

tapflo®

# INDUSTRIAL MIXERS

2022 | 1



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# Industrial Mixers

## simple and reliable mixing solutions

**IBC containers** and **standard drums** are commonly used in industry. Applying them is the easiest way to store and transport various liquids. As many of those liquids must be **mixed before being used in the process**, we offer a range of dedicated Industrial Mixers.

These are simple but robust and safe in operation high-quality devices. Designed and configured for common industrial applications, allowing to **mix directly in an IBC container or a drum**. By using the mixers you can **skip the intermediate tanks** and make the process **swifter** and **more cost-effective**.

### Features & Benefits

- ✓ **Robust and high-quality design**  
Long-living, reliable performance
- ✓ **Safety interlock switch included**  
Safe in operation - stops the IBC mixer immediately, if mistakenly raised from the IBC while in operation
- ✓ **Cost-effective solutions dedicated for IBC, drums and other containers**  
No need for additional storage or intermediate tanks.
- ✓ **Electrically or air driven**  
Can be driven in any conditions
- ✓ **Flexible in configuration - engineering support**  
Can be customized or built as a tailor-made mixing system
- ✓ **Standard mixers available from stocks in Europe**  
Very short delivery time
- ✓ **Suitable for ATEX zones**  
Applicable for the wide range of liquids



## IBC Mixers

### complete solution for the most common tanks

Mixing products inside an IBC container has never been so **easy and reliable**. Our mixing solution includes **all components needed to start operation**.

Let us take care of selecting a suitable impeller, drive assembly and materials that will **guarantee efficient mixing**.

### Features & Benefits

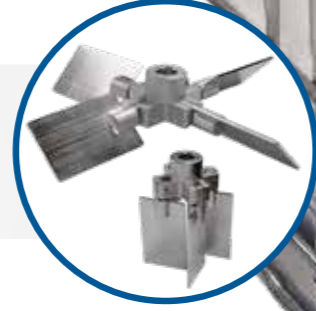
- ✓ **Ready-to-use, light frame assembly**  
Fixed with just two toggle clamps
- ✓ **Safety interlock switch included**  
Stops the mixer when not fixed
- ✓ **Available with various impellers and material configurations**  
Suitable for a wide range of applications



# Main elements of the IBC Mixer

## Available drives:

- » **Electric motor**
  - for low viscous liquids (up to 100 cP)
  - provides mild or medium mixing
  - standard speed of 1400 rpm
  - 1-phase or 3-phase supplied
- » **Pneumatic (air) motor**
  - for both low and high viscous liquids
  - delivered with a control valve to regulate the speed
- » **Gearbox** - electrical or pneumatic supply
  - for high viscous liquids (up to 15.000 cP)
  - provides medium or vigorous mixing
  - standard speed of 236 rpm
  - 1-phase or 3-phase supplied or pneumatic



## Electrical supply set

- For safe and convenient operation.
- motor overload protection
  - START/STOP buttons
  - 16A plug

## Fixed Impeller

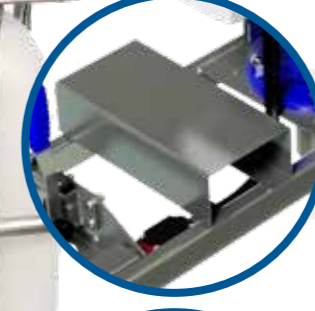
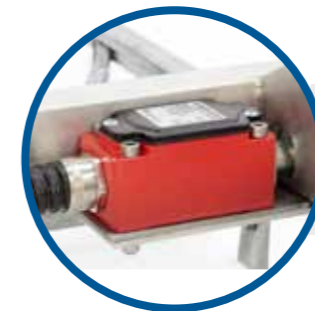
Applicable with electrical and pneumatic motors for low viscous liquids.

## Folding Impeller

Folds to enter into the IBC. Applicable with gearmotor for high viscous liquids.

## Kicker Impeller (low-level)

Solution for products with a high solids content or mixing at a low level.



## Safety switch

Prevents the mixer from operating when not securely fixed on an IBC.



## Eyebolt lifting frame

Makes installation easy.



## Forklift module (option)

Enables moving the mixer with a forklift.



## Liquid inlet (option)

the easiest solution for adding liquid supplements to the mixed media.



## Hopper for powder or polymer (option)

A convenient way to make additions while mixing.



## Selection table

Viscosity cP	Mixer model	Mixing	Drive type	RPM	Impeller	Weight
1 - 100	HBC-037	Mild - Medium	Motor	1400	Fixed	23 kg
1 - 100	HBC-075	Vigorous	Motor	1400	Fixed	25 kg
1 - 250	LBC-037	Vigorous	Gearmotor	236	Folding	30 kg
250 - 1.000		Mild - Medium				
500 - 2.000	LBC-075	Vigorous	Gearmotor	236	Folding	32 kg
2.000 - 5.000		Mild - Medium				
2.500 - 5.000	LBC-150	Vigorous	Gearmotor	236	Folding	38 kg
5.000 - 15.000		Mild - Medium				

# Drum Mixers

electric & air driven

A drum mixer is a **compact solution** for mixing liquids **inside drums**.

It can be **fixed directly to the drum** and **easily moved between drums**.

The Mixer can also be **fixed to the wall above the drum** and then **lowered for mixing**.

## Features & Benefits

- ✓ **Suitable for most of the commonly used drums (ex. 200 l)**  
Used to mix any product in a regular supply.
- ✓ **Dedicated drum lid, clamp or wall support available.**  
Suitable for various arrangements.
- ✓ **Light and easy to move**  
Can be used in various locations.



# Pneumixer

2 in 1 - pumping & mixing

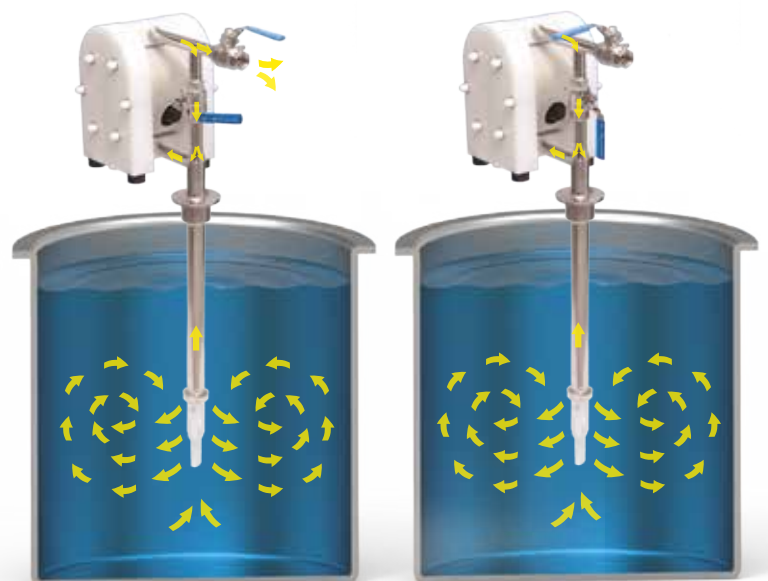
Pneumixer is a combination of a Tapflo **Diaphragm Pump and a mixer**, allowing to perform **pumping and mixing with just one device**.

Switching between pumping and mixing is easy and can be done **manually or remotely**.

Pneumixer can be configured when it comes to the **liquid flow, pressure, materials or size of the tank**.

## Features & Benefits

- ✓ **Pumping & mixing solution**  
1 device is covering both parts of the process.
- ✓ **Controlled manually or remotely**  
Easy to operate.
- ✓ **Flexible in configuration**  
Suitable for various containers and liquids.



Pumping mode

Mixing mode

# Mixing & Pumping Station

immediate dilution and transfer

**Solution-thinking** is written in our DNA. Tapflo's regular Mixing & Pumping Station makes the dilution and transfer work much easier. This solution can be applied in **various applications**, for example dilution of **fertilizers** or **powders**. The station is modular and flexible to be configured for certain needs.

## Key elements of the system

Built-on **IBC mixer** provides efficient blending.

**Hatch opening** for the convenient pouring of fertilizers or powders inside

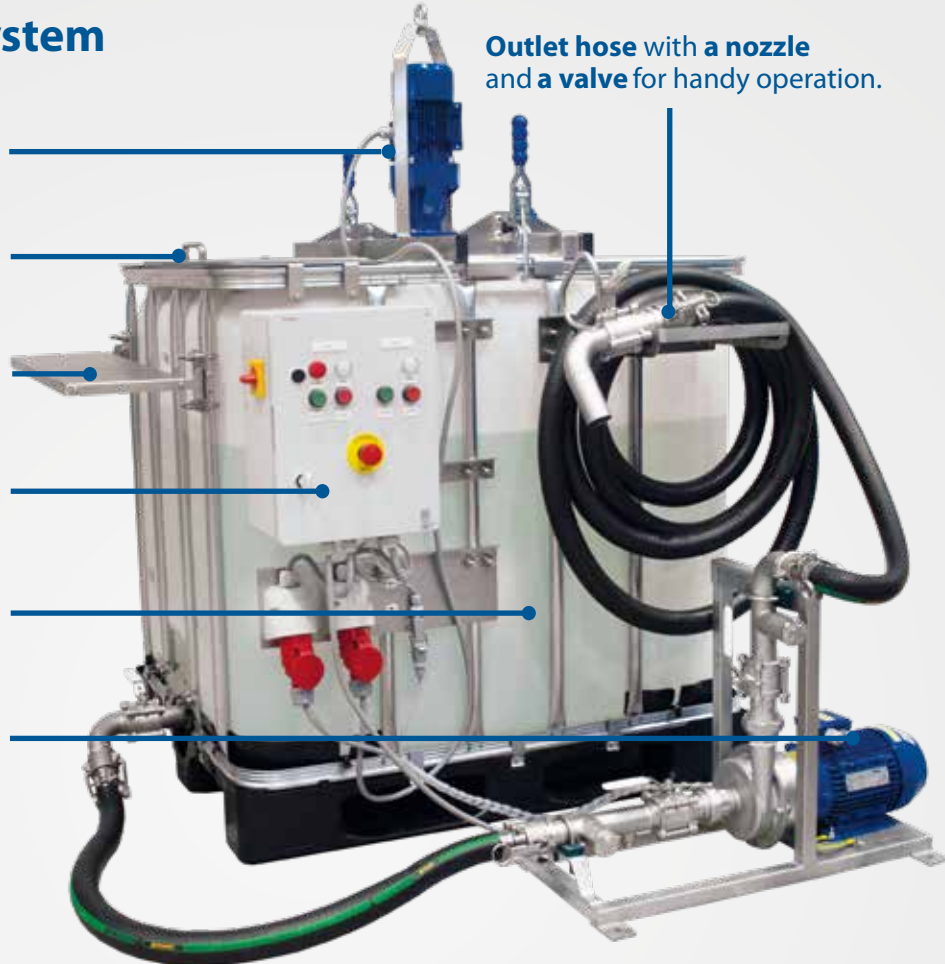
**Support shelf** to place the bag or bucket.

**Local control cabinet** with light indication.

**A tank** of 1000 l volume with **filling port** included.

**Centrifugal pump** for quick transferring of the mixture.

**Outlet hose with a nozzle and a valve** for handy operation.



## Mixing Stations



Portable Mixing Station for IBC containers



Stationary Mixing Station for IBC containers

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*We began our journey in 1980 in Kungälv, a small town on the Swedish west coast, as a family company with an ambition to one day become a global player on the pump market.*

*Since the foundation, we have taken pride in delivering a wealth of knowledge and passion for pumps to the industry, whilst supplying a wide range of premium products for various industrial applications.*

*Over the years, the company has developed into a global Tapflo Group with branches and distributors present in nearly every region of the world.*

*One thing did not change - we are still a family company.*

## Tapflo products and services are available worldwide.

Tapflo is represented by own Tapflo Group Companies and carefully selected distributors assuring highest Tapflo service quality for our customers' convenience.

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