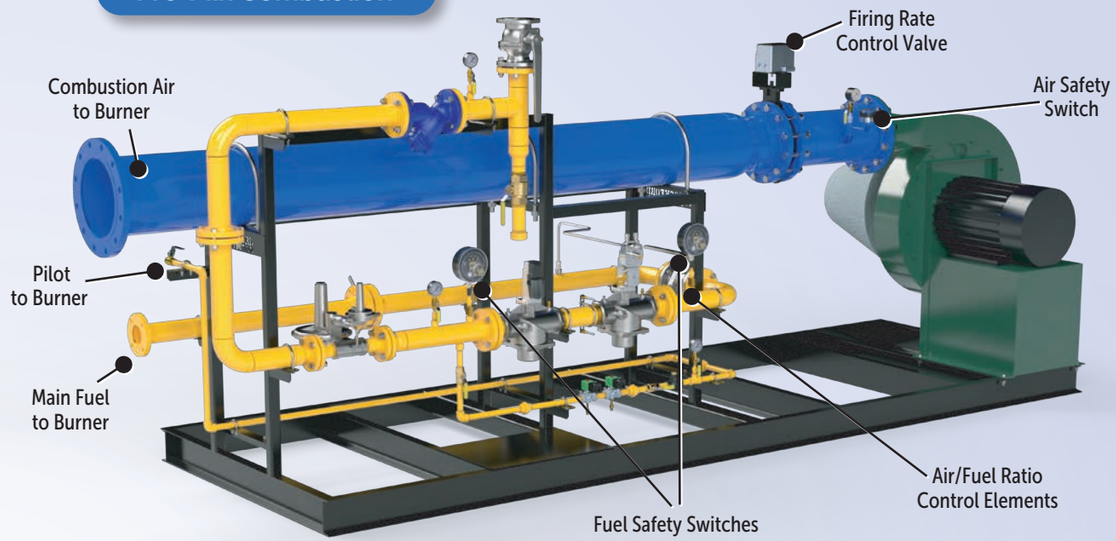


Fuel Valve Train image courtesy of Rockford Combustion

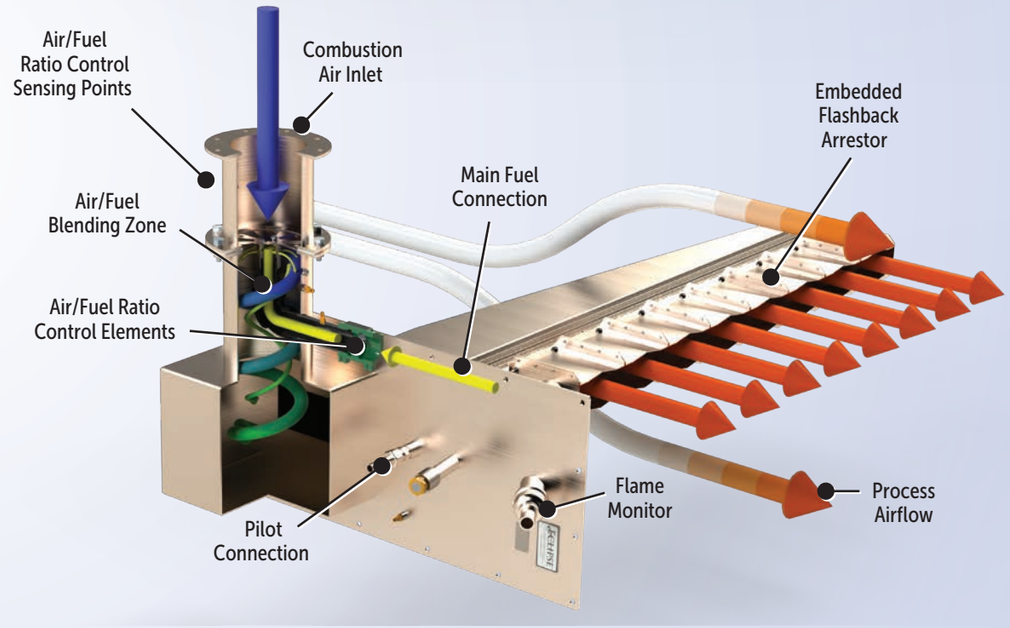


Phoenix SH packaged burner image courtesy of Algas-SDI

Pre-Mix Combustion



Packaged Valve Train image courtesy of Rockford Combustion



Linnox burner image courtesy of Honeywell Thermal Solutions

Combustion System Providers

Search www.heattreatbuyersguide.com for a list of combustion systems providers to the North American market.

- Algas-SDI
- Bloom Engineering Company
- Combustion 911
- ESA S.p.A.
- Rockford Combustion
- Selas Heat Technology Company

This series will continue in subsequent editions of **Heat Treat Today's** *print publications.*

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