Radiant Gas Brooder

Global Presence - Local Commitment

Feeding  Drinking  Climate  Housing
Direct Spark & Pilot Ignition Brooders

General Features

- Saves fuel and reduces maintenance
- Unique 60° angled stainless steel insulated emitter - larger surface area efficiently delivers heat directly to the birds
- Enclosed insulation will not crumble or distort
- Built with heavy duty corrosion resistant materials
- Low maintenance
- Unique quick adjust - low profile hanging bracket - raises the brooder closer to the roof when not in use
- Aluminium canopy - maximises downward heat effect
- Corrosion resistant stainless steel burner assembly
- Durable stainless steel gas pipe from the gas valve to the main burner
- Propane and Natural Gas

Direct Spark Ignition Brooder
02380090 - SRB40CRE #5

- Save fuel - up to 22 litres LPG every 24 hrs per 14 Brooder house compared to pilot brooders
- 24v power supply (230v Optional)
- Wash down friendly - Water resistant valve with potted electrical connections.

Pilot Ignition Brooder
02380091 - SRB40CRE #9

- Electrical supply not required
- Integrated gas valve and thermostat
- Low maintenance stainless steel pilot assembly

Maintenance Friendly

The main burner jet is quickly accessed by sliding back the quick release bracket shown above. Sparks to directly light the burner. No standing pilot to clog up, blow out or wasted fuel.

Patented WindBuster™ Pilot

The Wind Buster Pilot System not only enhances flame stability but provides dependable ignition for virtual trouble-free operation, even with speeds up to 7 mph (11.2 km).
### Specification Guide

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
</table>
| **Input rating**              | 11.7 kW  
40,000 btu                        |
| **Stock capacities:**         | **Boilers**  
2000 - 3000  
1500 - 2000  
750 - 1000  
750 - 1000  
1500 - 2000  
**Pullets**  
2000 - 3000  
1500 - 2000  
750 - 1000  
750 - 1000  
1500 - 2000  
**Turkeys**  
750 - 1000  
750 - 1000  
1500 - 2000  
**Ducks**  
750 - 1000  
750 - 1000  
1500 - 2000  
**Pheasants**  
750 - 1000  
750 - 1000  
1500 - 2000  |
| **Mounting height**           | 1520 mm - 1830 mm  
(60 in - 72 in)                        |
| **Brooder spacing**           | (Maximum)  
12.2 m ............ 40 ft                        |
| **Reflector diameter**        | 890 mm ............ 35 in                        |
| **Brooder height**            | 460 mm ............ 18 in                        |
| **Brooder weight**            | (Approximate)  
12.0 kg ............ 26 lbs                        |
| **Shipping weight**           | (Approximate)  
18.0 kg ............ 39 lbs                        |
| **Gas consumption**           | (Maximum Full Heat)  
Per hour  
Propane  
0.43 GPH  
0.88 kg/hr  
Natural  
0.40 Therm  
1.15 m³/hr  |
| **Minimum clearance**         | Side  
915 mm ............ 36 in                        |
| **To combustibles**           | Below  
1220 mm ............ 48 in                        |
| **Top**                       | 460 mm ............ 18 in                        |
| **Ventilation Requirement**   | Refer to Installation Instructions          |

### Ancillary equipment

<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Supply pressure</strong></td>
<td><strong>Burner setting</strong></td>
</tr>
<tr>
<td>to heater</td>
<td>pressure</td>
</tr>
<tr>
<td>Natural Gas</td>
<td>12 m/bar to 35 m/bar</td>
</tr>
<tr>
<td>Propane Gas</td>
<td>37 m/bar to 50 m/bar</td>
</tr>
</tbody>
</table>

**Note:** Details of gas characteristics and supply pressure to be advised by customer

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<th><strong>Ancillary equipment</strong></th>
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</tr>
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<tr>
<td>Gas Hose - Standard</td>
<td>3.0 m ...... 10 ft</td>
</tr>
<tr>
<td>Gas Tap</td>
<td>(R3/8) ........ 3/8 in BSP external</td>
</tr>
</tbody>
</table>

### 60° Emitter Angle Optimises Heat Pattern

The unique 60° Emitter Angle is specifically designed to aim the radiant heat directly at the birds where it’s needed most.

### Radiant Heat V.S. Forced Air

Radiant heat helps keep the litter area dry and warms the birds directly, saving fuel.

### Enclosed Emitter Assembly

The enclosed insulation will not crumble or distort and is designed to withstand the tough operating conditions found in poultry houses.

The unit features a 3-year limited warranty.

Space heaters force the heated air to the upper areas of the house first, then to the floor area.