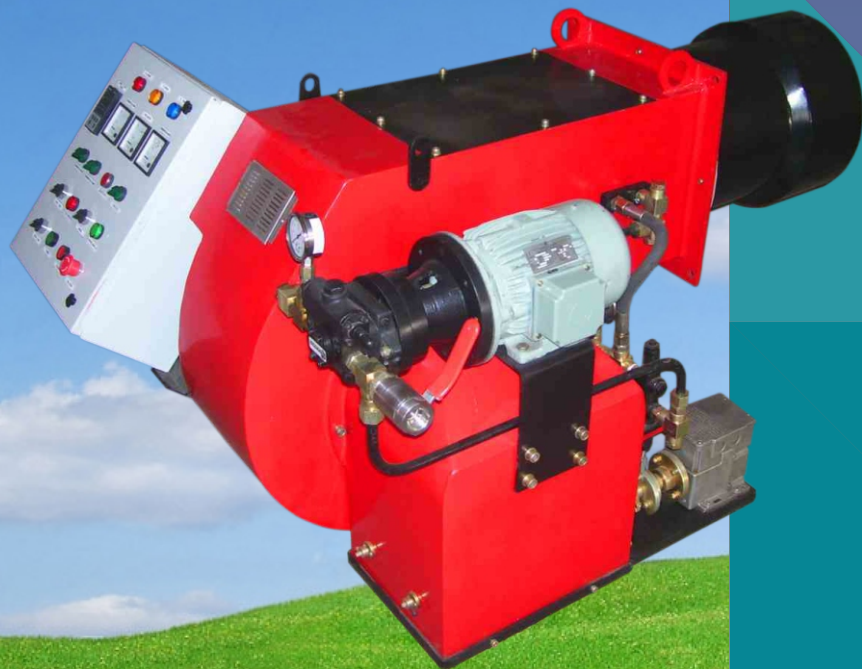




Burner^{India}

PRODUCT PROGRAM



www.burnerindia.in
www.burnerindia.com



Milestone

Burner India, established in the year 2001, by the efforts of Mr Vinesh Bhatia, BE (Mechanical), PGDM (Marketing). The company has its own manufacturing facilities at Mehsana and Ahmedabad (Gujarat), India, known as the highly industrialized zone of Indian industry. The company holds an ISO 9001:2015 certification, aiming to achieve high quality standards. It has a fully dedicated service staff to cater customer anywhere in India and abroad. The service team works on a 24X7X365 policy. Because of its excellent quality, express service, fair pricing and marketing policy, the company has made its presence very strong in the industry. The company is having almost 30 % rise in business ever Year.

Mission and Morales

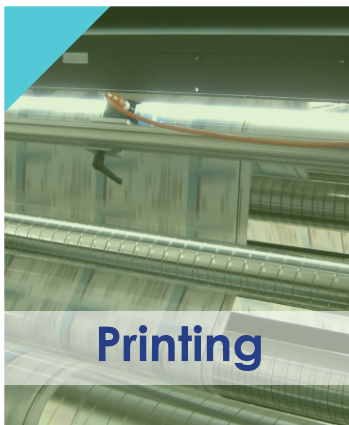
"You have right to perform your action, but you are not entitled to the fruits of the actions."

"Do not let the fruit be the purpose of your actions, and therefore you won't be attached to not doing your duty."

"Sermon by Lord Shree Krishna
In 47th verse in II nd chapter
of the HOLY BHAGAWAD GITA."

कर्मण्येवाधिवास्ते मा फलषु व्यदा चन
मा व्यसक्तस्तुभूमा ते भद्रोऽस्त्वकर्मणि

Applications Areas



SINCE 2001

For All Climates Around The World

Energy With Efficiency For the Environment

Oil, Gas and Dual Fuel Burners

Our oil, gas, and fuel burners are fully automatic, safe and reliable. The fundamentals of the design and manufacturing of the burners are economy, safety, services and environmental friendliness.

Construction

A housing of welded steel sheets / Aluminum die cast body with a surface finish with durable, high - gloss paint or powder coating is offered. The combustion head and diffuser disc, which are made from a stainless steel alloy, with stand a temperature of approx 1800° C. The flow of air in the combustion head is automatically controlled (optimization of the pressure loss at the combustion head) to achieve optimum combustion parameters thought the capacity range. The burner contains a side glass for the observation. An air damper assembly on the suction side of the fan automatically controls the fuel, together with the servo - motor / hydraulic mechanism, and air flows according to the requirement for optimization.

Suitable Applications

The burner are suitable for asphalt plants, warm and hot water boiler, steam boilers, hot air generators and various types of process heating equipments. They can be mounted in horizontal, vertical and upward - facing, or vertical and downward - facing orientation. The structure, material and enclosure class of the burners makes them run in the widest range of ambience.

Fuels.

Different fuel can be used depending on the burner models:

- Light Fuel oil, Viscosity 4 - 12 mm²/s, +20C
- Heavy fuel oil, viscosity Max. 250mm²/S, +50C
- Heavy Fuel oil, Viscosity Max. 450mm²/S, +50C
- Natural gas
- LPG
- Bio-Gas
- Wood Pellets
- Burner using other fuels are available on requirement.

Gas Equipment / Oil pipe Lining

The gas - related components of the gas and dual fuel burners comply with the standard EN 676. The oil piping is installed mainly in the burner, and includes one, two, three solenoid valves.

Flame Monitoring

All models are equipped with automatic flame monitoring. In oil burner models, flame monitoring is carried out by a photocell. In Gas / Dual burner models, It is carried out by an UV cell.

Control Devices

The burner control automation are assembled in a separate control cabinet, which contains a control Unit, lamps, the capacity controller and operating switches. The control unit automatically carries out all the function phases of the burner . In the event of a burner failure, the system automatically stops the burner. The modulating burner also incorporate a pre-installed capacity controller.

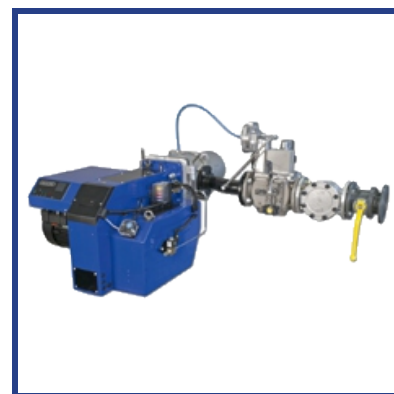
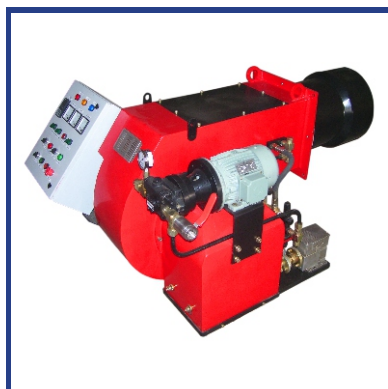
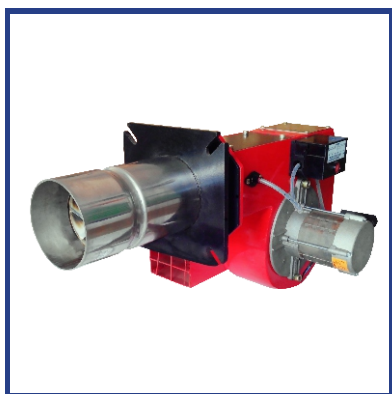
Accessories

Each of the fuel control valves and the air damper may be equipped with a servomotor (electronic Fuel / Air ratio control). Adjustable combustion head for fine perfect matching with different shapes of combustion chamber are available. Hi-Low version available with hydraulic system or electric servomotor with two nozzle.

Capacity Regulation Methods

All burners are ON-OFF / HI-LOW / Modulating are equipped with an air damper servomotor or Hydraulic mechanism.

Mono Block Series



- Aluminum casing /Steel casing with electrical switch cabinet integrated or in loosen form
- Adjustable combustion head for fine matching with different shapes of combustion chamber
- Gas pilot flame as option for higher capacities
- Hi - Low version with electrical servomotor with two nozzles or with three nozzles.
- Modulating version with PID system controller with digital set point display and real time value.
- Progressive or Modulating nozzle with flow return.
- Easy maintenance by hinge flange or by a sliding bar system
- Self cleaning filter
- Special version for any types of application and fuel features characteristics on request.
- Ring systems for oil preparation can be supplied on request.

Burner Technical Data

Model	BI - 0	BI - 1	BI-1EX1	BI-1EX2	BI - 2	BI - 3	BI - 4	BI - 6	BI - 7	BI - 8
Power Min (KW) Max	35 60	120 335	190 620	215 810	415 1305	600 1840	890 3145	1190 4510	1780 6525	2375 8070
Blower KW	120W	250W	1 HP	1 HP	2 HP	3 HP	5 HP	10/15 HP	15/20 HP	20/30 HP
Pump KW	N/A	----	----	----	1 HP	1.5 HP	2 HP	3 HP	3/5 HP	5/7.5 HP
Stages	1	1/2	1/2	1/2	2/3	2/3	2/3	2/3	2/3	2/3
Modulation	N/A	N/A	A	A	A	A	A	A	A	A

Asphalt Series

Asphalt Drum Mix



Asphalt Batch Mix



Asphalt Drum Mix



Specially Designed For Asphalt Industry

- Steel casing with electrical switch cabinet integrated or in loosen form
- Adjustable combustion head for fine matching with different shapes of combustion chamber.
- Hi - Low version available with electric servomotor with two nozzles or with three nozzles.
- Easy maintenance.
- Self cleaning filter.
- Special version for any types of application and fuel features characteristics on request.
- Ring system for oil preparation can be supplied on request.

Burner Technical Data

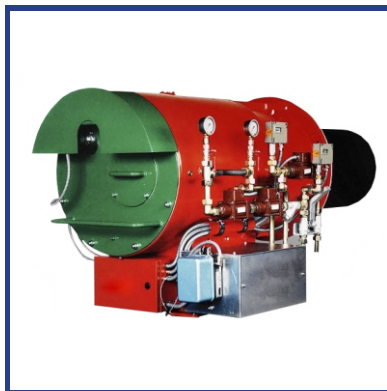
Model	BI - 2	BI - 3	BI-4	BI-6	BI - 7	BI - 8	BI - 10	BI - 12
Power Min	415	600	890	1190	1780	2375	7700	10675
(KW) Max	1305	1840	3145	4510	6525	8070	14235	19575
Blower	2 HP	3 HP	5 HP	10 HP	15 HP	20 HP	25 HP	30 HP
Pump	1 HP	1.5 HP	2 HP	3 HP	3 HP	5 HP	7.5 HP	7.5 HP
Stages	2/3	2/3	2/3	2/3	2/3	2/3	2/3/4	2/3/4
Modulation	A	A	A	A	A	A	A	A

Special Application Burner

Long Nose Burner



Bio-Gas



Multi Fuel

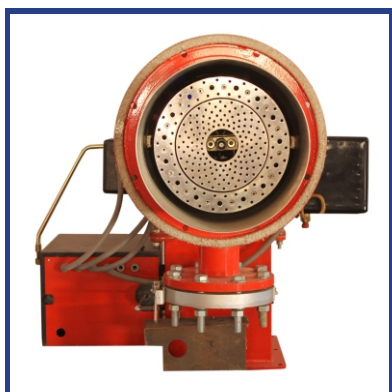


- Steel casing with electrical switch cabinet integrated or in loosen form
- Adjustable combustion head for fine perfect / matching with different shapes of combustion chamber.
- Gas pilot flame as option for higher capacities
- Hi - Low version available with electric servomotor with two nozzles or with three nozzles.
- Modulating version with PID system controller with digital set point display and real time value.
- Progressive or modulating nozzle with flow return.
- Easy maintenance.
- Special version for any types of application and fuel features characteristics on request.
- Ring system for oil preparation can be designed and supplied on request.

BURNER ACCESSORIES

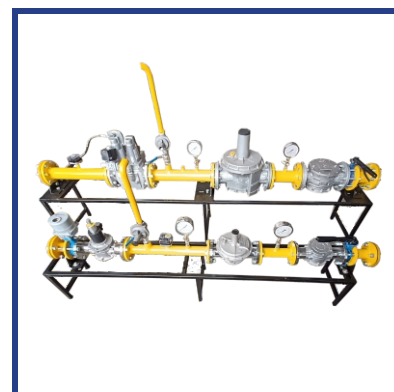


Duo - Block Series



Oil / Gas Burner

Dual Fuel Burner



Gas Train

- Aluminum casing / Steel casing with electrical switch cabinet integrated or in loosen form.
- Adjustable combustion head for fine perfect / matching with different shapes of combustion chamber.
- Gas pilot flame as option for higher capacities.
- Hi - Low version available with electric servomotor with two nozzles or with three nozzles.
- Modulating version with PID system controller with digital set point display and real time value.
- Progressive or modulating nozzle with flow return.
- Easy maintenance by hinge flange or by a sliding bar system.
- Self cleaning filter.
- Special version for any types of application and fuel features characteristics on request.
- Ring system for oil preparation can be designed and supplied on request.

Burner Technical Data

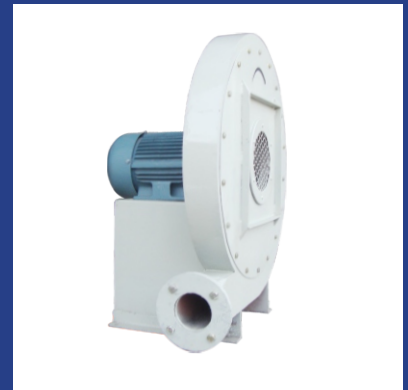
Model	BI - 2	BI - 3	BI-4	BI-6	BI - 7	BI - 8	BI - 10	BI - 12	BI - 15
Power Min	415	600	890	1190	1780	2375	7700	10675	17200
(KW) Max	1305	1840	3145	4510	6525	8070	14235	19575	32000
Blower	2 HP	3 HP	5 HP	10 HP	15 HP	20 HP	25 HP	30 HP	40 HP
Pump	1 HP	2 HP	2 HP	3 HP	3 HP	5 HP	7.5 HP	7.5 HP	7.5 HP
Stage	2/3	2/3	2/3	2/3	2/3	2/3	2/3/4	2/3/4	2/3/4
Modulation	A	A	A	A	A	A	A	A	A

Air Blower



Exhaust Blower

FD Blower



High Speed

Our range of Blower & fans - Both centrifugal and axial - flow, is the widest available.

Types Available

- Axial Blowers
- Backward Curved Blade Blowers
- Backward Inclined Blade Blowers
- Centrifugal Blowers
- Forward Curved Blade Blowers
- Radial Blade Blowers
- Radial Tip Blade Blowers

Features

- Easy Maintainability
- Low Power Consumption
- Low Noise
- High Efficiency
- Customize Drive Arrangements
- Customize Discharge Directions

Application area

- Burner - Boiler and Furnaces
- Fly Ash Handling
- Fume Extraction Systems
- Industrial Air Handling Units
- Industrial Cooling & Refrigeration Systems
- Industrial Drying
- Industrial Dust Collection
- Industrial Furnaces
- Industrial Ovens
- Industrial Pneumatic Conveying
- Industrial Vacuum Cleaning Systems
- Industrial Ventilation

Thermic Fluid Heater



Product Features

- High Capacity Heating System
- Multi - Fuel Option Oil and Gases
- Automatic Temperature Control
- High System Efficiency
- Large IN-Bed & Convective Heat Transfer Area
- Horizontal Unit also Available
- Pre - Wired for ready Start
- Compact De - aerator cum Expansion Tank

Description		BITH 01	BITH 02	BITH 04	BITH 06	BITH 10	BITH 15	BITH 20	BITH 25
Heat Output	Kcal/Hr	1X10 ⁵	2X10 ⁵	4X10 ⁵	6X10 ⁵	10X10 ⁵	15X10 ⁵	20X10 ⁵	25X10 ⁵
Fluid Flow	LPH	7	10	26	30	60	90	120	150
T/F Pump motor	KW	3.75	5.5	9.4	11.3	15	22.5	22.5	22.5

Burner Hi - Low Or Step - Less

-HSD	LPH	10	24	45	70	115	175	230	290
-LPG	Nm ³ /Hr	4	10	19	28	47	70	95	118
-NG	Nm ³ /Hr	12	30	55	83	139	208	277	350
Fuel Pump Motor	kw	0.37	0.37	0.37	0.37	0.75	0.75	0.75	0.75
Blower Motor	kw	0.75	1.5	1.5	2.25	3.75	5.63	5.63	5.63
Pre-Heater-FO	kw	----	3.0	3.0	6.0	9.0	9.0	9.0	9.0
Length	mm	1200	1500	1700	2500	2750	3000	2350	2600
Width	mm	1000	1000	1200	1500	1750	2000	2600	2800
Height	mm	1500	1500	2200	2500	3000	3700	5000	5600
Dry Weight (App)	Kgs.	750	1000	1800	2500	3500	5000	7200	8900

Bio Mass Pellet Burner



Green Burner

Industrial Burner



Burner Stove

Pellet Burner is offered as an option for FO, Diesel or Gas based system, burning solid Bio- Fuel such as wood pellets, which is economical carbon neutral clean and sustainable fuel. Ideal for large scale cooking as well as industrial application. Pellet Burner is equipped with automatic control mechanism to work according to the system requirement and provide real time data for monitoring. It is a perfect alternative to the costly diesel and gas based system.

Advantages

- Solid Bio - Fuel based system
- Economical
- Carbon Neutral
- Clean & Suitable
- Automatic Control Mechanism
- PLC Based Real Time Data / Control
- Perfect Alternative to Costly
- Diesel and Gas Based Systems
- Self Ignition
- Auto Temperature Control
- Flame Detector With Alarm System
- Fuel Level Indicator
- Fuel Consumption Monitoring
- Auto Ash Removal
- PLC Based Control Panel With HMI / Touchscreen

Specification

Particular	Capacity	Fuel Feeding	Power
Unit	Kcal / Hr	Kg / Hr	HP
IB 100K	1,00,000	25	0.5
IB 150K	1,50,000	35	1.5
IB 200K	2,00,000	50	1.5
IB 300K	3,00,000	75	2.5
IB 400K	4,00,000	100	2.5
IB 500K	5,00,000	125	2.5
IB 600K	6,00,000	150	3.5
IB 800K	8,00,000	200	4
IB 1000K	10,00,000	250	5
IB 1200K	12,00,000	300	6
IB 1500K	16,00,000	375	6
IB 2000K	20,00,000	450	7

Burner Management Systems

Advanced Burner Management & Combustion Control System



PLC Based Control System

Secure Burner management logic with independent control loop processing for combustion control

Color Touch Screen Interface

- Setup, turning and fuel / Air ration adjustment available through password protected screen.
- Easy and fast operator adjustment with a complete view of all system information.
- Full color display of critical startup data including flame scanner status, purge, pilot and fuel status.
- Pre - Wired and ready to install.
- Alarm Lights
- Reset Push buttons
- E-stop (Emergency) button
- Burner On / Off selector Switch
- Remote monitor
- VPS (Valve Proving System) capability Via flame safeguard control
- Hand / Auto / Low flame hold facilities
- Twin burner and multi burner control capabilities option and parameters.
- IR coms port for upload / Download of commissioned data
- Internal calender clock display and logging functions.

Linkage less Burner Management System

Completely integrated burner control with fully modulating flame safeguard from a single source
Integrated Fuel - air ratio control system with single or dual - Fuel application 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 activator ensure precise control
Unmatched repeatability and proven 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 fault allowing fast response to trouble conditions
Integrated PID Temperature / Pressure Controller with auto tune for
Extremely accurate control VFD control with actual motor RPM speed sensor provides reliable, Efficient and safe control of the combustion air blower

Hydraulic Power Pack



Our wide range of Hydraulic Power Pack

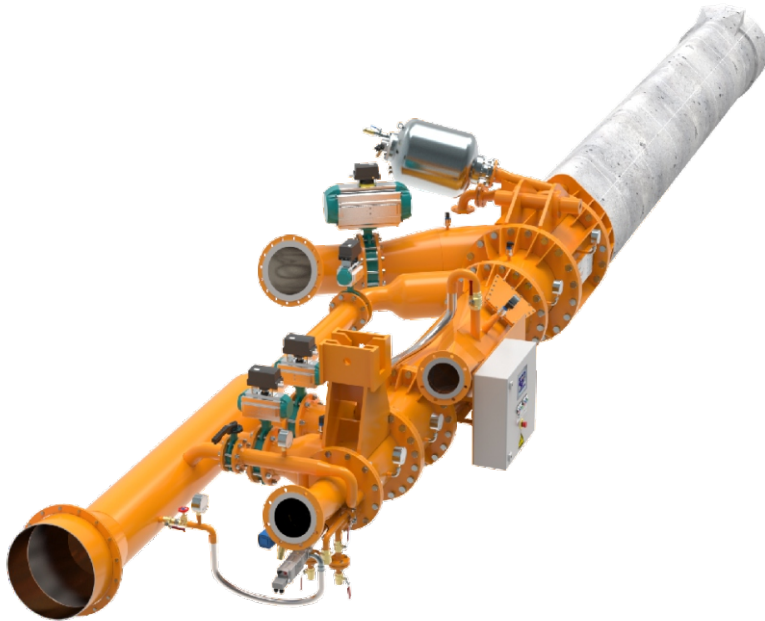
Features

- TEFC Motor:0.5-50 HP, 1/3Phase
- Direction Control Valve
- AC/DC Coil
- Block designed as per requirement
- Pressure Relief Valve
- Hydraulic Pump range
- Level Gauge, Strainer and Filter Breather
- Oil tank, with drain plug
- Rain protection cover
- Cylinder as per custom requirement

Application area

- Plastic Machinery
- Road Construction
- Fly Ash Handling
- Fume Extraction Systems
- Industrial Air Handling Units
- Industrial Cooling & Refrigeration Systems
- Industrial Drying
- Industrial Dust Collection
- Industrial Furnaces
- Industrial Ovens
- Industrial Pneumatic Conveying
- Industrial Vacuum Cleaning Systems
- Industrial Ventilation

Other Product Program



We Deal In Burner



We Deal In Burner`s Parts





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