Batch centrifugals ZUKA®

→ 30 cycles per hour only with ZUKA®

Very high performance: 30 cycles per hour
- Patented double discharger reducing the discharging time
- Optimised basket geometry
- Maximum benefit with permanent magnet motor
- Compact design: easy to install in existing plant

Remote online supervision (through Internet access)
- Assistance by Fives Cail Centrifugal department

Optimised hygiene and maintenance
- Designed to exceed highest standards for refineries and major soft drinks industries
- Cleaning in agreement with the best CIP procedures
- Linear discharger: no sugar contamination
- Very large inspection doors for basket

The first evolutive centrifugal on the market
- Increase capacities from 10% to 15% with a second discharger whenever needed

With more than 4,000 batch centrifugals in the world, Fives Cail is the leading centrifugal manufacturer worldwide. Thanks to this long experience and this large success, Fives Cail has launched ZUKA®: its new range of batch centrifugals.

This new generation gathers outstanding innovations in the field of technologies: ZUKA® is the breakthrough in the centrifugal market.

www.fivesgroup.com
Flexibility and large range of models

Capacity from 1,250 to 2,250 kg
Possible upgrade by adding a 2nd discharger

Drive types available

<table>
<thead>
<tr>
<th>AC Motor</th>
<th>DC Motor</th>
<th>HPM Motor</th>
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</thead>
</table>

Recommended drive: HPM Motor (Hybrid Permanent Magnet)
- High efficiency: 2% higher than AC technology
- Independent windings and assembly without glue
- No thermal losses in the rotor
- Large range of speeds at constant power

Technical documentation on CD-ROM
- Interactive exploded view of component parts

Remote online supervision
- For one centrifugal or a complete battery
- Assistance to your staff
- Fives Cail expert analyses

New technology, new generation

1. Permanent magnet motor
2. Feed pipe with a flap used for massecuite orientation
3. Double discharger
4. Casing with large trap doors for access to the basket
5. Basket with profiled hub
6. Cone discharger under the basket and actuated by pneumatic control

<table>
<thead>
<tr>
<th>ZUKA®</th>
<th>D412</th>
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<tbody>
<tr>
<td>1,250</td>
<td>1,500</td>
</tr>
<tr>
<td>Capacity kg</td>
<td>kg</td>
</tr>
<tr>
<td>Basket diameter mm</td>
<td>1,370</td>
</tr>
<tr>
<td>Installation pitch mm</td>
<td>2,000</td>
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<tr>
<td>Maximum cycles per hour*</td>
<td>22 to 26</td>
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</tbody>
</table>

* Depending on massecuite characteristics and drive

Low operating cost
Ease of use
Cleanliness / Hygiene
Yield/Productivity
Safety

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