IOM manual

tapflo®

IBC Mixers

LBC, HBC series

Edition 2026

STOP

Read this instruction manual carefully, before you install and operate the mixer.

CE



All about your flow®

www.tapflo.pl

CONTENTS

1. PRODUCT INFORMATION AND SAFETY 4
   1.1. Product Description 4
   1.2. Delivery Inspection 4
   1.3. Handling and Transportation 4
   1.4. Storage Conditions 5
   1.5. General Safety Requirements 5
   1.6. Hazard identification and Risk Analysis 5
2. TECHNICAL INFORMATION AND ASSEMBLY 7
   2.1. Assembly Drawings 7
      2.1.1. Electric Drive Configuration 7
      2.1.2. Pneumatic Drive Configuration 8
   2.2. Nameplate 9
   2.3. Compressed Air Requirements 9
   2.4. Impeller Installation and Arrangement 10
3. INSTALLATION, OPERATION AND TROUBLESHOOTING 10
   3.1. Installation and Commissioning 10
   3.2. Operating Principles 12
      3.2.1. Electric Drive Operation 12
   3.3. Safety Interlocking System 13
      3.3.1. Electrical Interlocking Switch 13
      3.3.2. Pneumatic Interlocking Switch 13
   3.4. Troubleshooting Guide 14
4. MAINTENANCE AND SERVICE 16
   4.1. Routine maintenance 16
   4.2. Lubrication 16
   4.3. Tightening Torques 16
   4.4. Air Motor - flushing 17
   4.5. Material Disposal 17
   4.6. Ordering Spare Parts 17
5. WARRANTY 18
   5.1. Returning parts 18
   5.2. Warranty 18

EU DECLARATION OF CONFORMITY

Series: **IBC Mixers - LBC/HBC**

Model:

LBC-037, LBC-075, LBC-150, LBC-220,

HBC-037, HBC-075

Serial number: **XXXX XX XXXX**

Manufactured by Tapflo Sp. z o.o:
Tapflo AB
Filaregatan 4
S-442 34 Kungälv, Sweden

This declaration of conformity is issued under the sole responsibility of the manufacturer.

Object of declaration: **IBC mixers - High and Low Speed With Electric and Pneumatic Drives.**

The object of the declaration described above is in conformity with the relevant Union harmonisation legislation:

- Directive 2006/42/EC of European Parliament and of the Council of 17 May 2006 on machinery.

Signed for and on behalf of
Tapflo Group AB, 28.01.2026

Mats Agblad
Chief Executive Officer

1. GENERAL

1. PRODUCT INFORMATION AND SAFETY

1.1. Product Description

The LBC and HBC mixer ranges are intended for installation on standard Intermediate Bulk Containers (IBCs) featuring a 150 mm threaded access opening. The mounting arrangement allows the equipment to be used with a wide variety of commonly available IBC designs.

The units are intended solely for indoor industrial applications in non-hazardous environments. To ensure safe operation, the mixers incorporate protective features including motor overload protection and an interlock system that prevents start-up unless the mixer is correctly secured to the container. Electrical versions are supplied with a 16 A IP44-rated connection system and the appropriate motor control equipment.

All drive components are mounted on a stainless-steel support structure positioned across the top of the container. The assembly is secured by means of quick-release clamping mechanisms, enabling fast installation and removal. As standard, the mixer is provided with a lifting eye for overhead handling, while a forklift handling arrangement can be supplied as an optional alternative.

1.2. Delivery Inspection

Upon receipt of the mixer, verify that the equipment supplied matches the purchase order and has not sustained any damage during transportation. Carefully inspect the shipment for missing components, visible defects, or signs of mishandling. Any discrepancies, shortages, or transport-related damage must be reported without delay, in writing, to either the carrier or the supplier. Relevant contact information is provided in the final section of this manual.

1.3. Handling and Transportation

Mixers should be transported in full. Lifting arrangement via a hoist or a forklift truck is shown in fig.1. Before transport make sure that the lifting components are securely attached to the frame. Tighten any loose screws before lifting. Make sure the hook clamps are detached from the IBC frame.

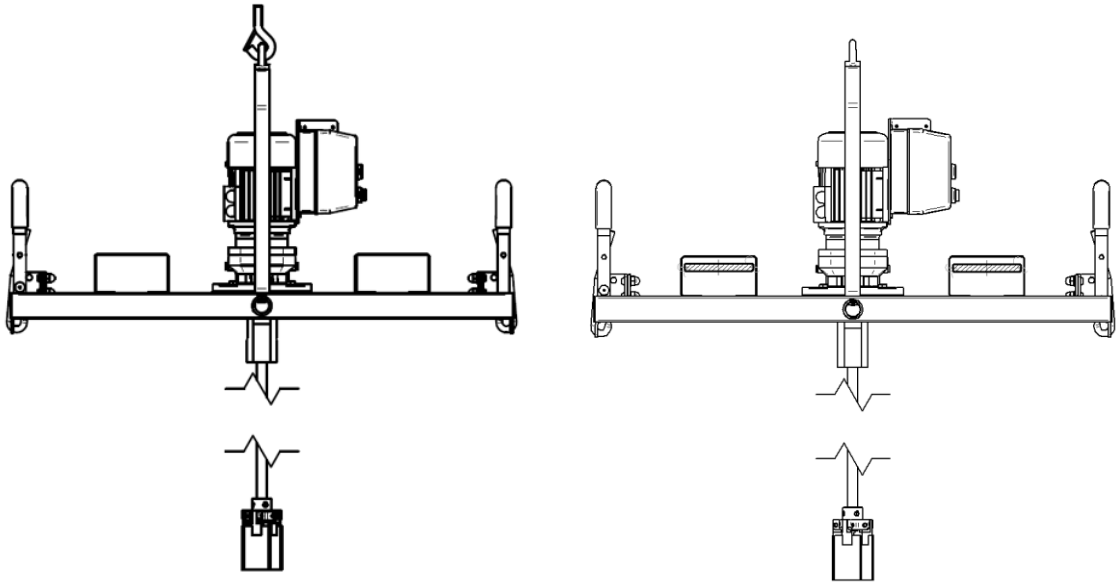


Fig.1: Correct ways to transport IBC mixers

1. GENERAL

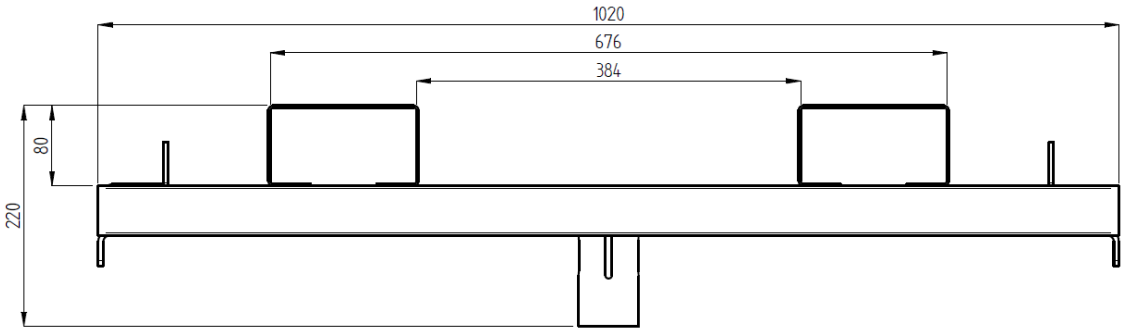


Fig.2: Forklift pocket spacing

1.4. Storage Conditions

LBC and HBC series mixers should be kept in a clean, dry indoor environment when not in service. Until installation and commissioning, the equipment must be protected from outdoor conditions and stored at an ambient temperature maintained between 15°C and 40°C.

1.5. General Safety Requirements

The safety precautions listed below shall be followed whenever the mixer is installed, operated, transported, or serviced.

- Comply with all applicable local plant and site safety regulations.
- Before commencing work, ensure that suitable protective clothing, eye protection, and relevant product safety information are available for the material contained within the IBC.
- Handle the unit using appropriate lifting equipment, such as a forklift truck or hoist
- Ensure the mixer is firmly attached to the IBC, with the shaft and impeller correctly installed, prior to energizing the unit.
- Before carrying out inspection, cleaning, adjustment, or maintenance work, isolate the mixer from the electrical supply.
- Avoid contact with rotating or moving components while the mixer is operating.
- The motor surface may remain hot after operation and should not be touched until it has cooled.

	***WARNING!*** **Failure to follow the safety requirements contained in this manual may result in serious injury, equipment damage, or unsafe operating conditions.**

1.6. Hazard identification and Risk Analysis

Based on EN ISO 12100:2010, the following hazards have been identified:

- Mechanical hazards
  - Contact with rotating agitator parts is possible.
  - Risk of clothing, hair or limbs getting caught in the drive mechanism.
  - The agitator may tip over during assembly or operation.
- Electrical hazards

- Risk of electric shock due to damaged cable insulation.
- Risk of electrical short-circuit or overheating of the motor.

➢ Thermal hazards
- Overheating of the electric motor, which can lead to burns.

➢ Chemical hazards
- Contact with mixed chemicals (e.g. solvents, acids, alkalis).
- Risk of chemical splashes.

➢ Hazards due to noise and vibrations
- Noise emission exceeding the permissible standards.
- Vibrations that can lead to user fatigue.

➢ Ergonomic hazards
- Forced body position during assembly and operation.
- High device weight making it difficult to operate.

A risk analysis was carried out for each identified hazard and appropriate countermeasures were proposed:

Possible hazard	Probability	Consequences	Risk reduction measures
Contact with the rotor	Medium	Serious injury	Protective covers, start-up lock (limit switch),
Electric shock	Low	Fatal injury	grounding, insulated cables
Contact with chemicals	Medium	Chemical burns	Personal protective equipment (gloves, goggles)
Equipment tipping over	Low	Physical injury	Stable construction, non-slip bases, installation on IBC container frame
Noise	Medium	Hearing damage	Hearing protection
Vibrations	Medium	Fatigue	Vibration dampers

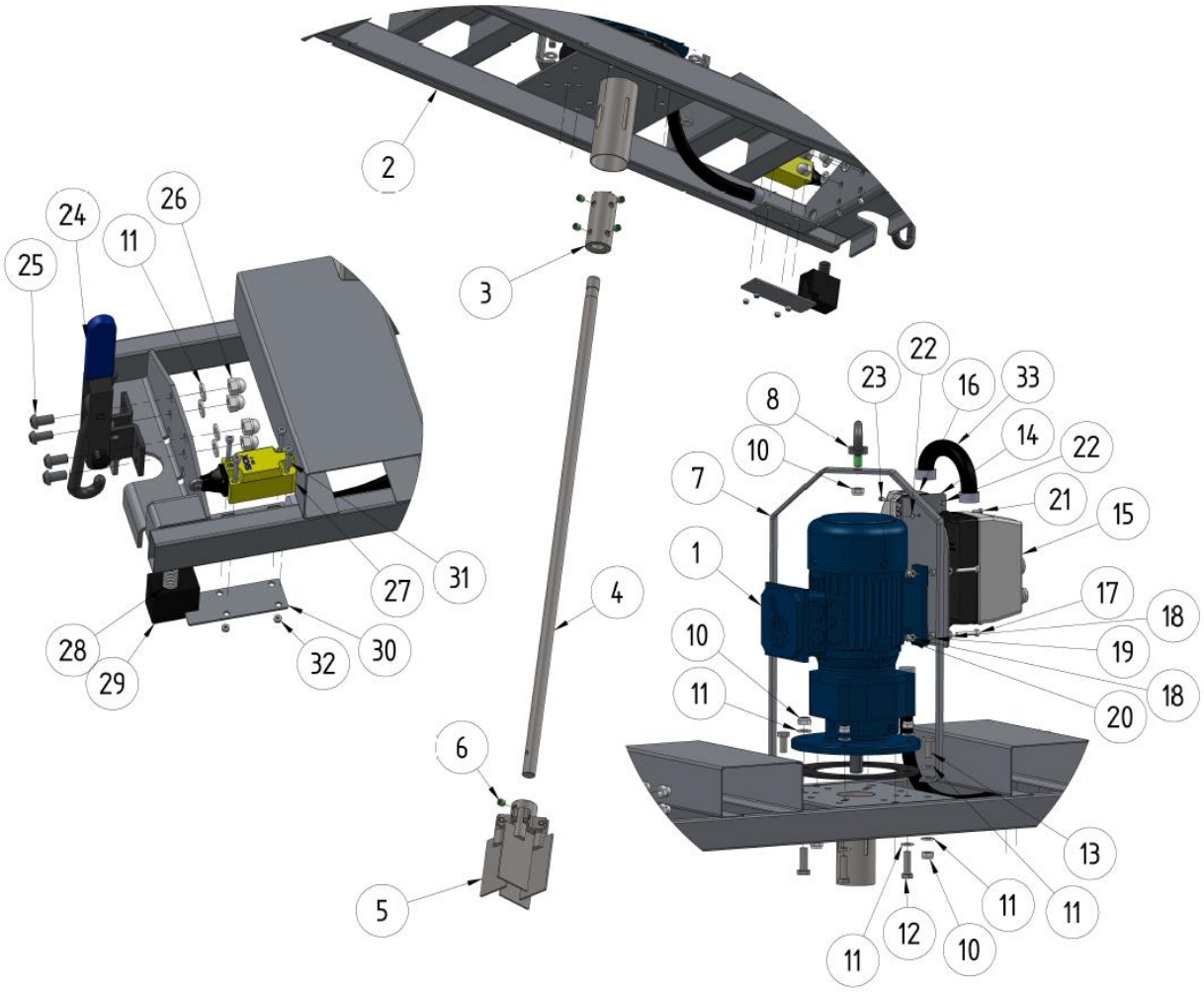
	Disconnect power before maintenance or moving the device.
	Risk of entanglement from rotating parts.
	Hot surface. Allow equipment to cool before handling.

2. INSTALLATION AND OPERATION

2. TECHNICAL INFORMATION AND ASSEMBLY

2.1. Assembly Drawings

2.1.1. Electric Drive Configuration

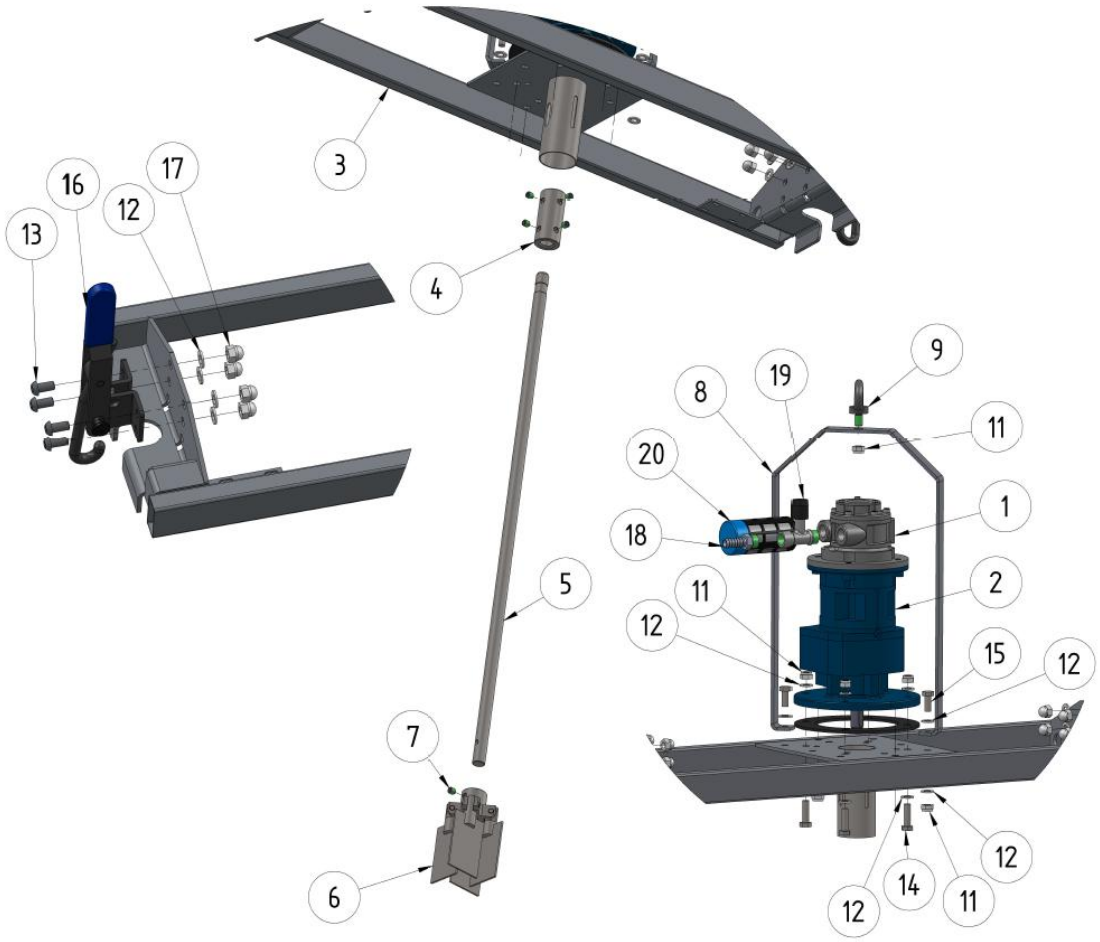


No.	Description	Quantity
1	LBC geared motor	1
2	Mixer frame	1
3	Drive sleeve	1
4	Mixer shaft	1
5	Folding impeller	1
6	M10x12 screw DIN 914	6
7	Transport clamp	1
8	M12 bolt DIN 580	1
9	Gasket	1
10	M10 nut DIN 985	7
11	M10 washer DIN 125	20
12	M10x35 screw DIN 933	4
13	M10x25 screw DIN 933	2
14	Starter mounting plate	1
15	Mixer starter / VFD	1
16	Plug	1
17	M6x35 screw DIN 933	4

No.	Description	Quantity
18	M6 washer DIN 125	8
19	M6 nut DIN 934	4
20	M6 nut DIN 985	4
21	M4x12 screw DIN 912	2
22	M4 nut BN 201	6
23	M4x16 screw DIN 912	4
24	Quick-release clamp	2
25	M10x20 screw ISO 7380-1	8
26	M10 nut DIN 1587	8
27	Limit switch	1
28	Spring	1
29	Sensor block	1
30	Separator plate	1
31	M5x45 screw DIN 912	4
32	M5 nut DIN 985	4
33	Cable cover with glands	1

2. INSTALLATION AND OPERATION

2.1.2. Pneumatic Drive Configuration

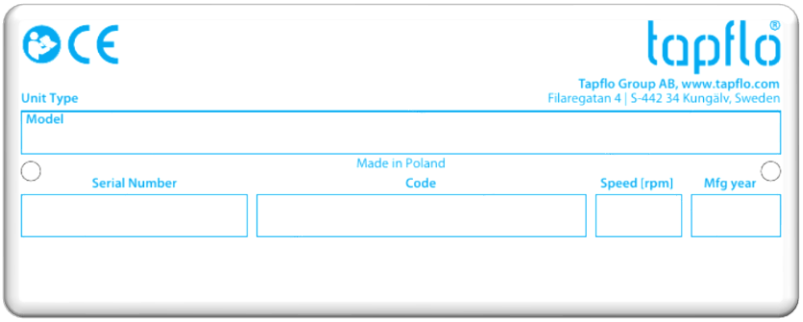


Nr	Opis	Ilość
1	LBC air motor	1
2	Gearbox	1
3	Mixer frame	1
4	Drive sleeve	1
5	Mixer shaft	1
6	Folding impeller	1
7	M10x12 screw DIN 914	6
8	Transport clamp	1
9	M12 bolt DIN 580	1
10	Gasket	1

Nr	Opis	Ilość
11	M10 nut DIN 985	7
12	M10 washer DIN 125	20
13	M10x20 screw ISO 7380-1	8
14	M10x35 screw DIN 933	4
15	M10x25 screw DIN 933	2
16	Quick-release clamp	2
17	M10 nut DIN 1587	8
18	Hose connector	1
19	Flow control valve	1
20	Exhaust muffler	1

2. INSTALLATION AND OPERATION

2.2. Nameplate



Every mixer is supplied with a nameplate according to the scheme above. Individual positions are explained below:

Position	Description
Unit type (Model)	Complete codified model of the mixer
Code	Series type code
Serial Number	Serial number of the unit in format XXXX XX XXXX
Speed [rpm]	Mixer speed – LBC series: 236rpm, HBC series: 1450rpm or other for non-standard executions
Mfg year	Manufacturing date

After the delivery of the mixer the nameplates should be checked whether they correspond with the order. Any inconsistencies should be reported to TAPFLO.

2.3. Compressed Air Requirements

Pneumatic mixers require a clean, dry air supply to operate reliably. The motors used in these mixers are non-lubricated, meaning they do not require additional lubrication in the air line. Introducing lubricated air may negatively affect performance or lead to premature wear.

Typical operating pressure ranges from 2 to 6 bar, depending on the specific motor. To ensure proper function, users must refer to the motor documentation supplied with the mixer. This includes performance curves that show how variations in air pressure and flow affect mixer performance.

Important: To protect the gearbox, the air motor must not be operated at speeds exceeding 1500 rpm. Higher rotational speeds can cause the gearbox oil to overheat and degrade, significantly reducing lubrication efficiency and potentially leading to accelerated wear or damage.

Air motors are, by default, supplied with a muffler on the exhaust side to reduce noise levels during operation. This muffler should remain unobstructed and must not be removed unless replaced with a suitable exhaust accessory.

2. INSTALLATION AND OPERATION

Operating outside the recommended air parameters may result in reduced performance or damage. Always verify that the air supply system is correctly set up and maintained according to the motor's specifications.

2.4. Impeller Installation and Arrangement

Folding Impellers

Standard folding impellers are installed at the shaft end and retained by two fixing screws. The recommended installation arrangement is shown in the corresponding assembly illustration.

Dual Folding Impeller Configuration

For higher-viscosity products, two folding impellers may be fitted on the same shaft to improve circulation throughout the IBC. In this arrangement, the upper impeller is typically located approximately half-way along the shaft, promoting product movement between the upper and lower sections of the container

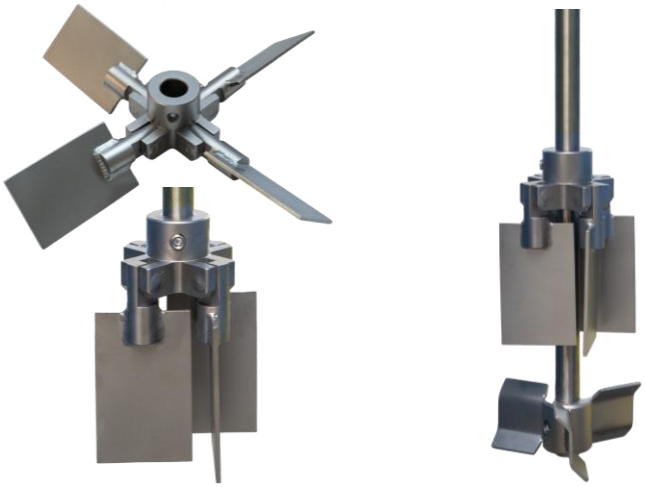
When installing dual impellers, sufficient clearance must be maintained to allow both impellers to open fully during operation without interference from adjacent components.

Dual impeller arrangements may also be used for powder incorporation applications. When processing light powders, the upper impeller should be positioned within the upper 15% of the liquid volume. For heavier particulate materials, improved performance is generally achieved with the upper impeller located around the midpoint of the product level.

Low-Level Impeller (Kicker)

An optional fixed radial-flow impeller, commonly referred to as a *kicker*, is available for operation at reduced liquid levels and for products containing suspended solids. The kicker is mounted below the folding impeller, as indicated in the installation drawing.

For this configuration, a 1000 mm shaft is available to position the lower impeller closer to the bottom of the IBC, allowing effective mixing at low fill levels.



3. INSTALLATION, OPERATION AND TROUBLESHOOTING

3.1. Installation and Commissioning

2. INSTALLATION AND OPERATION

Electric-drive mixers are supplied ready for installation and include the necessary motor control and protection systems, together with an appliance inlet connector. Protection features include a direct-on-line (DOL) starter, motor overload protection, and a safety interlock function.

The color of the electrical plug identifies the required power supply:

- **Red** – 400 V, 3-phase, 50 Hz
- **Blue** – 220-240 V, single-phase, 50 Hz
- **Yellow** – 110 V, single-phase, 50 Hz

Pneumatically driven units are equipped with a speed control valve and an exhaust silencer as standard.

Before placing the mixer into service, proceed as follows:

1. Confirm that the available electrical supply matches the motor and starter ratings. For air-operated mixers, verify that the compressed air system is suitable for the installed motor.
2. Install the impeller on the shaft and secure it using the retaining screws. Refer to Section 2.4 for the recommended impeller arrangement.
3. Insert the shaft into the drive coupling and tighten the two set screws through the opening provided in the coupling guard.





4. Check that the shaft rotates clockwise when viewed from above. If correction of the rotation direction is required, the modification shall only be carried out by qualified personnel.
5. Using a hoist or forklift, position the mixer on the IBC frame using the designated lifting eye.
6. Secure the unit to the IBC using the two quick-action clamps. Adjust the clamping mechanism if necessary to ensure proper engagement.





7. Once the mixer is correctly mounted, connect the electrical supply or compressed air supply, provided that it is safe to do so.
8. Before relocating the mixer after use, disconnect it from the power source and unplug the power cable. For pneumatic units, isolate and disconnect the compressed air supply.

9. Prior to lifting the mixer from the IBC, ensure that both retaining clamps have been released. The clamps are fitted with locking plungers; press or pull the release button.

	Disconnect power before maintenance or moving the device.

3.2. Operating Principles

3.2.1. Electric Drive Operation

Electrically driven mixers are available with either a direct-on-line (DOL) starter or a gearmotor controlled by a frequency inverter. Once the mixer has been correctly mounted on the IBC and the safety interlock system is engaged, operation can be initiated by pressing the **START** button located on the control enclosure. The mixer can be stopped at any time using the **STOP** button.

The drive will also stop automatically if a motor overload condition is detected or if the mixer is removed from the IBC during operation.





For frequency inverter versions, shaft speed can be adjusted using the inverter controls. Detailed operating instructions for inverter-controlled mixers are provided in separate documentation.



On 400 VAC models, the direction of rotation can be reversed by interchanging any two incoming supply phases. Electrical circuit diagrams are included with the documentation supplied with the mixer.

2. INSTALLATION AND OPERATION

3.3. Safety Interlocking System

3.3.1. Electrical Interlocking Switch

If equipped with the electrical safety interlocking switch. electrically controlled mixer cannot be started if it is not correctly mounted on the pallet container. This is ensured by the safety limit switch with a dedicated mechanism with a spring. If the mixer does not start despite proper mounting, the safety switch may be mounted incorrectly. When toggling the switch, a clicking sound should be audible. Mounting the switch too close to the edge will prevent the mixer from starting.

Check whether the system activates when the block mechanism with the spring is removed. After performing the check, the mechanism must be reassembled, and the switch and block alignment should be adjusted. Next, verify that the electrical connections have been made according to the electrical schematic. These tasks should be performed with the power off
and only by qualified personnel



and retighten the bolts securely. After adjustment, verify that the switch consistently permits operation when the pneumatic connection is in place. All work on the system must be carried out with the air supply depressurized and only by qualified personnel.

3.3.2. Pneumatic Interlocking Switch

In some configurations, the mixer may be fitted with a pneumatic safety interlocking switch designed to prevent operation unless sufficient air pressure is supplied and the pneumatic connection is properly secured. This optional safety feature ensures that the mixer cannot be activated under unsafe conditions.

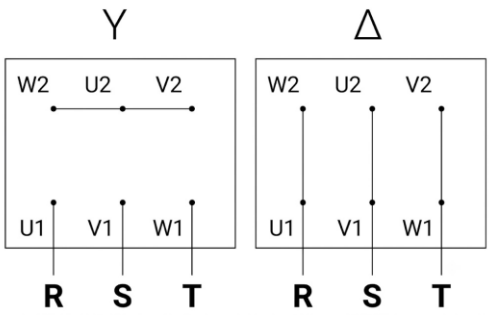
If the mixer does not start, confirm that the air supply is connected correctly and that the system pressure meets the specified operating requirements. The interlock will only disengage when these conditions are met.

Proper functioning of the switch also depends on its correct mounting position. The switch is fixed in place using three bolts and must be installed at an appropriate height to ensure correct alignment with the actuator. If the switch is positioned too high or too low, it may not activate properly, preventing the mixer from starting even when the pneumatic system is correctly connected.

To adjust the position, loosen the three mounting bolts, shift the switch vertically as needed,

3.4. Troubleshooting Guide

Fault	Possible cause	Action	Drive
Mixing performance is inadequate	Impeller is turning in the incorrect direction	Restore the correct direction of rotation. The shaft must rotate clockwise when viewed from above.	Electric / VFD
	Impeller is turning in the incorrect direction	Reconfigure the pneumatic connections to achieve clockwise shaft rotation when viewed from above.	Pneumatic
	Impeller not properly secured	Mount the impeller as specified in Section 2.4 and secure the retaining screws.	All Drive Types
	Shaft not fully engaged in the coupling	Tighten the shaft-retaining grub screws.	All Drive Types
	Folding blades of impeller fail to deploy	Correct the impeller installation and ensure sufficient clearance for unrestricted blade movement.	All Drive Types
	Product viscosity or density exceeds expected values	Consult Tapflo or an authorised distributor for application recommendations.	All Drive Types
	Speed set is too low	Increase speed at VFD panel.	VFD drive
Mixer does not start	Fault with mains supply	Check voltage at contactor input terminals	Electric / VFD
	Motor locked rotor	Check motor is free to turn	Electric / VFD
	Faulty contactor coil	Check if the contactor operates	Electric
	Loose connections	Check the wiring and connections	Electric / VFD
	Safety switch not releasing	Press the operating block and check whether the safety switch releases. Re-position the safety switch to release when the block is pressed. If the problem persists remove the block and check again.	Electric / VFD
	Air motor is seized	Flush the air motor. Confirm that the air supply is clean and lubricated. Inspect the air-line lubricator, refill it and adjust it as required.	Pneumatic
Overload relay trips at start	Wrong overload relay fitted	Check overload relay rating	Electric drive
	Wrong wiring connections	Check wiring against the diagram	Electric and VFD drive
Overload relay trips after several minutes	Wrong overload relay fitted	Check overload relay rating	Electric drive
	Overload relay set to the wrong value	Check setting on overload relay	Electric drive
	Product different - higher SG or viscosity product being mixed	Contact Tapflo or your local distributor for advice	Electric drive
Motor starts but has low torque or does not reach full speed	3-phase motor is single phasing	Check that motor connections are correct. Check for loose connections in wiring and at motor terminals. Check that the voltage on each motor winding the correct value.	Electric and VFD drive

	Motor intended for Delta is connected in Star	Check motor connections.  	Electric and VFD drive
Insufficient Air Motor Speed	Air motor lubrication is insufficient	Refill the air-line lubricator and adjust the lubrication rate as required.	Pneumatic
	Contamination within the air motor	Flush the air motor and restore a clean, properly lubricated air supply. Refill and adjust the air-line lubricator as required.	Pneumatic
	Damaged air-line control components	Replace any damaged flow-control components and associated fittings.	Pneumatic
	Obstructed exhaust muffler	Restore unrestricted airflow through the muffler and fit a new felt element.	Pneumatic

4. SUPPLEMENTARY INSTRUCTIONS

4. MAINTENANCE AND SERVICE

4.1. Routine maintenance

Before any maintenance work: Disconnect from power supply or depressurize air supply.

Every 6 months

During the six-month maintenance inspection, verify that all fasteners remain securely tightened and inspect the mixer assembly for signs of wear, damage, or deterioration. Particular attention should be given to the gearbox, electric motor, and pneumatic motor exhaust muffler, which should be kept free from contamination and product build-up.

Electrical components, power cables, and pneumatic lines should be visually examined for damage or deterioration. Any defective item shall be repaired or replaced before the mixer is returned to service. Electric motors are maintenance-free and do not require internal servicing. In the event of a motor failure, the complete motor should be replaced.

Every 12 months

In-service inspection and testing of electrical equipment - Formally inspect and test electrical components and cables in accordance with local regulations.

4.2. Lubrication

Electric motor bearings are sealed for life, and do not require any maintenance or re-lubrication.
The gearboxes are factory filled with ISO VG 220 food grade lubricant and sealed for life.
Air line lubrication - use SAE #10 motor oil or equivalent for the air line lubrication.

4.3. Tightening Torques

Apply the tightening torques listed below unless alternative values are specified for a particular assembly.

For stainless-steel fasteners, all threaded and contact surfaces should be lubricated during assembly using a suitable grease, oil, or anti-seize compound. Proper lubrication minimizes thread galling and promotes consistent preload.
If lubrication is not used, multiply the listed torque values by **1.25**.

Assembly using dry stainless-steel fasteners is discouraged.

Fastener Size	Tightening Torque for Stainless Steel Fasteners [Nm]
M6	7
M8	17
M10	33
M12	57
M16	140

4. SUPPLEMENTARY INSTRUCTIONS

4.4. Air Motor - flushing

Flushing is recommended whenever a noticeable reduction in air motor performance is observed. The procedure removes accumulated contaminants such as dirt, wear particles, moisture, and excess oil that may enter the motor during normal operation. Regular flushing helps maintain efficient vane operation and consistent motor performance.

Safety Precautions

Carry out the flushing procedure in a well-ventilated location. Keep clear of the exhaust discharge and wear appropriate eye protection throughout the procedure.

Flushing Fluid

Use **Gast AH255B Flushing Solvent** or an equivalent industrial cleaning fluid that is **non-toxic** and **non-flammable**. Combustible cleaning agents, including paraffin and similar solvents, must not be used for flushing the air motor.

4.5. Material Disposal

When the mixer is permanently withdrawn from service, all components shall be separated and disposed of in accordance with applicable environmental legislation and local waste-management requirements.

The mixer assembly consists predominantly of recyclable metallic materials, including stainless steel, aluminium, and cast iron. These materials should be recovered and processed through appropriate recycling channels whenever possible.

Before disposal, all gearbox lubricants and any residual oils or greases must be drained and collected separately. Such substances shall not be released into the environment and must be handled by authorised waste-disposal or recycling facilities.

4.6. Ordering Spare Parts

For service, repair, and replacement activities, the use of original Tapflo spare parts is strongly recommended. The use of non-approved components may affect equipment performance and operational reliability.

To assist with correct part identification, please include the following details with every spare parts enquiry:

- Serial number shown on the mixer nameplate
- Item number from the relevant drawing or spare parts list
- Required quantity

5. WARRANTY

5. WARRANTY

5.1. Returning parts

When returning parts to Tapflo please follow this procedure:

- Consult Tapflo for shipping instructions.
- Cleanse or neutralize and rinse the parts. Make sure there is no liquid or other media present.
- Pack the return articles carefully to prevent any damage during transportation.

Goods will not be accepted unless the above procedure has been complied with.

5.2. Warranty

Tapflo warrants products under conditions as stated below for a period of not more than 12 months from installation and not more than 18 months from date of manufacturing.

1. The following terms and conditions apply to the sale of machinery, components and related services and products, of Tapflo (hereinafter "the products").

2. Tapflo (the manufacturer) warrants that:
   a. its products are free of defects in material, design and workmanship at the time of original purchase;
   b. its products will function in accordance with Tapflo operative manuals; Tapflo does not guarantee that the product will meet the precise needs of the Customer except for those purposes set out in any invitation to render documents or other documents specifically made available to Tapflo before entering into this agreement;
   c. high-quality materials are used in the construction of the mixers and that machining and assembly are carried out to the highest standards.

   Except as expressly stated above, Tapflo makes no warranties, express or implied, concerning the products, including all warranties of fitness for a particular purpose.

3. This warranty shall not be applicable in circumstances other than defects in material, design and workmanship. In particular warranty shall not cover the following:

   a. Periodic checks, maintenance, repair and replacement of parts due to normal wear and tear;
   b. Damage to the product resulting from:
      b.1. Tampering with, abuse or misuse, including but not limited to failure to use the product for its normal purposes as stated at the time of purchase or in accordance with Tapflo instructions for use and maintenance of the product, or the installation or improper ventilation or use of the product in a manner inconsistent with the technical or safety standard in force;
      b.2. Repairs performed by non-skilled personnel or use of non-original Tapflo parts;
      b.3. Accidents or any cause beyond the control of Tapflo, including but not limited to lightning, water, fire, earthquake and public disturbances etc.;

5. WARRANTY

4. The warranty shall cover the replacement or repairing of any parts, which is documented faulty due to construction or assembling, with new or repaired parts free of charges delivered by Tapflo. Parts subjected to normal tear and wear shall not be covered by the warranty. Tapflo shall decide as to whether the defective or faulty part shall be replaced or repaired.

5. The warranty of the products shall be valid for a period in accordance to the current law from the date of delivery, under the condition that notice of the alleged defect to the products or parts thereof be given to Tapflo in written within the mandatory term of 8 days from the discovery. Repair or replacement under the terms of this warranty shall not give a right to an extension to or a new commencement of the period of warranty.

6. Repair or replacement under the terms of this warranty shall not give a right to an extension to, or a new commencement of, the period of warranty. Repair or replacement under the terms of this warranty may be fulfilled with functionally equivalent reconditioned units. Tapflo qualified personnel shall be solely entitled to carry out repair or replacement of faulty parts after careful examination of the mixer. Replaced faulty parts or components will become the property of Tapflo.

7. Installation, including electric and other connections to utility mains according to Tapflo drawings, is for the cost and responsibility of the customer unless otherwise agreed in writing.

8. Tapflo will not be liable on any claim, whether in contact, tort, or otherwise, for any indirect, special, incidental or consequential damages caused to the customer or to third parties, including loss of profits arising by any possible infringement of par. 3 above or by the customer or third parties being in the impossibility of using the products.

TAPFLO AB

Sweden

Filaregatan 4 | S-442 34 Kungälv

Tel: +46 303 63390
Fax: +46 303 19916

E-mail addresses:
Commercial questions: sales@tapflo.com
Orders: order@tapflo.com
Tech support: support@tapflo.com

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.

AUSTRALIA | AUSTRIA | AZERBAIJAN | BAHRAIN | BELGIUM | BOSNIA & HERZEGOVINA | BRAZIL | BULGARIA | CANADA | CHILE | CHINA | COLOMBIA | CROATIA | CZECH REPUBLIC | DENMARK | ECUADOR | EGYPT | ESTONIA | FINLAND | FRANCE | GEORGIA | GERMANY | GREECE | HONG-KONG | HUNGARY | ICELAND | INDIA | INDONESIA | IRELAND | ISRAEL | ITALY | JAPAN | JORDAN | KAZAKHSTAN | KUWAIT | LATVIA | LIBYA | LITHUANIA | MACEDONIA | MALAYSIA | MEXICO | MONTENEGRO | MOROCCO | NETHERLANDS | NEW ZEALAND | NORWAY | POLAND | PORTUGAL | PHILIPPINES | QATAR | ROMANIA | SAUDI ARABIA | SERBIA | SINGAPORE | SLOVAKIA | SLOVENIA | SOUTH AFRICA | SOUTH KOREA | SPAIN | SWEDEN | SWITZERLAND | TAIWAN | THAILAND | TURKEY | UKRAINE | UNITED ARAB EMIRATES | UNITED KINGDOM | USA | UZBEKISTAN | VIETNAM

Tapflo Group Companies

Australia
Tapflo Oceania (Pty) Ltd.
Tel: +61 1800303633
sales@tapflo.com.au

Austria
Tapflo GmbH
Tel: +43 73227292910
sales@tapflo.at

Baltic States
Tapflo SIA
Tel: +371 67472205
sales@tapflo.lv

Belgium
Tapflo Benelux B.V.
Tel: +31 (0)850074300
info@tapflo.nl

Bulgaria
Tapflo EOOD
Tel: +359 (0)29741854
office@tapflo.bg

Canada
Tapflo Canada
Tel: +1 5148135754
canada@tapflo.com

China
Tapflo (Wuxi) Pumps Co. Ltd.
Tel: +86 51082417072
sales@tapflo.cn

Croatia
Tapflo d.o.o.
Tel: +385 914884666
sales@tapflo.hr

Czech Republic
Tapflo s.r.o.
Tel: +420 513033924
tapflo@tapflo.cz

Denmark
Tapflo Danmark ApS
Tel: +45 36454600
info@tapflo.dk

France
Sarl Tapflo France
Tel: +33 134788240
info@tapflo.fr

Hungary
Tapflo Kft.
Tel: +36 30148 8551
office@tapflo.hu

India
Tapflo Fluid Handling India Pvt Ltd.
Tel: +91 2065000215
ac@tapflo.in

Ireland
Tapflo Ireland Ltd.
Tel: +353 12011911
info@tapflo.ie

Italy
Tapflo Italia S.r.l.
Tel: +39 0362306528
info@tapfloitalia.com

Japan
Tapflo Japan K.K.
Tel: +81 362403510
tapflojp@tapflo.co.jp

Kazakhstan
Tapflo LLP
Tel: +7 7273278347
sales@tapflo.kz

Netherlands
Tapflo Benelux B.V.
Tel: +31 (0)850074300
info@tapflo.nl

Poland
Tapflo Sp. z o.o.
Tel: +48 585304212
info@tapflo.pl

Romania
S.C. Tapflo Rom. S.r.l.
Tel: +40 213451255
sales@tapflo.ro

Serbia
Tapflo d.o.o.
Tel: +381 21445808
sales@tapflo.rs

Slovakia
Tapflo s.r.o.
Tel: +421 911137883
tapflo@tapflo.sk

Slovenia
Tapflo d.o.o.
Tel: +386 68613474
sales@tapflo.hr

Spain
Tapflo Ibérica S.L.
Tel: +34 918093182
avives@tapfloiberica.es

South Africa
Tapflo (Pty) Ltd.
Tel: +27 317015255
sales@tapflo.co.za

Sweden
Tapflo AB
Tel: +46 (0)30314050
info@tapflo.com

Turkey
Tapflo Makina Ltd.
Tel: +90 2164673311
sales@tapflo.com.tr

Ukraine
Tapflo LLC
Tel: +380 442226844
sales@tapflo.ua

Uzbekistan
Tapflo Uzbekistan
Tel: +998 712370940
sales@tapflo.uz

United Kingdom
Tapflo (UK) Ltd.
Tel: +44 2380252325
sales@tapflopumps.co.uk

If your country is not listed please visit www.tapflo.com/en/contact

www.tapflo.com

Tapflo is a registered trademark of Tapflo AB. All rights reserved.

Information in this document is subject to change without notice. Reproduction in any manner without written permission of Tapflo Group is forbidden. Tapflo Group reserves the right to make changes in product design, or detail, and to discontinue any product or material without notice.