

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 - 1000 Litre IBC		
Viscosity Cp	Mixer Model	Drive Type
1.0	HBC-37	Direct
100		
250	LBC-37	Gear
500		
1000		
2500	LBC-75	Gear
5000		
15000	LBC-150	Gear

Vigorous Agitation - 1000 Litre IBC		
Viscosity Cp	Mixer Model	Drive Type
1.0	HBC-37	Gear
100		
250		
500	LBC-75	Gear
1000		
2500	LBC-150	Gear
5000		

Enquiries / 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 metre Steel wire armoured flex fitted with a plug and socket.



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IBC MIXERS

FOR PLASTIC TRANSPORTABLE CONTAINERS



IBC Mixers

Chemineer's unique new 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.

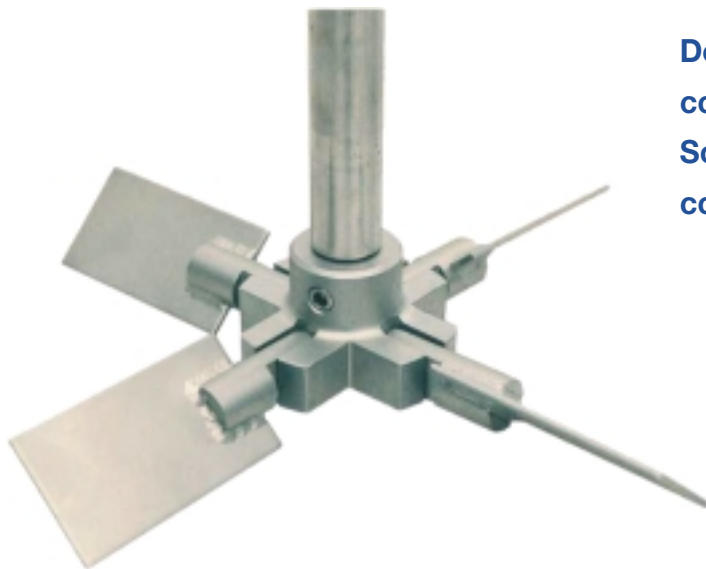


Applications

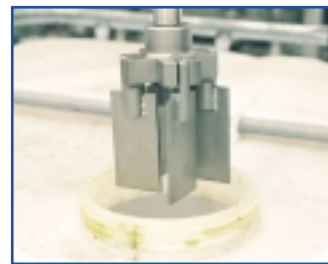
- Chemical Industries
- Dye stuffs & Pigments
- Slurries
- Paint & Varnish
- Food & Beverage
- Water treatment chemicals and flocculants
- Cosmetics Industry

Container

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



E-400 Folding Impeller operating



E-400 Folding Impeller Closed

Technical Specification

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

As standard the 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.



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 metre steel wire armoured 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.

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

