



**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

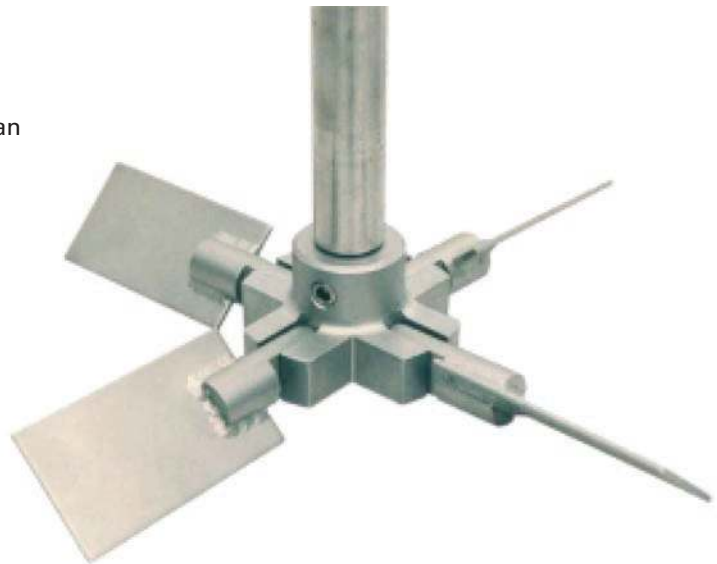


## Container

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*

# 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

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.



## 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.

## 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



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

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

### 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



**Chemineer, Inc.**  
5870 Poe Avenue  
Dayton, Ohio 45414  
Telephone: (937) 454-3200  
Email: chemineer@nov.com

**Chemineer, Ltd.**  
7 Cranmer Road, West Meadows  
Derby DE21 6XT, England  
Telephone: 44-1-332-546700  
Email: chemineeruk@nov.com

**Chemineer China**  
Room 2006, Modern Plaza  
369 Xianxia Road  
Shanghai 200335 China  
Telephone: 86-21-61240001  
Email: chemineercn@nov.com

**Bulletin 709E**



**Chemineer, Inc.**  
125 Flagship Drive  
North Andover, MA 01845  
Telephone: (978) 687-0101  
Email: navinfo@nov.com

www.kenics.com  
www.greercomixers.com

### Chemineer International Sales Offices:

Brazil  
Mexico  
Singapore

**Your Local Contact:**

**For the nearest sales office call 1-800-643-0641 or go to [www.chemineer.com](http://www.chemineer.com)**

National Oilwell Varco has produced this brochure for general information only, and it is not intended for design purposes. Although every effort has been made to maintain the accuracy and reliability of its contents, National Oilwell Varco in no way assumes responsibility or liability for any loss, damage or injury resulting from the use of information and data herein. All applications for the material described are at the user's risk and are the user's responsibility. All brands listed are trademarks of National Oilwell Varco.