

## Intermediate Bulk Container (IBC) Mixer



Figure 1 : IBC mixer designed solely for use with transportable plastic intermediate bulk container (IBC) containers.

In chemical industries, the chemical solutions are commonly stored in the form of IBC container and kept in a warehouse for storage. Depending on the scale of mixing, the batches produced are very large and thus the containers are kept for a long period of time, up to months until it is distributed to customers. Thus, some sediments will start to form and drop to container bottom or the solvents will start to separate. **Multimix® IBC fluid mixer** also known as IBC tote mixer has four fan-shaped folding impellers and when in rotary motion, creates a vortex to agitate the fluids in IBC container and thus prevent sedimentation at the bottom.

### Main Advantages

- User-friendly (just plug and play)
- Even mixing of liquids within seconds
- Durable mixing for long period of time without overheating issue thanks to helical gear motor
- Compatible with all standard IBC container
- Transportable with forklift
- Safe design for operator with clamps and limit switch
- Flexibility of using a single mixer for multiple IBC container

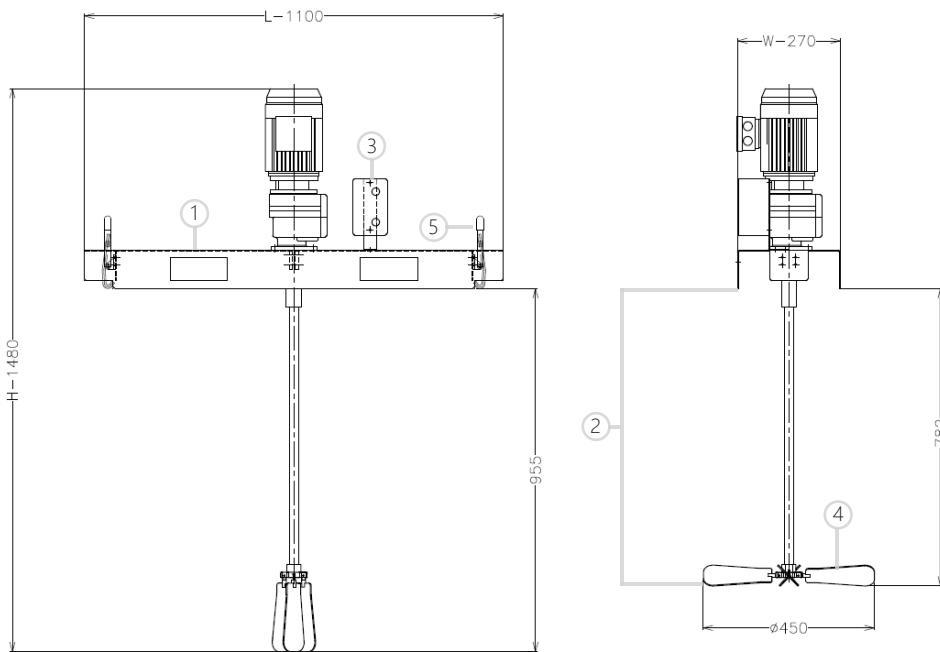


Figure 2: "Collapsible" folding impellers for entry to all standard IBC containers.

IBC

#### 1. Ergonomically designed

The base is fitted with dedicated forklift channels enabling it to be transported in and out IBC containers via forklift.

#### 2. Safe, durable and long-lasting

All wetted parts are in grade 316 stainless steel (GMP compliant) or SS304.

#### 3. User-friendly (Plug and play)

Once the mixer is secured on top of IBC container, just press START button and the mixer will do the mixing.

#### 4. Homogeneous mixing

When the folding impellers are in rotary motion, a vortex is generated to lightly agitate the fluids in IBC container thereby preventing sedimentation at the bottom.

#### 5. Safe design for operator

The machine base is fitted with ON/OFF starter, limit switch and clamping system to prevent accidental mixer operation when it is not inside the IBC container.

Power supply

Three phase helical gear motor,  
380V/415V, 50/60Hz

Mixing capacity

1000 Litres as per IBC container

Speed

200 rpm

Impeller design

fan-shaped folding impeller

Safety features

Clamp, limit switch system,  
ON/OFF starter (optional)

Wetted parts material

Food and medical grade  
stainless steel 316L / SS304

Machine base

SS304/Galvanized frame  
support with forklift channels



Figure 3: When impellers are in rotary motion.

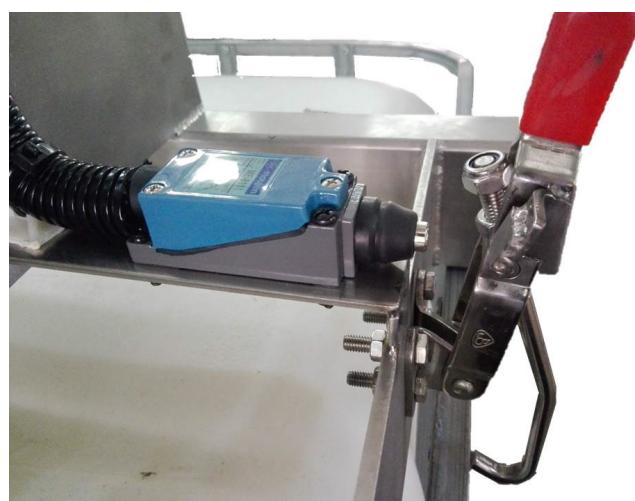


Figure 4: Safety mechanism with clamping and limit switches.

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