Hammer mill
Vertica™.
DFZK
Easy maintenance and long service life.

No external aspiration.

The vertical hammer mill Vertica is suitable for use in breweries and distilleries, with all common mash filter systems for barley, malt, wheat, rye, sorghum, rice, maize and maize grits. Compared to other hammer mills, Vertica is a system with low investment, low maintenance costs and high performance.

Low energy requirement.

Thanks to the closed milling chamber no aspiration is required for the grinding process. In comparison with standard horizontal hammer mills, there is energy saving of at least 30 percent.

Simple maintenance.

There is simple access to sieves and beaters thanks to the cone, which can be lowered automatically, as well as the quick changing of inserted or screwed in wearing parts, resulting in minimal operational interruptions. Maintenance requirements are reduced by reinforced sieves with up to four times the service life and tempered beaters with up to double the service life.

Low investment costs.

Compared to other hammer mills, Vertica is a system with low investment, low maintenance costs and high performance.

Shock-proof design.

The rotor braking, following the counter-current principle, brings the rotor to a halt immediately. This ensures maximum reliability and less downtime. The shock-proof cone locking as well as the two-hand safety switch prevent improper operation of the cone. Temperature and vibration monitoring (optional) offer additional safety.

Benefits.

- Up to 30% energy saving.
- Reinforced sieves and tempered beaters for reduced maintenance.
- Low investment costs.
- Shock-proof design and optical spark detection for greater safety.
Compact design for your plant.
Greater safety.

Safe system.
Continuous feed into the hammer mill proceeds via a feeding device. The machine control DFCQ regulates the operation of the Vertica hammer mill. It starts and stops the motor, controls the cone, monitors safety functions and regulates the flow rate.

Optical spark detection.
The outlet, with optical detection of sparks, a bursting disk as well as a blow-through airlock as a decoupling element, meets the explosion protection requirements for breweries and distilleries.

<table>
<thead>
<tr>
<th>Type</th>
<th>Flow rate*</th>
<th>Motors</th>
<th>Sieve configuration</th>
<th>Weight</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[t/h]</td>
<td>50 Hz</td>
<td>60 Hz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>DFZK-1</td>
<td>max. 16</td>
<td>55 / 75 / 90 / 110 kW</td>
<td>0,7 m² / 2,0 / 2,5 / 3,0 / 3,5 / 4,0 / 5,0 / 6,0 / 8,0</td>
<td>2000</td>
<td>13.30</td>
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<tr>
<td></td>
<td>max. 32</td>
<td>1500 min-1</td>
<td>1800 min-1</td>
<td>4000</td>
<td>23.60</td>
</tr>
</tbody>
</table>

* Depending on raw material and granulation.