Components

Lump Breaker

The main function of the Claudius Peters Lump Breaker is crushing of lumps which have formed, for instance, due to hydration in silos or bins.

A horizontal or vertical type lump breaker is available and is used in the discharge area in front of the discharge equipment, for example flow control gates.

A rotor with crushing arms arranged radially and displaced on the shaft, draws the lumps against a grate where it crushes the lumps.

The operational safety of the Claudius Peters Lump Breaker is ensured by an optional overload cut-out with reversing duty. This is realized by an integrated control board.

Advantages of the Claudius Peters Lump Breaker MH and MV

- Mass flow of cement up to 1000 t/h
- Available for all aeroslides and silo outlets
- Designed for high material temperatures up to 180 °C
- Low energy consumption 0,75 kW at 25 min-1
- Rotor and grate insert designed for disagglomeration of lumps up-to a size of 40mm
- Easy maintenance
- Integrated rotary speed sensor
- Optional switchboard for integrated overload detection and reversing control

Detail of breaker and grid
Lump Breaker

Lump Breaker MV (vertical)

Lump Breaker MH (horizontal)

Table of sizes [mm]

<table>
<thead>
<tr>
<th>Vertical type MV</th>
<th>Horizontal type MH</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>250</td>
</tr>
<tr>
<td></td>
<td>300</td>
</tr>
<tr>
<td>400 x 400</td>
<td>350</td>
</tr>
<tr>
<td>500 x 500</td>
<td>400</td>
</tr>
<tr>
<td>600 x 600</td>
<td>500</td>
</tr>
<tr>
<td></td>
<td>630</td>
</tr>
</tbody>
</table>