Thermal Fluid
electric Heater

CE LINE Electrical Heaters

P.I. Santiga, Av. Castell de Barberà 31 08210
BARBERA DEL VALLES – Barcelona, Spain

E-mail comercial@pirobloc.com
Web www.pirobloc.com
Phone. 34 937 189 064
**Characteristics**

- Powers from 8 to 2500 kW
- Design codes: AD-2000
- Marked CE
- Low density: 3 W/cm²
- Official test pressure: 14 bar
- Operating pressure: 7 bar
- Design temperature: 400°C
- Maximal operating temperature: 350°C
- Separate connection box
- 100% efficiency

**Applications**

- Research Centers
- Universities
- Solar Energy
- Mining
- Presses
- Reactors
- Heating asphalt/bitumen
- Storage tanks
- Paintings
- Plastic and rubber
- Oils and fats
- Drying processes
- Evaporators
- Distillation columns
- Flexography and rotogravure
- Etc

**Options**

- Control with PLC
- Heating of presses
- Reduced thermal charge
- Explosion-proof execution
- Communication to PC
- Pressurized expansion tank
- Operating temperature till 400 ºC
- Power adjustment 0-100% through SSR
- ASME design
- Hot water

**Electrical heater scheme**

1. Electrical resistances
2. Electric panel
3. Recirculation pump
4. Filled/drained pump
5. Gas collector bottle
6. Interruption valve
7. Filter
8. Outlet flange
9. Flange of return
10. Expansion tank flange
11. Resistance body with heat insulation
12. Security valve
13. Platform

**Model** | **Calorific power**
--- | ---
 | kcal/h | kW *
--- | --- | ---
CE-25 | 21.500 | 25
CE-50 | 43.000 | 50
CE-100 | 86.000 | 100
CE-200 | 172.000 | 200
CE-500 | 430.000 | 500
CE-1000 | 860.000 | 1000
CE-2500 | 2,150.000 | 2500

*Another powers under request.
Main dimensions

1 Electrical resistance  
2 Thermowells  
3 Thermal fluid outlet connexion  
4 Lyre sweep  
5 Security valve connexion  
6 Thermal fluid inlet connexion

<table>
<thead>
<tr>
<th>Id</th>
<th>Resistances</th>
<th>Approximate measures (mm)</th>
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The manufacturer reserves the right to modify the dimensions according with execution drawings.
Multiple arrangements