Cintramax® CE

CE approved according to EN 12101-2:2003
and in conformity with NBN S21-208
General product description

The Cintramax® CE consists of two galvanised scissors systems, mounted on the inside of the curb. The mechanical parts are protected through a galvanised covering piece. The system functions according to the principle of natural ventilation by convection of hot air. It also provides protection against the sun and the rain thanks to the umbrella system. This is an appliance, which permits to combine the aesthetical aspect and the characteristics of light transmission, sound and thermal insulation, smoke and heat extraction and daily ventilation of the barrel vault. The Cintramax® CE meets the European norm EN12101-2:2003 and is CE certified.

The Cintramax® CE opening part can be used with a length of 2 running meter in Cintralux® GRP and Cintralux® Alu barrel vaults with a daylight size of 1,5 to 4m width, and with a length of 3 running meter up to a daylight size of 1,5 to 3m width. It is opened and closed by two 24V actuators, operated by a Skycom® CE control unit OR two double operating pneumatic cylinders operated by a pneumatic control cabin. By the use of the Skycom® master CE detection unit combined with a Skycom® slave CE OR by the use of a CO₂-cartridge with fusible link, the positive safety is guaranteed and the Cintramax® CE meets the NBN S21-208.1-3 norm. For daily ventilation, the Cintramax® CE can be opened and closed continuously. Smoke hatches must be closed when the wind load exceeds 6 m/s (this can be detected with a wind detector).

Advantages

- A combination of aesthetical aspect and light transmission, sound and thermal insulation
- The actuator is not hung lower than a curb of 30 cm
- Continuous light transmission on full length assured
- Execution with thermal break possible
- Insulation value up to $U_g 0,9 \, \text{W/m}^2\cdot\text{K}$
- Broof t1 combination possible

Specific characteristics opening system

<table>
<thead>
<tr>
<th>Type</th>
<th>Cintramax® CE electric</th>
<th>Cintramax® CE pneumatic</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scissors system</td>
<td>System height</td>
<td>System height</td>
</tr>
<tr>
<td></td>
<td>actuator included : 30 cm</td>
<td>cylinder included : 30 cm</td>
</tr>
<tr>
<td>Functioning</td>
<td>24 V</td>
<td>minimum 9 bar and maximum 10 bar</td>
</tr>
<tr>
<td>Aerodynamic coefficient</td>
<td>0,5 to 0,6</td>
<td>0,5 to 0,6</td>
</tr>
<tr>
<td>U-value</td>
<td>Same execution Cintralux®</td>
<td>In function of the sizes</td>
</tr>
<tr>
<td>Nominal power</td>
<td>4 A (per actuator)</td>
<td>Same execution Cintralux®</td>
</tr>
<tr>
<td>Density</td>
<td>IP54</td>
<td>barrel vault of your choice</td>
</tr>
</tbody>
</table>

Specific characteristics detection unit

**Cintramax® CE electric**
- Skycom® CE master

**Cintramax® CE pneumatic**
- Metal cabin lacquered in RAL 7032

### Operating temperature
- **Cintramax® CE electric**: -15 °C to + 60°C
- **Cintramax® CE pneumatic**: -20 °C to + 50 °C

### Outgoing current / Operating pressure
- **Cintramax® CE electric**: 8 A
- **Cintramax® CE pneumatic**: dry air, filtered, oilfree
- **Cintramax® CE pneumatic**: operating pressure: 9 à 10 bar

### Characteristics
- Power supply 230 V AC
- SHE & comfort operation
- Battery back-up 72h
- Weight 7.5 kg
- Colour RAL 9003
- Reverse valve with automatic ventilation, provided with an electromagnet on 24 V (impulse on the 'open' valve)
- Pressure regulator with filter and condensation catcher
- 3 transit screws 4/6
- All necessary cables and wiring in the cabin
- The cabin is ready for connection
- 3x open/close after power failure

### Positive safety
- Skycom® CE slave CE with in-built detection 75°C
- Fusible link 68°C by CO₂ cartridge

### Options
- Fire push button
- Priority switch
- Smoke detector
- Temperature detector
- Ventilation push button
- Wind and rain detection
- Wind and/or rain detection
- Compressor
- Pressure vessel

### Sizes
- WxHxD 286x238x113mm
- For 1 to 2 zones: WxHxD 380x300x155mm
- For 3 to 4 zones: WxHxD 500x500x210mm
- For 5 zones: WxHxD 600x600x210mm
Attention: the CE certification is only valid if the composition, execution and the installation regulations are respected. AG.Plastics guarantees the CE conformity as described in the documentation and according the plant regulations of the appliances. Every variance, cancels the CE conformity.

Attestations, certificates and documentation

- CE according to the SHE norm EN12101-2:2003
- CE of the Skycom® master CE and Skycom® slave CE detection unit according to EN 12.101-(9)/10
- NBN S21-208-1-3
- DoP through www.cintramax.be
- Installation instructions through www.cintramax.be