



**SAFETY**  
**RELIABILITY**  
**EFFICIENCY**

**CELEBRATING 10 YEARS OF  
EXCELLENCE.....**

# BLAZING NEW FRONTIERS IN COMBUSTION ENGINEERING

Since its inception in 2013 Blaze Combustion Systems has been leading provider of cutting edge solutions for Combustion Engineering.

Our commitment to excellence has positioned us as a trusted partner for customers. With a diverse range of products and services for Industrial Heating applications, we specialize in delivering state-of-the-art solutions that ensure optimal safety and efficiency in gas-powered systems.

With over 35 years of work experience in combustion engineering our team of skilled and qualified people offer reliable and comprehensive solution for combustion engineering Products from Concept to Commissioning.

## OUR EXPERTISE

- Oil to Gas/ Dual fuel conversion for
  1. Industrial Boiler
  2. Furnace
- Process heating systems
- Automation for Burner Control Systems
- PLC based LPG Auto-changeover system
- Online CO detection Systems for Direct fired industrial ovens
- LPG/PNG leak detection System
- Customized Gas Trains
- Gas Trains for DFK for D.G Set conversion to Natural Gas
- Customized solution for Industrial heating applications
- Gas flow metering & control systems

## INDUSTRIES WE CATER

- Burner Manufacturers
- Oven Manufacturers
- Automobile
- Metal Making
- Engineering
- Boiler Manufacturers
- Paint Shops
- Galvanizing lines
- Ceramics
- Food Industry
- Textile
- Power Generation

## OUR ESTEEMED CUSTOMERS



# PRE-PIPED GAS TRAINS

We offer Customized Pre-Piped & Pre-tested Gas Trains for Gas fired burners.

**Sizes offered :** DN25 - DN200

**fuel Compatibility:** Natural Gas, LPG, Propane, Biogas



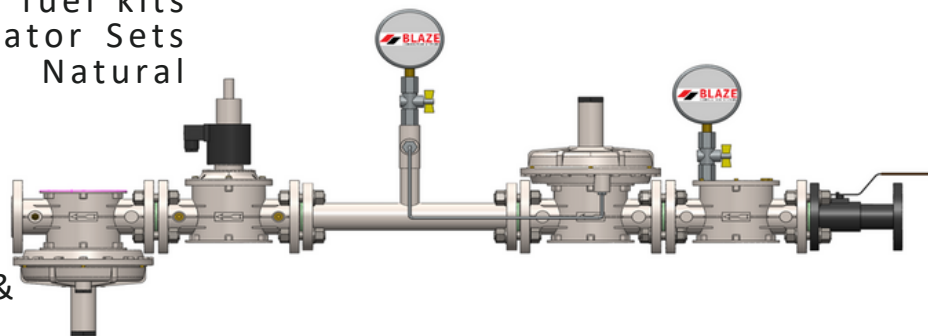
## Gas Train for D.G. Set Dual Fuel Kit

Customized Gas Trains for Dual fuel kits for Conversion of Diesel Generator Sets to operate on Piped Natural Gas/Biogas/Drygas.

Gas Trains are customized according to OEM requirement & designed to work on different sizes of Generator Sets.

**Suitable for Genset :** 35KVA- 2250KVA

**LATEST  
OFFERING**







**GAS PRESSURE  
REGULATOR**



**PRESSURE RELIEF  
VALVE**



**SLAM SHUT-OFF  
VALVE**



**AUTOMATIC RESET  
SOLENOID VALVE**



**MANUAL RESET  
SOLENOID VALVE**



**GAS FILTER**



**GAS PRESSURE  
SWITCH**



**VALVE PROOFING  
SYSTEM**



**IGNITION ELECTRODE**



**SEISMIC SENSOR**



**UV SENSOR**



**BURNER CONTROLLER**



**HT CABLE**



**PRESSURE GAUGE**



**PUSH TO TEST  
VALVE**



**INTELLO ADJUSTABLE  
PORT VALVE**



**INTELLO SMART MODULATING  
ACTUATOR**



**BUTTERFLY VALVES**



**INTELLO ACTUATOR WITH  
EXTENDED BONNET**

## FLOW METER



**ROTARY FLOW METER**

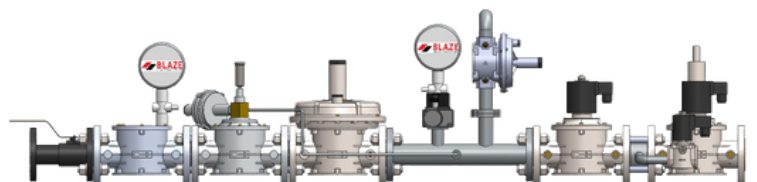


**ELECTRONIC VOLUME CONVERTER**

## OIL TO GAS CONVERSION KIT

Suitable for Conversion of -

- 100kg to 850kg **Steam Boilers**
- 100,000kcal - 1,500,000kcal  
**Thermic fluid heater & Hot  
Water Generator**



# PLC BASED LPG BANK AUTO CHANGE-OVER SYSTEM



LPG BANK Auto Change over panel is used for switching of LPG Gas bank.

## Features:

- Switching from empty Gas Bank zone to available zone.
- Zone change on the basis of outlet gas pressure for vaporiser
- Manual change over facility.
- Buzzer at the time of change over.

## ON-LINE CO DETECTION & ALARM SYSTEM

Online CO Detection system is used for direct fired recirculation ovens as excess CO level inside the oven can lead to explosion.

## Features :

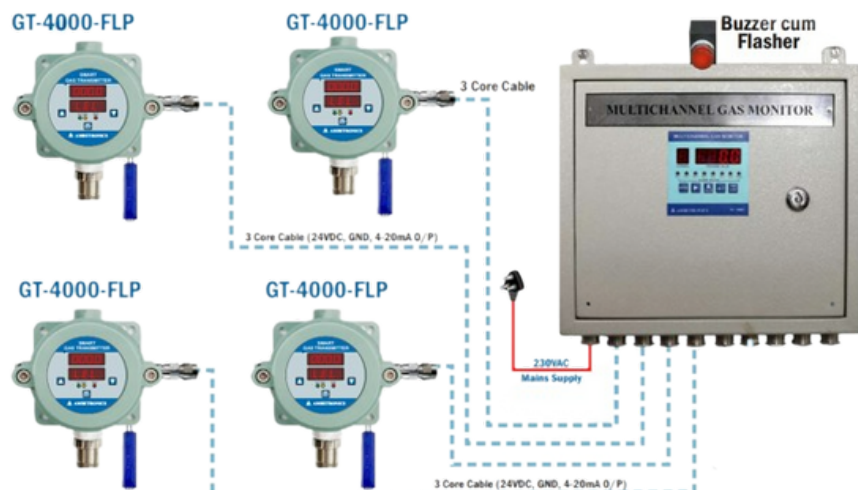
- CO Level Display
- Monitoring of CO level for burner efficiency
- Alarm output at 500ppm CO level.
- Safety shut-off of burner can be provided on alarm



## GAS LEAK DETECTION SYSTEM

Gas leak detection system is used in LPG Gas banks, near gas trains and Industrial/commercial kitchen areas.

The system detects gas leaks and trips the alarm and if required with safety solenoid valve cuts-off Gas supply.



# INDUSTRIAL BURNERS



**Ecoflam**

## APPLICATION:

OIL & GAS burners for shell and tube type steam boilers.

**Heat Load** : 1000KW/hr - 10,000KW/hr

**Boiler Capacity** : 1TPH - 15TPH

**fuel firing capacity** : 50- 900 kg/hr



# DUAL FUEL BURNERS

## APPLICATION:

OIL & GAS burners for shell and tube type steam boilers.

**Heat Load** : 1000KW/hr - 10,000KW/hr

**RANGE** : 1TPH - 15TPH

**fuel firing capacity** : 50- 900 kg/hr



# HIGH VELOCITY BURNERS



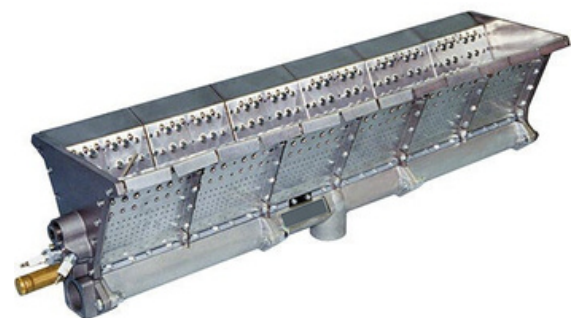
High velocity burner is used for high temperature applications above 800 deg. Celcius.

**Heat Load** : 30KW/hr - 500KW/hr

# DUCT BURNERS

Duct burners are used in hot air heater applications across a wide range of industries.

**Applications:** food and feed, paper, cement, minerals, gypsum, automotive, ceramics, textile and printing.





**Ecoflam**



**MADAS**<sup>®</sup>



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