Conical Screw Mixer

Capacity: 50 to 5,000 litres
Objective: sticky liquid mixture or wet, pasty or powdery materials

DELICATE MIXING AND BLENDING, SIMULTANEOUS STORAGE OF MATERIALS

The CV mixer is a conical mixer with high mixing efficiency. It allows the delicate mixing of products, while ensuring the highest level of accuracy without deterioration. CV mixer is based on a three-dimensional action produced by an axis suspended from a rotating arm inside the conical tank combined with the rotation of the axis itself. This equipment is suitable for intermediate product storage, combined with temporary homogenization.

OPERATING MODE

Mixing is carried out by means of three separate actions:
1) Mixing screw, rotating on its axis, produces a lifting action of materials
2) At the same time, the screw turns in orbit around the vessel, removes the materials from the wall and directs them to the center of the vessel
3) The materials, detached by the screw, gravitate downwards and are mixed thoroughly with those lifted by the axis.

The cleaning of this type of mixer is a significant asset for manufacturers carrying out frequent recipe changes.

TECHNICAL SPECIFICATIONS

- Mixing vessel made of steel, stainless steel 304L/316L
- Surface finish: satin finishing, polishing, blasting
- Manual cylinder or pneumatic actuator for knife gate valve
- Adjustable knife gate valve
- Adjustable flow
- Minimum residual material in case of complete emptying
- Possibility of a mobile mixer

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Options

- Compact size
- Mild mixing, respect of the materials
- Minimum residual material
- Low power consumption

Advantages

- Step 1
- Step 2
- Step 3

DIMENSIONS in mm.

<table>
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<tr>
<th>Type</th>
<th>Vessel</th>
<th>D (mm)</th>
<th>H (mm)</th>
<th>Weight (kg)</th>
<th>Net volume (l)</th>
<th>Power kW</th>
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Options

- Manual discharging valve
- Access door

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