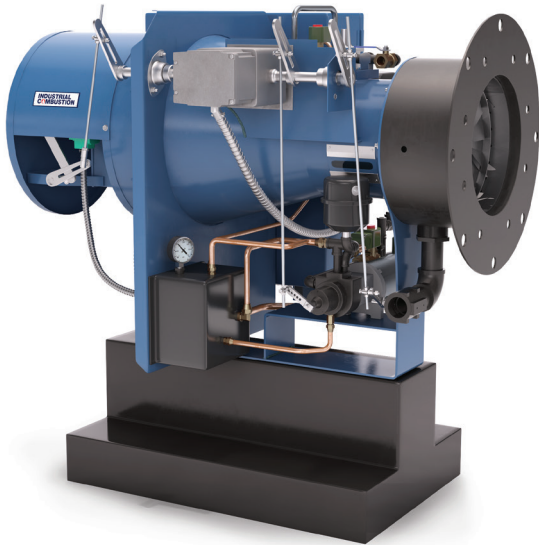


ENERGY SAVINGS SOLUTION

LINKAGELESS BURNER MANAGEMENT KIT FOR INDUSTRIAL COMBUSTION BURNERS

- IC Conversion Panel Includes Siemens LMV5 System
- Fully Integrated, User Friendly Interface with optional 6" or 10" touchscreen
- Improves Burner Efficiency Performance
- Saves Energy & Operating Expense
- Reduces Emissions



**INDUSTRIAL
COMBUSTION**

LINKAGELESS BURNER MANAGEMENT

PARALLEL POSITIONING vs. LINKAGED FUEL-AIR CONTROL:

Most burners in operation today incorporate single point positioning with a single motor and linkage/rod arrangement to drive the fuel and air control devices.

While simple in design, these legacy control systems do not adequately address the building owner's concern for reducing energy costs. If you are concerned with saving money while improving the environment, the best approach is the use of a parallel positioning system for optimal fuel-air control.

Unlike the single point control, parallel positioning systems use independent actuators for precise and repeatable metering of fuel and combustion air; properly proportioning firing cycle after firing cycle which saves you energy, up to 10% or more depending on the condition of your present burner setup and load characteristics.

How is this possible?

With the single point linkage/rod system, fuel-air metering adjustment is approximate at best, normally requiring a highly skilled technician to setup and maintain proper fuel-air ratios across the firing range.

Even then, after days and months of cycling, the single point linkage arms, ball joints and rods have a tendency to wear, stretch and slip, leading to poor combustion efficiencies.

With parallel positioning systems, the linkages are replaced with separate actuators controlling the fuel and air independently, yet synergistically through the system controller. This means easier setup and precise control of the combustion mix time after time, year after year. No more wasted fuel dollars because of improper control of the fuel and air.



Industrial Combustion D Burner with Parallel Positioning

LMV SYSTEM FEATURES & BENEFITS:

- Completely integrated burner control with fully modulating flame safeguard from a single source
- Integrated fuel-air ratio control system with single or dual-fuel applications for greater flexibility
- Controls up to six independent actuators for optimal efficiency in low NOx burner applications
- Integrated gas valve proving system that checks for leaks on every burner cycle for maximum safety
- High accuracy and resolution with 900 highly repeatable actuator positions for efficient operation
- Digital positioning feedback from actuators ensure precise control, repeatability and reliability
- Up to 15 programmable points per fuel-air ratio curve for greater flexibility and tighter control
- Independent ignition position for greater flexibility
- Annunciation of over 500 standard faults allowing fast response to trouble conditions
- Integrated PID Temperature/Pressure Controller with autotune for extremely accurate control
- VFD control with actual motor RPM speed sensor provides reliable, efficient and safe control of the combustion air blower
- Optional O2 monitoring and control for additional energy savings and safety

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