IBC Mixers

for Plastic

Transportable

Containers
IBC Mixers

Chemineer’s unique range of industrial agitators are designed for use with plastic transportable (IBC) containers. We supply a range of models suitable for a variety of applications including—blending light viscous liquid as well as re-suspension of settled solids and dissolution of powders.

Applications

- Chemical Industry
- Dye Stuffs & Pigments
- Slurries
- Paint & Varnish
- Food & Beverage
- Water Treatment Chemicals and Flocculants
- Cosmetics Industry

Container

Designed for use on 1000 / 800 liter IBC containers with 150mm screw caps by Schutz, Sotralentz and Van Leer, suitable for most container types.

E-400 Folding Impeller

Closed

E-400 Folding Impeller

Operating
**Mixer Support**
Lightweight stainless steel bridge which mounts directly onto the IBC frame and is secured in place with quick action toggle clamps.

**Lifting Options**
The standard mixer is supplied with an eye bolt for lifting the mixer using a hoist, bolt on modules are also available for lifting the mixer using a fork lift truck.

**Air Motors**
Are fitted with a flow control valve and muffler.

**Gear Drives**
Factory filled with a synthetic food quality lubricant and sealed for life.

**Shaft and Impellers**
The mixer shaft and impellers are manufactured in 316 stainless steel. High speed mixers are fitted with single or dual fixed impellers and low speed mixers with E-400 Folding Impellers.

**Models**
- HBC — high speed direct drive
- LBC — low speed gear drive
- Motors 0.37 — 1.5 kw electric or air
- Special designs are also available for introducing powders or liquids into the IBC

**Electric Motors**
- 400 Volts 3ph 50Hz protection IP55, fitted with Start / Stop push buttons and overload relays.
- Connection to the unit is with a 4 pin, 16 amp plug / socket, a 10 meter steel wire armored flex extension cable is available as an optional extra.
- A safety interlock is integrated into the mixer support bridge and wired to the motor control.
Mixer Sizing and Selection

The following tables provide a general selection guide. Our application engineers will be pleased to advise on mixers / agitators suitable for your specific application.

### Mild to Medium Agitation

<table>
<thead>
<tr>
<th>Viscosity Cp</th>
<th>Mixer Model</th>
<th>Drive Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>HBC-37</td>
<td>Direct</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250</td>
<td>LBC-37</td>
<td>Gear</td>
</tr>
<tr>
<td>500</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td>LBC-37</td>
<td>Gear</td>
</tr>
<tr>
<td>2500</td>
<td>LBC-75</td>
<td>Gear</td>
</tr>
<tr>
<td>5000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15000</td>
<td>LBC-150</td>
<td>Gear</td>
</tr>
</tbody>
</table>

### Vigorous Agitation

<table>
<thead>
<tr>
<th>Viscosity Cp</th>
<th>Mixer Model</th>
<th>Drive Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.0</td>
<td>HBC-37</td>
<td>Gear</td>
</tr>
<tr>
<td>100</td>
<td></td>
<td></td>
</tr>
<tr>
<td>250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>500</td>
<td>LBC-75</td>
<td>Gear</td>
</tr>
<tr>
<td>1000</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2500</td>
<td>LBC-150</td>
<td>Gear</td>
</tr>
<tr>
<td>5000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Inquiries / Ordering

Please mention container type and size: volume and mixing duty together with viscosity and SG when requesting a quotation or placing an order to enable our application engineers to confirm or propose a suitable IBC mixer selection.

### Check List / Options

- Drive Electric or Air
- Lifting Hoist Standard or Fork Lift Truck
- Extension 10 meter steel wire armored flex fitted with a plug and socket