

KATALOG BURNER PT ANUGERAH DWI PRATAMA



Ebico Combustion Equipment

Low Nox

<15mg/Nm³ less FGR
<30mg/Nm³ without FGR



Mono Block ES...GR(VIC) Ultra-low Nitrogen

Burner Capacity: 90kW - 9500kW

Boiler Capacity: 0.5t/h - 10t/h

Thermal Oil Furnace Capacity: 30 - 600 x (10⁴ kcal)

Fuel: Natural Gas, Light Oil, NG & Light Oil

Low Nox

<15mg/Nm³ less FGR
<30mg/Nm³ without FGR



Mono Block EC...GR(VIC) Low Nitrogen

Burner Capacity: 500kW - 24500kW

Boiler Capacity: 3t/h - 30t/h

Thermal Oil Furnace Capacity: 180 - 1800 x (10⁴ kcal)

Fuel: Natural Gas, Light Oil, NG & Light Oil

<30mg/Nm³ less FGR
<60mg/Nm³ without FGR



Mono Block ES...(D) Low Nitrogen

Burner Capacity: 110kW - 16500kW

Boiler Capacity: 0.5t/h - 20t/h

Thermal Oil Furnace Capacity: 10 - 1000 x (10⁴ kcal)

Fuel: Natural Gas, Light Oil, Heavy Oil, NG & Light Oil

Low Nox

<15mg/Nm³ less FGR
<30mg/Nm³ without FGR



Duo Block EC...GR(VIC) Low Nitrogen

Burner Capacity: 390kW - 98000kW

Boiler Capacity: 0.5t/h - 120t/h

Thermal Oil Furnace Capacity: 30 - 5000 x (10⁴ kcal)

Fuel: Natural Gas, LPG, Light Oil, HFO/Residual oil, NG & Light Oil,
Multi Fules of NG/Light Oil/HFO/Residual Oil

Ebico Combustion Equipment

Low Nox <30mg/Nm³ less FGR
<80mg/Nm³ without FGR



Duo Block EP...D Low Nitrogen

Burner Capacity: 85kW - 35000kW
Boiler Capacity: 1t/h - 40t/h
Thermal Oil Furnace Capacity: 30 - 3000 x (10⁴ kcal)
Fuel: Natural Gas, LPG, Light Oil, HFO/Residual oil, NG & Light Oil, Multi Fules of NG/Light Oil/HFO/Residual Oil

Low Nox <30mg/Nm³ less FGR
<60mg/Nm³ with FGR



Duo Block EC...V/EC...R Low Nitrogen

Burner Capacity: 390kW - 98000kW
Boiler Capacity: 0.5t/h - 120t/h
Thermal Oil Furnace Capacity: 300 - 5000 x (10⁴ kcal)
Fuel: Natural Gas, Light Oil, NG/Light Oil

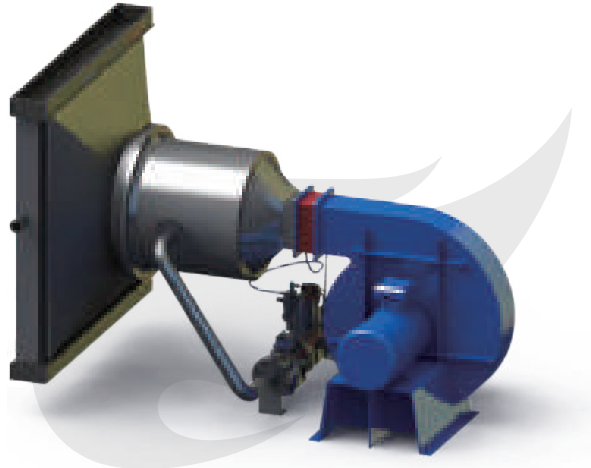
Safety **Low-Energy** **Low Noise** **Eco-Friendly**



Duo Block EC...R Asphalt Flue Gas Recovery Burner

Burner Capacity: 390kW - 39000kW
Asphalt Plant Capacity: 500 - 6000 Kg/Batch
Fuel: Light/heavy/residual oil, mixed oil, natural gas, liquefied gas, biogas, coke oven gas, etc. (separate design), gas/oil multipurpose, pulverised coal, gas/pulverised coal, oil/pulverised coal, gas/oil/pulverised coal

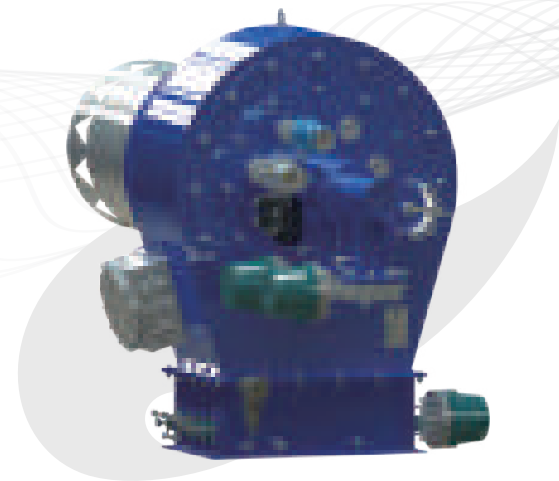
Ultra-low Nitrogen NOx < 9ppm



Mono Block EF...D Plane Cold Flame Ultra-Low Nitrogen Burner

Burner Capacity: 140kW - 33500kW
Boiler Capacity: 0.5t/h - 40t/h
Fuel: Natural Gas

Low Nox **Hydrogen**



Duo Block EC...HR (Hydrogen Burner)

Burner Capacity: 390kW - 98000kW
Boiler Capacity: 0.5t/h - 120t/h
Thermal Oil Furnace Capacity: 30 - 5000 x (10⁴ kcal)
Fuel: Hydrogen, H2/Natural Gas

Customized Burner



Duo Block ET Series Burner-Customized Burner

Burner Capacity: 390kW - 98000kW
Boiler Capacity: 0.5t/h - 120t/h
Thermal Oil Furnace Capacity: 300 - 5000 x (10⁴ kcal)
Fuel: Acid gas, chemical waste liquid, waste gas, catalytic waste gas, blast furnace gas, coke oven gas, mixed gas, hydrogen, biogas, waste oil, marine oil, aviation oil, etc.

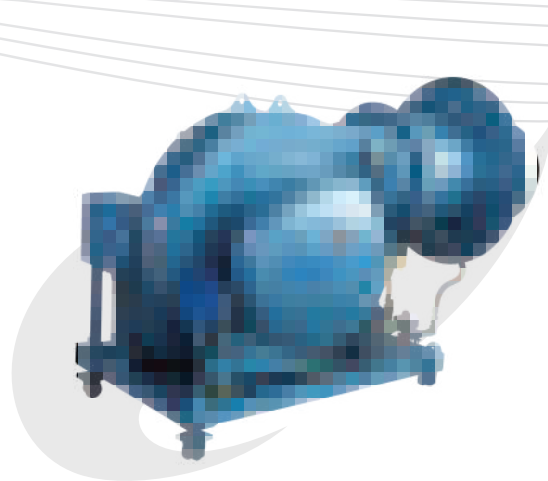
Energy -Saving **Noise Reduction** **Compact Design**



Mono Block EI Series Axial burners

Burner Capacity: 375kW - 31000kW
Asphalt Plant Capacity: 1000 - 5000 Kg/Batch
Fuel: Natural Gas/Light Oil/Heavy Oil
(Other non-standard fuels can be designed and customised according to customer requirements)

Low Nitrogen NOx<30mg/Nm³ NOx<50mg/Nm³
NOx<80mg/Nm³ NOx<120mg/Nm³



Mono Block EBS...D Series Centrifugal Low Nitrogen Burner

Burner Capacity: 415kW - 41500kW
Asphalt Plant Capacity: 500 - 6000 Kg/Batch
Fuel: Natural Gas/Light Oil/Heavy Oil
(Other non-standard fuels can be designed and customised according to customer requirements)

Ebico Combustion Equipment

Highly Efficient

Low-Energy

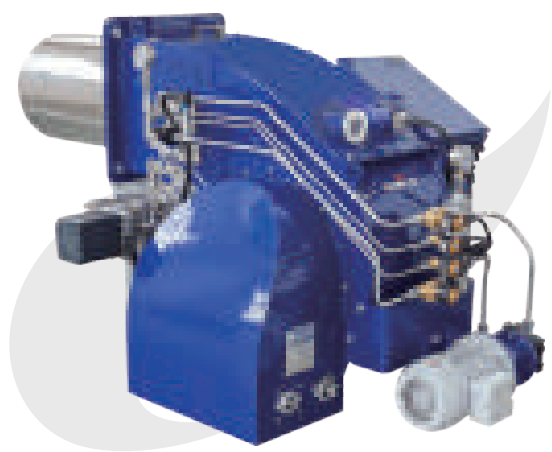


Duo Block EC...(C) Pulverized Coal Burner

Burner Capacity: 6800kW - 29500kW
Asphalt Plant Capacity: 1000 - 5000 Kg/Batch
Fuel: Pulverized Powder (Particle Size within 200mesh)

Noise Reduction

Wide Application



Mono Block ES Series Marine Burner (Light Oil)

Burner Capacity: 260kW - 9500kW
Boiler Capacity: 1.5t/h - 10t/h
Fuel: Light Oil

Air Supply System

We adopt CFD, Soildworks, UG, AUTOCAD, PDM and other industrial software for the working conditions and characteristics of burners and boilers, and tailor-made high-efficiency special fans for burners used in the Chinese market.

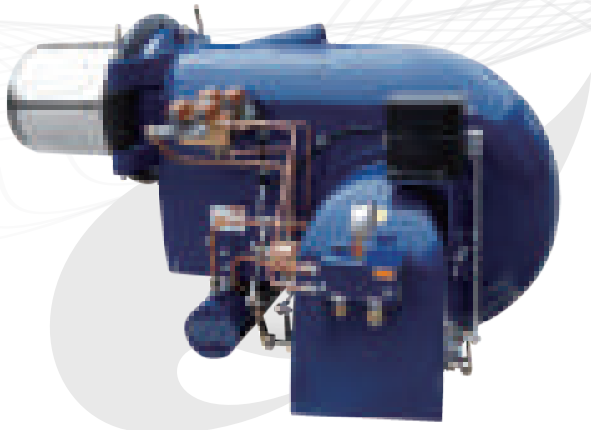
The design logic of this blower completely takes into account the flow field, application, stress, resistance, inclined street operation and maintenance, and other factors and working conditions, so that it can reach a perfect combination with the burner system, the blower structure is simple and fully functional.

The impeller is made of aviation aluminium plate grinding and pressing, with very high efficiency, the air inlet and FGR ratio are automatically controlled by electronic ratio, air inlet, silencer, and access door are standard, and each component adopts modular design and flange docking, which is convenient for transportation, installation, and maintenance. The fans are not only customised for burners, but also for boilers, industrial furnaces, asphalt mixing plants, dust extraction, cooling and other equipment and other areas.



Easily Operating

Safe & Efficient



Mono Block ES Series Marine Burner (Heavy Oil)

Burner Capacity: 175kw - 10467kW
Marine Boiler Capacity: 1.5T/h - 10T/h
Fuel: Heavy Oil

Highly Efficient

Energy Saving & Emission Cutting



Duo Block EP...(W) Waste Incineration Burner

Burner Capacity: 700kW - 29000kW
Incinerator Furnace Capacity: 1t/h - 40t/h
Fuel: Natural Gas, Light Oil, Heavy Oil, Waste Gas, Waste Liquid, etc.

Ebico Intelligent Cloud

- 1) Real-time monitoring to monitor the operation status of the equipment.
- 2) Failure Alarms: custom alarm rules, WeChat SMS email and other ways to send notifications.
- 3) Data Analysis: massive historical data storage and analysis, help troubleshooting and preventive maintenance.
- 4) Equipment Management: full life cycle management of equipment, work order system to track equipment maintenance, improve after-sales service satisfaction.



Ebico Combustion Equipment

Ebico Online Monitoring System

It can continuously monitor the concentrations and emissions of pollutants such as NOx, NO, particulate matter, O2, CO, CO2 in flue gas, as well as flue gas parameters such as temperature, pressure, flow rate and humidity.

Product Feature:

- Intelligent to achieve remote monitoring unattended.
- Through the wireless upload to meet and the Environmental Protection Agency and other monitoring departments network upload demand function
- Connection are using plug-in probes, installation of multi-door device

System Component:

- Particulate Matter Monitoring Subsystem
- Flue Gas Parameter Monitoring Subsystem
- Pollutant Monitoring Subsystem
- Data Acquisition and Control System
- Data processing and communication system
- Intelligent Monitoring System



Integrated Control System

The integrated control system is one of our earlier proposed and more advanced control modes today. It has been widely used in Europe and America. In some large-scale industries and enterprises with high requirements in our country, this concept of integrated self-control has been adopted. Its core idea is to integrate the individual control systems of boilers and burners together for unified programming and precise data-driven control. This control mode avoids the disadvantages brought by the original control methods, such as fragmentation, incompatibility, multi-point and multi-faceted manipulation, and uneconomic issues.

Control Classification:

- Burner Management System (BMS)
- Integrated boiler/burner control system
- Boiler Control System
- Distributed Control System (DCS)

Control Mode:

- Instrument control
- Electronic intelligent PLC control
- PLC intelligent control
- DCS control



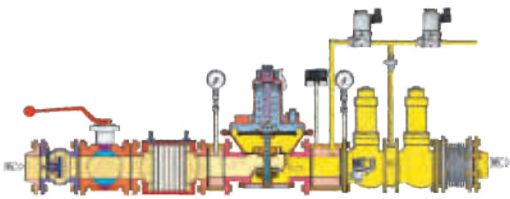
Ebico Gas Fuel Delivery System

Gas Regulator Valve

Ebico offers different gas pressure regulating valve assemblies that can be individually designed and matched according to different projects. The general supply includes manual shut-off valves, filters, pressure regulating valves, pressure reducing fittings and pressure gauges. The gas pressure regulating valve assembly has the characteristics of stable pressure maintenance, clean fuel gas, etc.

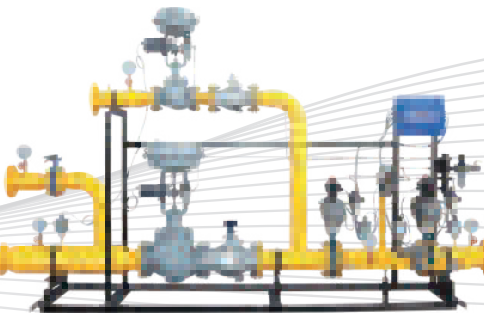
Gas solenoid valve set (including piping parts)

Ebico offers different types of gas valve sets, which include main fuel quick automatic shut-off valves, ignition fuel quick automatic shut-off combination valves, pressure controllers, and valve leakage detectors.



Gas Pneumatic Control Valve Sets (standard, non-standard, explosion-proof)

This valve assembly is suitable for all non-standard fuel gases (such as coke oven gas, coalbed methane, blast furnace gas, and generator gas) burners, explosion-proof burners or multiple burners that can share a gas supply valve. However, each burner needs to be configured separately with filters,



Ebico Oil Fuel Delivery System

Ebico offers light oil and heavy oil pumping units with matching filters, pumps and heaters (heavy oil), with the filters and pumps in a one-way or two-way, one standby, one-use design. The use of a two-way system ensures that the system does not need to be stopped for routine maintenance or in the event of a fault. The heavy oil can be heated with electricity, thermal oil or steam media to achieve the required viscosity for atomisation. Ebico offers safe valve sets for light and heavy oil models, quick automatic shut-off valves for fuel, quick automatic shut-off valves for atomising media, quick automatic shut-off valves for pipe and lance purging, pressure controllers, pressure gauges and temperature gauges (heavy oils only), and a modular design for quick and easy installation.

