Continental Thermal Engineers Pvt. Ltd. is one of the leading suppliers of turnkey combustion solutions in India. We manufacture products under the Contitherm brand name. This includes burners for a wide range of applications and for use with different types of fuels. Our range of supply includes essential accessories that go with burners such as blowers, pumping/heating units, valves, recuperators and pre-assembled gas trains. We also specialize in supplying fully automatic and state of the art Combustion Systems with a dedicated Burner Management System.

Since its inception in 1990, our company has supplied to a wide range of customers in Private and Government sectors. Our products are being used across the country and abroad for a variety of applications. Being time tested for quality & workmanship, our products provide complete peace of mind to our customers. In addition to this, our after sales support team is always ready to help out with any issues that the customer might face.

Continental's hallmark is the timely supply of high quality equipment. Today, Continental is the first call for Rolling Mills, Heat Treatment plants, Forging and Foundry industries and other industries such as - Chemical, Ceramic and Glass.
As the leading manufacturer of Burners in India, Burner design and manufacturing are Continental’s forte. We help customers decide on the right kind of burners and the other required accessories to suit the specific requirement. Our design ensures trouble-free operation and is best in its class with respect to fuel efficiency. This in turn ensures that there is maximum heat output, low emission of pollutants and minimum maintenance.

**Oil Burners**

**Burner Model:**
- 52
- 62
- 514
- 523

**Fuels:**
- HSD, LDO, Kerosene, Pyro oil
- HSD, LDO, Kerosene, Pyro oil,
  - Furnace Oil
- HSD, LDO, Kerosene,
  - Furnace Oil
- HSD, LDO, Kerosene

**Capacity range (kCal/h):**
- 62,000 – 9,80,000
- 1,32,000 – 3,53,000
- 1,00,800 – 12,09,600
- 3,75,000 – 54,90,000
- 15,000 – 108,900
Gas Burners

Continental supplies a wide array of Gas Burners suitable for operation with gases like LPG, Natural Gas (PNG, CNG), CBM, Producer Gas, Blast Furnace Gas, Coke Oven Gas and Biogas. These burners come in various sizes according to the heat capacity requirement of the customer.

<table>
<thead>
<tr>
<th>Burner Model</th>
<th>Fuels</th>
<th>Capacity range (kCal/h)</th>
</tr>
</thead>
<tbody>
<tr>
<td>42</td>
<td>LPG, Natural gas, producer gas, blast furnace gas, biogas</td>
<td>48400 - 1090000</td>
</tr>
<tr>
<td>414</td>
<td>LPG, Natural gas, producer gas, blast furnace gas, biogas</td>
<td>3,75,000 – 54,90,000</td>
</tr>
<tr>
<td>423</td>
<td>LPG, Natural gas</td>
<td>15000 – 108000</td>
</tr>
<tr>
<td>635</td>
<td>LPG, Natural gas</td>
<td>32000 - 403000</td>
</tr>
<tr>
<td>CPG</td>
<td>Producer gas, Coke oven gas</td>
<td>252000 - 1260000</td>
</tr>
</tbody>
</table>
In applications requiring customization in constructional features, Continental supplies specially designed burners to suit the customer’s needs. We also supply regenerative type burners, burners suitable for high pre-heated air temperature and Compressed Air Atomized Burners.
BLOWERS

Continental blowers are the result of continuous improvements and an energy efficient design philosophy. Our robust design and sturdy build ensures that noise levels are maintained at a minimum while offering supreme performance. The impellers are dynamically and statically balanced to ensure minimum vibration. We manufacture centrifugal fans, axial flow fans, plug type fans, turbine blowers and twin lobe compressors. Our blowers are offered for 16 different discharge orientations.

Operating Range

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Volume</td>
<td>4 to 3000 m³/min</td>
</tr>
<tr>
<td>Pressure</td>
<td>25 to 2500 mm WG</td>
</tr>
<tr>
<td>Motor Power</td>
<td>0.25 to 400 HP</td>
</tr>
<tr>
<td>Type of drive</td>
<td>Direct, V-belt, Coupling</td>
</tr>
<tr>
<td>Stage</td>
<td>Single and Double</td>
</tr>
</tbody>
</table>

Applications

- Induced Draft Fans
- Combustion Systems
- Pollution Control System
- Water Treatment Plants
- Pneumatic Conveying
- Re-Circulation Fans
- Turbine Blower
In order to ensure an uninterrupted supply of oil to burners for round the clock operation, we offer oil pumping and heating units as per specific customer requirements. Our units are well laid out and compact to ensure supply of oil at a preset temperature and pressure. Stringent checks and in-house quality standards make sure that our units are totally leak proof and ready in all aspects for heavy duty operation.

These units are supplied in various capacities depending on the amount of oil they have to pump and preheat. Generally the capacity is expressed in terms of the kilowatt rating of the electric oil pre-heater. Continental pumping and heating units are available from 2 kW to 48 kW as standard models and up to 300 kW as made to order units.

- Simplex Pumping Unit (PU)
- Simplex PU with Simplex Heating
- Duplex PU
- Duplex PU with Simplex Heating
- Duplex PU with Duplex Heating
- Duplex PU with Triplex Heating
- Pumping and Heating unit with horizontal heaters
Apart from Oil pumping and heating units, Continental manufactures the entire gamut of products required for Oil handling and storage.

Storage Tank

Outflow Heater

Pumping & Heating Unit

A typical layout of Oil Handling System
We manufacture a wide variety of valves for flow control and regulation. The high quality finish and in-house testing ensures that the valves are completely leak proof. We offer manually operated as well as motorized/pneumatic valves.

### Oil line valves
- Microtrol, Ratiotrol
- Adjustable port valves
- Constant pressure valve (down stream)
- Pressure regulating valve (upstream)
- Solenoid valve

### Air line valves
- Screw type Butterfly Valve (SBV)
- Wafer style Butterfly valve
- Pneumatically operated valve
- Motorized valve

### Gas line valves
- Limiting Orifice Valve (LOV)
- Air Gas regulator (AGR)
- Adjustable Port (AP) valve
- Gas pressure regulator
- Gas solenoid valve

### Combination valves
- Air and oil valve
- Air, oil and gas valve
- Air and gas valve
In order to provide complete ease of use to the customers, Continental offers a host of Burner Management Solutions that are tailor made to the customer’s specific requirement.

These systems incorporate multiple features such as Auto Ignition, Flame Monitoring, Auto Temperature Control and have in-built safety options that make sure that operation is completely smooth.

- **Burner Management System (BMS)**
- **Motor Control Center (MCC) panel**
- **BMS cum MCC panel**
- **PLC based panels with HMI/SCADA**
GAS TRAINS

Continental offers exclusive gas trains for use with gas based combustion systems. These pre-piped Gas Trains are manufactured in well-designed layouts and ensure metered flow of gas at the optimum condition for efficient burner performance. This also helps improve fuel efficiency.

RECUPERATORS

Continental Recuperators help recover waste heat from flue gases and thereby reduce fuel costs and emissions. This improves the overall operational efficiency.
CUSTOM MADE PRODUCTS

Continental offers specialized solutions that can be made to order as per specific requirements.

Our customer centric approach in designing products helps in a seamless integration with the application environment.
Chennai Office:
9 B, Developed Plots, 1st Cross Main Road,
Sector-3, Industrial Estate (North),
Ambattur, Chennai - 600 098, India
Phone: +91-44-26254266, 26259988

Mumbai Office:
A-214, Hallmark Commercial Complex,
(Near Nirmal Lifestyle), L.B.S. Marg,
Mulund (W), Mumbai - 400 080, India
Phone: +91-22-25610973, 25931845

E-mail: info@contitherm.com  Website: www.contitherm.com