Mixing Technology

Double Cone Mixer

► JEL DKM
The standard double cone mixer JEL DKM is designed for mixing, homogenizing and dyeing of powdery or granular products up to a nominal volume of 10,000 liters.

► Operation
Due to the rotation of the mixing drum, the product is gently moved from the cylindrical part into the conical part and vice versa and uniform mixing of the material is obtained. As a result, the material lifted by centrifugal and frictional forces slides down according to its angle of slope.

► Machine or plant equipment
The JEL DKM consists of a mixing drum, two supports and a slip-on gear unit.

► Areas of application

<table>
<thead>
<tr>
<th>Chemicals</th>
<th>Plastics</th>
<th>Pharmaceuticals</th>
<th>Foodstuffs</th>
<th>Similar industries</th>
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► Bulk solids

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<th>Grainy</th>
<th>Powdery</th>
<th>Finely powdered</th>
<th>Fatty</th>
<th>Granular</th>
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► Application processes

<table>
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<tr>
<th>Mixing</th>
<th>Homogenizing</th>
<th>Dyeing</th>
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Areas of application:

- Chemicals
- Plastics
- Pharmaceuticals
- Foodstuffs
- Similar industries

Bulk solids:

- Grainy
- Powdery
- Finely powdered
- Fatty
- Granular

Application processes:

- Mixing
- Homogenizing
- Dyeing

1. Robust execution
2. Low dynamic forces
3. Simple handling
4. Proper emptying almost residue-free
5. Gentle mixing due to inclined surfaces
6. Easy to transport and to maintain
Mixing Technology

Double Cone Mixer

Design
- Standard design of steel (stainless steel and titanium possible)
- ATEX or GMP version available
- Automatic feeding and emptying available as an option
- Manual and automatic operation
- Batch operation
- Upon request with spraying device for CIP cleaning
- Rotary inlet allowing for spraying in liquid or gaseous media

Technical details

<table>
<thead>
<tr>
<th>Model</th>
<th>Nominal volume/content (l)</th>
<th>Driving power (kW)**</th>
<th>Ø d1 (mm)</th>
<th>Ø d2 (mm)</th>
<th>Ø d3 (mm)</th>
<th>Height h1 (mm)</th>
<th>Height h2 (mm)</th>
<th>Height h3 (mm)</th>
<th>Height h4 (mm)</th>
<th>Length l1 (mm)</th>
<th>Length l2 (mm)</th>
<th>Total weight (kg)</th>
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*Mixers with bearing on one side and as a result with only one support
**Driving power designed for bulk density 1.0 kg/dm³ - filling degree about 70%

Do you still have questions or would you like a non-binding price quotation? Then simply contact our team of experts.

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Mixing technology
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Your contact person

Mix Systematically