TERMOKAT CATALYTIC GAS HEATERS

Description
Cost-effective TERMOKAT heaters were designed, which are reliable and durable under service conditions.

Technical specifications

<table>
<thead>
<tr>
<th>Performance</th>
<th>TERMOKAT-1</th>
<th>TERMOKAT-2</th>
<th>TERMOKAT-3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fuel</td>
<td>Propane-butane mixture</td>
<td>Natural gas</td>
<td></td>
</tr>
<tr>
<td>Rated power [kW]</td>
<td>2.7</td>
<td>1.4</td>
<td>1.4</td>
</tr>
<tr>
<td>Gas flow rate [g/h]</td>
<td>210</td>
<td>120</td>
<td>120</td>
</tr>
<tr>
<td>Radiation surface [m²]</td>
<td>0.12</td>
<td>0.025</td>
<td>0.025</td>
</tr>
<tr>
<td>Weight [kg]</td>
<td>6.8</td>
<td>4.2</td>
<td>4.2</td>
</tr>
<tr>
<td>Heater dimensions [mm]</td>
<td>630×380×110</td>
<td>370×200×110</td>
<td>370×200×110</td>
</tr>
<tr>
<td>Catalyst</td>
<td>Fiber-substrate oxide catalyst</td>
<td>Ceramic-substrate oxide catalyst</td>
<td></td>
</tr>
<tr>
<td>Duration of catalyst operation [h]</td>
<td>4000</td>
<td>4000</td>
<td>4000</td>
</tr>
</tbody>
</table>

TERMOKAT catalytic hoods

Technical appraisal and economic benefits
- environmentally appropriate fuel incineration;
- high available-heat factor (up to 100 %).

Application area
Heating of working and living quarters: garages, hothouses, apartment houses, cottages, etc.

Development stage
Commercial production of the heaters was launched in Novosibirsk.

Patent situation
Patents were granted in the Russian Federation (1992, 1994, and 1995).
**Commercial offers**
Sale of licenses.
Joint production.
Catalyst supply.

**Estimated cost**
Price is to be negotiated.

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