M.I.P
TANKS & SILOS

Manual

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1. General information

Due to the unique physical and structural properties of tanks and silos made of GLASS FIBER REINFORCED PLASTIC (GRP), they are

- Flexible.
- Light weight.
- Corrosion resistant.
- High-quality insulating.
- Less sensitive to condensation.
- UV resistant (coating).
- Low maintenance.
- Ultra smooth.
- Semi-transparent.

The maintenance and use of GRP tanks and silos is largely based on common sense. Please respect and follow the instructions in this manual for the most trouble-free use.

If you have any questions or if there are any special circumstances that need to be discussed, please do not hesitate to contact us.

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2. Displacement

Observe the following precautions before moving (handling) the tank or silo.

1. A tank or silo must always be empty before it is moved.
2. A tank or silo should NEVER be rolled or pushed. Lift the tank or silo with a crane or use another approved method.
3. The operator of a hoist must always follow proper hoisting procedures. NEVER sway a tank or silo in such a way that you lose control.
4. Do not drop or hit any tools, spreader bars, etc.
5. Avoid using equipment in the tank or silo that could scratch or damage the inner corrosion protection layer.
6. NEVER use cables or chains around the tank or silo.
7. NEVER lift a tank or silo using fittings. Gebruik speciale hijsapparatuur.
8. If a tank or silo is stored for installation, lay it on a soft surface and fix it firmly..

3. Placement

Special requirements

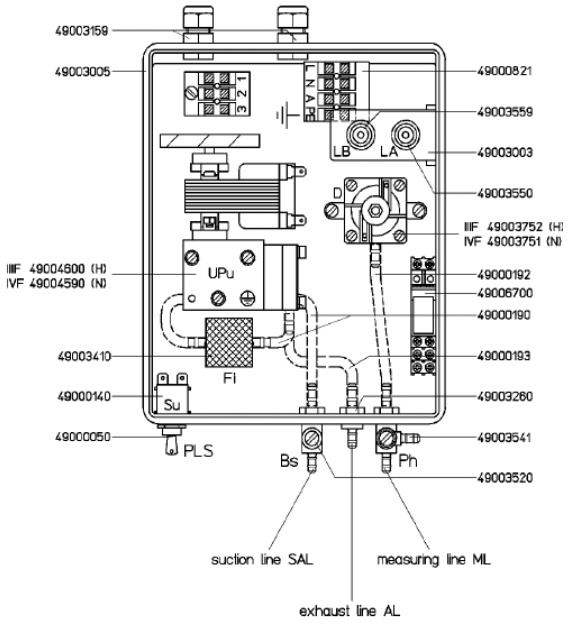
If this tank requires a KIWA certification in accordance with BRL-K21011/02, the following aspects must be taken into account:

1. ALWAYS FOLLOW NATIONAL LAWS AND REGULATIONS! It concerns the national legislation, European directives and/or the laws, safety and accident prevention regulations in force in the user's country. The relevant legal regulations and technical rules in force must be observed during installation, use and maintenance of the tank.
2. The installation must be carried out by an installation company in accordance with the requirements of BRL-K903.
3. The cleaning of the tank must be carried out by a company that is certified according to the requirements of BRL-K905.
4. All connections must be field tested under pressure at 0.3 bar(g).
5. A hydrostatic test with medium must be performed on site. The duration of this test is 24 hours. (this only applies to tanks with a medium with a specific gravity > 1.0)
6. Pay particular attention to the instructions and the image at the bottom of this page regarding leak detection. Always connect the outlet line AL to the vent line of the tank installation.
7. In the event of damage, the end user is always obliged to contact the manufacturer immediately (within 48 hours) for further instructions. Never repair damage without contacting the manufacturer. All evidence of cause may be erased by this repair and will void your warranty.
8. For tanks we recommend a water test to rule out that no damage/leakage has occurred during transport or installation. Or perhaps it is possible to monitor the first filling properly.

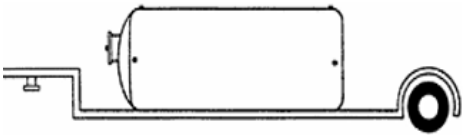
Leak detection

Look at the image on the right. The exhaust line AL must be connected to the vent line by the installer. If the leak detection device is used on a tank with an aggressive medium against steel, a safety valve is installed. This 'valve' must be installed on the suction line (SAL). In the event of an internal leakage, this 'valve' prevents the aggressive medium from entering the pump and destroying it, which can cause a lot of damage.

If this valve is not installed, M.I.P. not be held responsible. For further questions, please contact M.I.P. via +32 3 311 68 66.

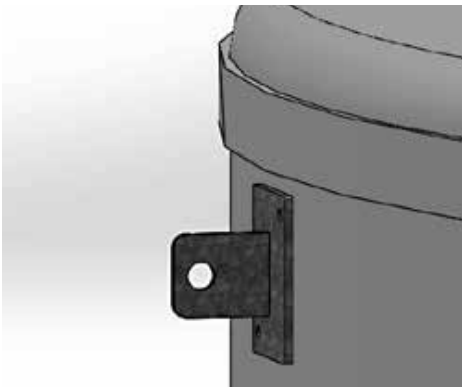


Larger tanks transported by purpose-built trailers require a spreader beam and slings attached to the appropriate lifting eyes to unload the tanks. Use a guidance line to control the load..

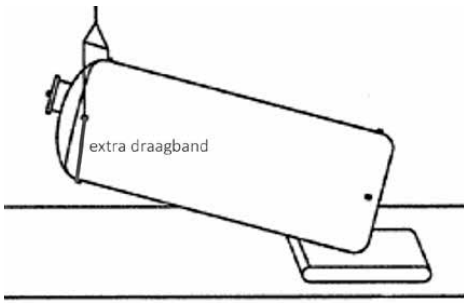


Tank placement with only lifting eyes above

Set the tank down by lifting with the spreader bar and straps attached to the lifting eyes. Use **sufficient protective material** to protect the pivot point. Check the tank with guide lines to make sure the tank is placed gently on its pedestal. For larger tanks, provide an extra sling under the tank.

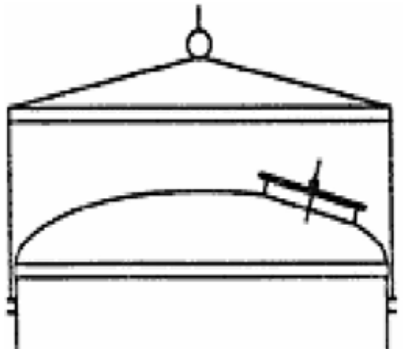


Example lifting eye above



Tank placement with lifting eyes above

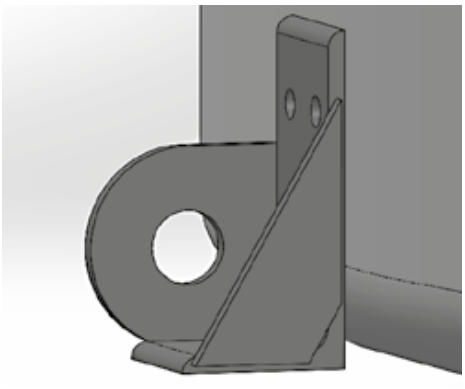
Use a spreader bar and slings attached to the appropriate lifting eyes to move the tank when upright.



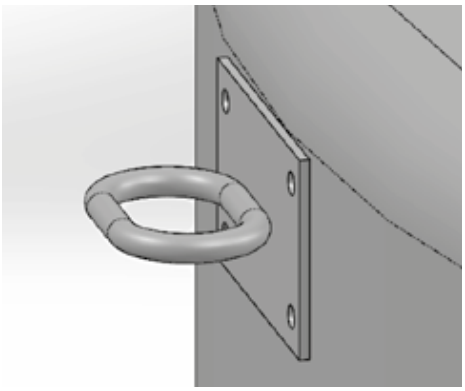
Spreader bar example

Tank placement with lifting eyes at the bottom and guide eyes at the top

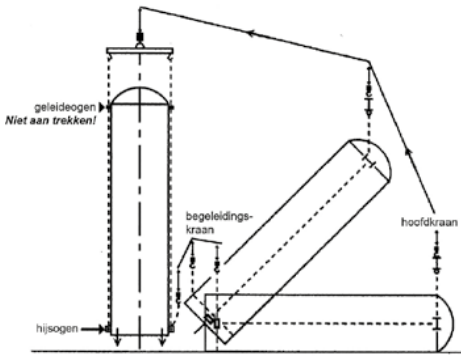
1. Fasten the lifting equipment to the lifting eyes at the bottom. If the tank is equipped with 4 lifting eyes, then all 4 lifting eyes must be used.
2. Feed the lifting sling through the guide eyes.
3. For larger tanks, provide an extra sling under the tank.
4. Make sure that the guides are loaded as little as possible. The lifting eyes must bear the load of the tank



Example lifting eye below



Example guide eye



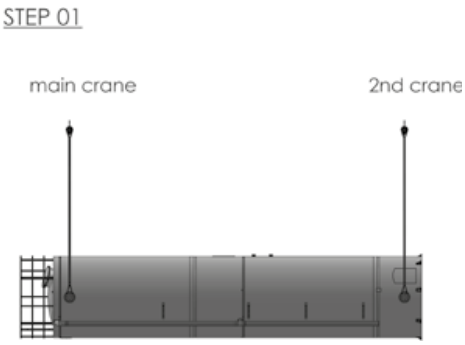
Tank placement with lifting eyes at the bottom and guide eyes at the top

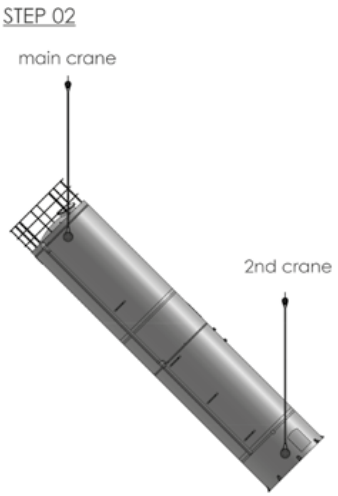
Remark

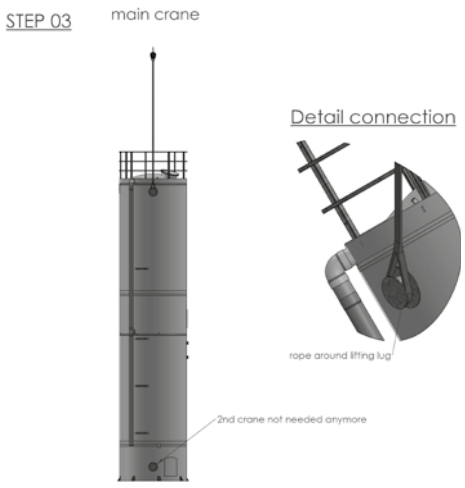
With a heavy tank (from approximately 100m^3 content) a second guide valve is strongly recommended.

Tank placement with round lifting eyes at the bottom and top

1. Fasten the lifting equipment to the lifting eyes.
2. Provide one spreader per crane.

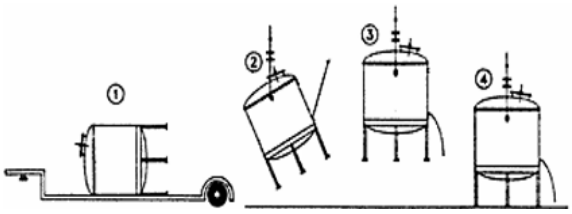




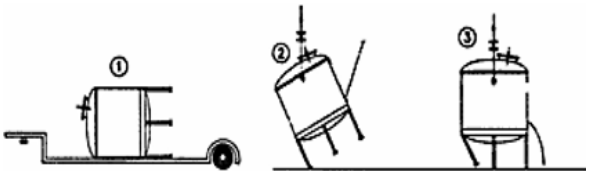


Placement flat botom silo

When setting up a flat bottom silo, DO NOT turn the silo on its legs. Lift the complete silo. Rotate it to a vertical position. Set him straight on all legs.



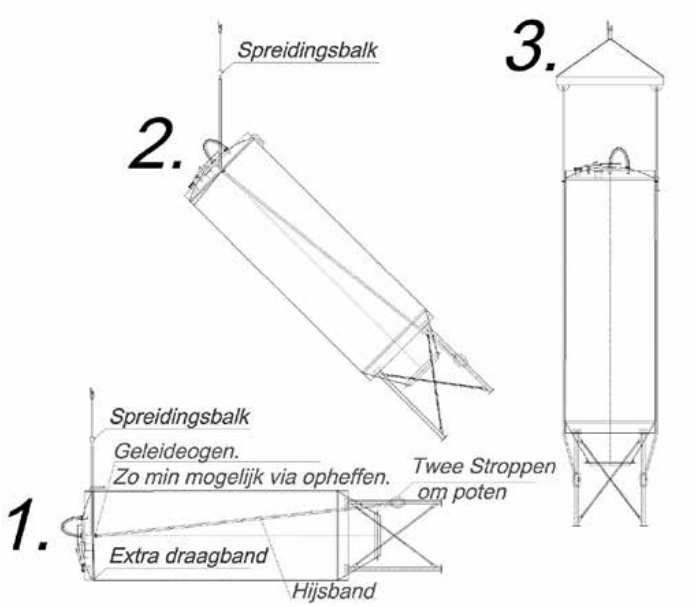
Correct



Incorrect

Placement silo

1. Fasten the two lifting straps with slings to the legs at the bottom.
2. Feed the lifting sling through the guide eyes.
3. For a larger silo, provide an extra sling under the silo.
4. Make sure that the guides are loaded as little as possible. The slings should bear the load of the tank.



Remark

With a heavy silo (from approx. 100m³ content) a second guiding crane is stronly recommended.

4. Installation

Surface

The support (plinth) must be clean and free of all foreign objects before setting the tank in place. Cut off what is needed and brush and clean the support.

Make sure the foundation is flat and level. Within a tolerance of 2 mm/m with a maximum deviation of 5 mm. Tanks and silos must be erected vertically with a maximum deviation of 0.5°.

On uneven foundations or in case of an uneven tank bottom, new support material of sufficient thickness should be used to ensure that the foundation makes contact with the bottom.

Flat bottom tanks require continuous ground/support. The most commonly used support is a concrete slab. However, another support structure with sufficient strength to support the weight of the tank and its contents is also acceptable. After pouring concrete, allow for a minimum drying time of 2 weeks. M.I.P. is not responsible for damage to the tank or silo that is caused by an unsound surface.

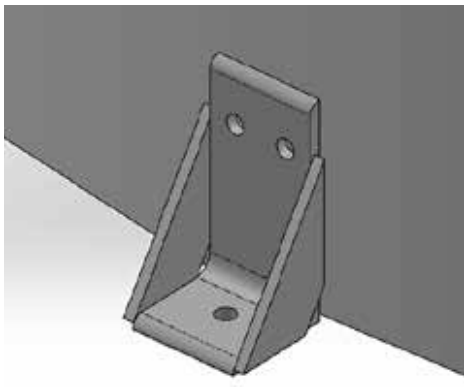
Anchoring

The required anchor feet or anchor plates are supplied as standard parts on all tanks and silos. When agreed upon at the time of sale, the anchor bolts and clamping parts are also supplied by M.I.P.

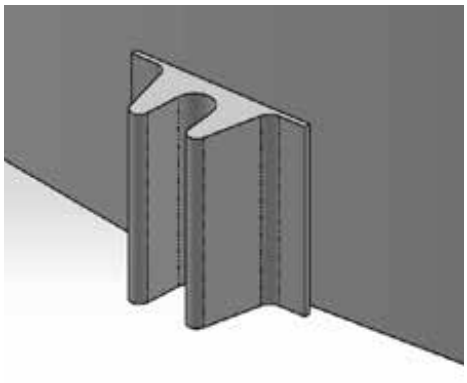
Do not overtighten the anchor base or anchor plate:
max. torque of 20 Nm.

The sole purpose of the anchor foot or anchor plate is to hold the tank or silo in place, especially in high winds.

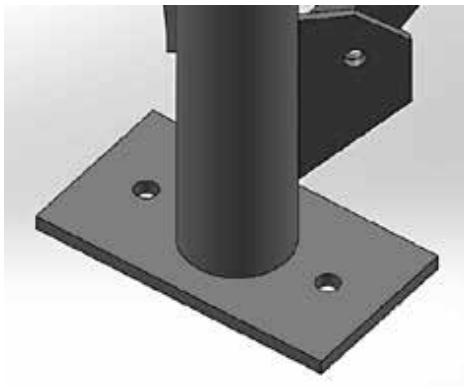
Do not locate or place anchor holes or bolts in the substrate prior to receiving the tank or silo. M.I.P. is not responsible for pre-placed anchor holes and anchor bolts.



Example steel anchor base tank



Example GRP anchor base tank



Example anchor plate silo

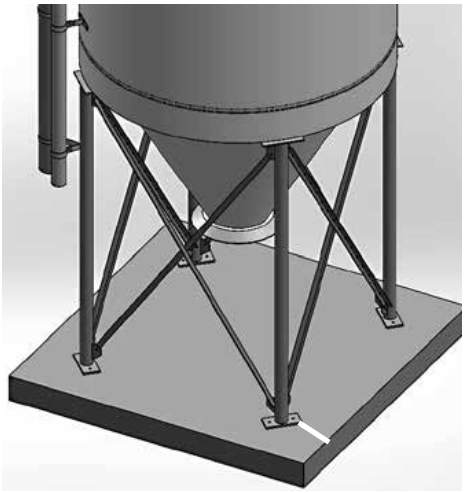
Mat for tanks

A PE mat (with a thickness of at least 2 mm) under flat bottoms to compensate for small irregularities in the substrate is recommended for larger tanks. When applying the PE mat, make sure that there are no overlaps or wrinkles that create edges under the bottom.

Installation silo

The surface of the support material must be smooth and flat. The concentrated nature (3 or 4 legs) of the silo must be taken into account, which means that the foundation under each leg spreads the load of the silo over a larger area.

The silo is designed to provide firm and even support for each of its legs. Where support, floors and legs are uneven, it may be necessary to use shims or shims on the floor support for each leg to ensure even support.



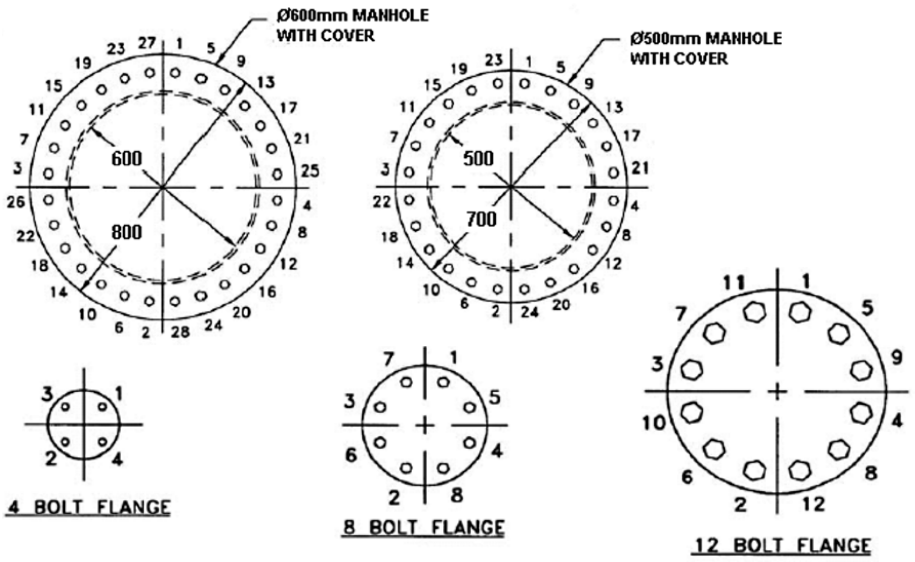
Distance from outside of leg to outside of foundation at least 300mm.

Pipe connections

Where possible, flexible pipe connections should be used. Make sure that the pipes are self-supporting. Damage to a fitting due to a non-flexible and non-self-supporting tube is not covered by the warranty.

Bolt mounting

A torque wrench **should be used** when attaching GRP flanges to flange connections. Only use full packing pieces (intermediate rubbers). Follow the bolt mounting procedure when tightening the manholes or flanges. Do **not** use excessive torque for flange bolts.



Volgorde voor vastdraaien van bouten

Maximum torque of flanges

Diameter (mm)	Voltage value	Maximum torque (Nm)
25	125	20
50	125	30
65	125	55
80 up to 125	125	60
150	100	100
200 up to 250	50	100
300	50	130
350	50	130
350	50	170
400	25	140
Manhole (500)	25	100

5. Usage

General

The tank or silo is sold for the application of specific storage medium. Consult M.I.P. before changing the environment (your warranty may become void without the written consent of M.I.P.).

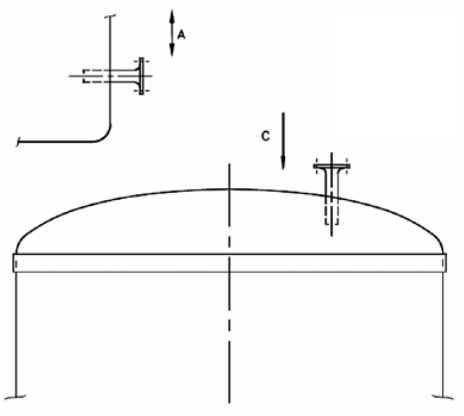
Ensure proper use and maintenance of the tank or silo:

- Carefully maintain the tank or silo and its components.
- Never fill a tank or silo without installing the anchorage first.
- The maximum short-term filling pressure is 1.2 bar. Higher pressure can damage the tank or silo.
- Ensure good ventilation during filling or emptying.
- Only use the tank or silo up to a maximum working temperature of 40°C or otherwise when specifically agreed.
- Make sure that additional components to be mounted or components other than those supplied or calculated are self-supporting.
- Standard tanks and silos are not designed for pressure or vacuum other than liquid head.
- If you are not going to use the tank or silo for a long time, make sure it is empty and cleaned inside.
- A screw must be self-supporting and must be mounted with a flexible part between the outlet of the silo.
- Aeration nipples should only pulse during emptying of the silo in a rhythm of 1 second on and 5 seconds off. The maximum pressure for this is 3.3 bar.

Load flange

The permissible load of a flange with a raised edge without reinforcing plate:

Size of flange	A and C
25 mm	15 kg
50 mm	22 kg
65 mm	22 kg
80 mm	22 kg
100 mm	22 kg
125 mm	22 kg
150 mm	22 kg
200 mm	45 kg
250 mm	45 kg
300 mm	45 kg



Additional points of attention for silo

- Keep the silo (and surroundings) free from moisture or damp storage, to prevent, among other things, bridging. Bridging should be avoided. When bridging occurs, take measures to ensure that bridging does not occur again. This can be discussed with the supplier of the stored bulk goods. Possible solutions are dehumidifiers, air dryers, ventilation options or a transport worm.
- The funnel of a silo must be able to move freely a few centimeters.

6. Inspection and maintenance

Inspection

Upon delivery, inspect the tank or silo for damage that may have occurred during transportation. Inspect both the inside and outside. If there is damage, indicate this on the delivery note, before signing for approval, the factory must be contacted immediately before unloading the truck or accepting the product.

Maintenance

1. Follow the instructions for handling and installation.
2. If the tank or silo is ever damaged, it will be obvious.
3. Completely empty the tank or silo at least once a year, so that you can check it completely for damage and leaks.
4. Perform a visual inspection of the inside and outside regularly (at least annually)..
    a. Check for possible damage.
    b. Check all bolts (flanges, manholes, anchorages, etc.) and tighten where necessary.
    c. Check that the breather tube is not clogged.
5. Regularly check that all bolts of the anchors and/or construction are still sufficiently tightened. Turn where necessary.
6. The filling line is subject to the most wear. The filler bends in particular wear out over time. Worn filler elbows must either be replaced or capped.
7. Silicone seams that have hardened and cracked over time should be removed and resealed.
8. If your silo or tank has a revolving platform or a GRP support ring on the roof, the rainwater drainage should be checked regularly for blockages by leaves, etc.

Cleaning instructions

	Action	Remarks	Compliant Yes	No
1	Use a hot water high-pressure cleaner with operating pressure of max. 150 bar and max. 750 l/h. Temperature max. 70°C.	It is very important to use a **flat jet nozzle** to avoid damage to inner wall.		
2	Clean the tank or silo inside from top to bottom.	Distance between wall and **flat jet nozzle** min. 600 mm. To avoid damage, we recommend the use of the cleaning product Bio-Prokleen. **If you want to use other cleaning products, please ask permission from M.I.P.**		
3	Rinse the tank or silo with hot water 70°C.			
4	Dry the tank or silo from below with a hot air device.	All moisture must have been blown out of the tank or silo. This is very important to avoid mold and mushrooms. A professional cleaning company can do moisture measurements. This way you can be sure that the tank or silo can be used again.		

Additional points of attention for silo maintenance

If crusts form on the inside of the silo roof, this indicates condensation. Filling with hot products or bulk goods with a high moisture content causes humidity at the top of the silo. If the silo is not cleaned regularly, blockages can occur that can lead to damage to the valves or transport systems. The prevention of moisture and condensation is therefore important. If necessary, an additional venting system, such as an air dryer, should be installed. Regular cleaning of the silo is recommended (once a year).

7. Repairs

Consult M.I.P. when a repair is deemed necessary by you.

Minor damage can be repaired at the delivery location. All cracks and air bubbles should be repaired by trained personnel.

If the purchaser attempts to repair a product or take other action before notifying M.I.P. and before M.I.P. sufficient opportunity to inspect and correct the affected product, as deemed necessary by the manufacturer, M.I.P. shall not be held liable for costs incurred by the purchaser. This will void the warranty.

8. Safety

Safety is M.I.P.'s top priority for customers, suppliers, employees and animals. Read the manual carefully to ensure safe handling of the tank or silo and related products.

Safety is everyone's responsibility. You protect yourself and others by safely handling products for daily work.

General safety guidelines tanks and silos

When locating a tank or silo, keep the following in mind:

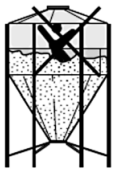
- Place the tank or silo in a safe area.
- Avoid the proximity of electrical lines that may come into contact with the tank or silo.
- Avoid placing the tank or silo on lower ground. This way the tank or silo and any electrical cabling cannot come into contact with water or other conductors.
- Wear gloves, safety helmet and shoes, etc...when assembling and installing.
- Wear safety goggles when drilling, sawing, grinding or other work where dust and burrs can be released.
- Secure the mounting tool when working at the top of the tank or silo.
- Do not lift too heavy weights (maximum 25 kg).
- Provide an easy point of contact in case of problems (emergency, injuries, etc.)
- Keep the manual in an easily accessible and safe place.
- When entering a tank or silo, make sure that additional ventilation facilities are available due to limited natural ventilation.
- When entering the tank or silo, have a second man standing guard at the manhole.
- Some parts or installation components (such as an auger) may have additional regulations. Read these instructions carefully and follow them.
- Before opening a cylinder man hatch, a visual inspection must first be carried out (along the manhole on the roof). This is to ensure that there is no longer any product in the tank or silo. Particularly above a funnel man hatch of a silo (bridge formation).

GEVAAR

Never open the access hatch when there is feed in the silo!

WAARSCHUWING

Place the material in a safe place to avoid electric shock. Secure the area around the control box. Turn off the power while working on the installation.



WAARSCHUWING

You can choke on the food. Therefore, never enter the silo that contains material.

You can only enter an empty silo if you:

1. have turned off all power
2. use a safety harness and leash
3. are wearing a modified respirator
4. have someone outside the silo to assist

Electrical devices

Some points of attention when using electrical appliances;

- There must be a free space of at least 70 cm for the operation of electrical panels.
- A rotating appliance (agitator) must be fitted with a zero voltage switch and emergency stop. A zero voltage switch ensures that the machine does not start running automatically when the voltage suddenly drops and is then turned back on. The zero voltage switch must then be consciously switched.
- Electrical appliances must be earthed.
- Electrical cabinets must be kept closed at all times. The key to the electrical box must be in the possession of a competent person.
- The necessary measures must be taken by the user to keep rats, mice and other vermin from the plates.
- If electrical appliances, boards, components and motors are damaged, the installation must be stopped **immediately**.
- Electrical appliances, boards, components and motors must **never** be sprayed with water or any other liquid.
- Electrical appliances, boards, components and motors should **never** be covered with additional material.

Cage ladder

- Permissible weight on the cage ladder = 200 kg.
- **Never** step on a damaged or poorly installed ladder.
- Keep the rungs free of mud or other slippery material.
- Wear non-slip footwear.
- **Never** climb a ladder if your physical condition is not optimal (if you are tired, under the influence of medication, alcohol, drugs, or if you are in unstable health).
- Watch the ladder as you climb or descend. Get a good grip.
- When climbing a roof ladder, wearing a safety harness is mandatory.
- **Never** enter the explosion hatches.

9. Warranty and conditions

Warranty

M.I.P. Solutions NV guarantees its manufactured products against defects in material and workmanship for a period of 2 years after delivery.

Should the buyer have a complaint and M.I.P. Solutions NV agree that the product is defective based on this warranty, M.I.P. Solutions NV, at its option, will replace or repair the product or refund the purchaser, provided that the product is in the possession of the original purchaser and that the product has been used for its original purpose and design. Furthermore, we refer you to the condition, as included in this manual.

Conditions

The general terms and conditions of delivery apply to all purchase agreements of M.I.P. and to all its services, unless expressly agreed otherwise in writing.

If the buyer does not comply with the instructions in this manual, the warranty will be invalidated. The instructions in this manual are recommendations. They do not release the purchaser from full responsibility for proper installation and use. The purchaser is solely responsible for incorrect installation or use, resulting in damage or malfunction.

Any changes, modifications or alterations to the product by the purchaser will void the warranty.

Delivery checklist

Tank/Vessel:	
Manufacturer:	Site of manufacture:
Tank/Vessel-No:	Date of manufacture:

Purchaser:	Address:
Purchaser No:	Date:

Transporter:	Address:
Vehicle registration No:	Loading point:
Place of destination:	Drivers name:

Supervising company:	**Supervisor:**
Checks before loading:	Yes/no
Tank/vessel inspected and cleared for loading:	
Transport vehicle adequate for tank/vessel:	
Load area/supportings cleared for loading:	
Loading conditions acceptance:	
Passed for loading	**Verified by:**

Checks after loading:	
Tank/vessel without visual damage:	
Tank/vessel supported and secured:	
Tank/vessel cleared for despatch:	
Passed for despatch	**Verified by:**
Place and date:	

Supervising company:	**Supervisor:**
Checks before off-loading:	Yes/no
Tank/vessel without visual damage:	
Supports and securings without objections:	
Ground/foundation cleared for storage/installation:	
Off-loading conditions acceptance:	
Passed for off-loading	**Verified by:**

Checks after off-loading:	
Tank/vessel without visual damage:	
Tank/vessel in horizontal/vertical orientation:	
Tank/vessel supported and secured:	
Tank/vessel passed for installation	**Verified by:**
Place and date:	

Installation checklist

Tank/Vessel:	
Manufacturer:	Site of manufacture:
Tank/Vessel-No:	Date of manufacture:

Purchaser:	Address:
Purchaser No:	Date:

Installer:	Address:
Installer approved by:	Date:
Installer site:	Site foreman:

Supervising company:	**Supervisor:**
Checks before installation:	Yes/no
Tank/vessel position cleared by drawingno.:	Date:
Installation instructions received and cleared:	
Nozzles blanked/covered property:	
Fully support with/without compensating material/shims:	
Installation equipment/devices inspected and cleaned:	
Installation conditions acceptable/ambient temperature :	
Passed for installation	**Verified by:**

Checks during installation:	
Lifting procedure according to method:	Acc. Annex A/B:
Barrier layer/Compensating material/shims used:	
Lifting devices attached property:	
Lifting without shocks or other deficencies:	
Installation performance passed	**Verified by:**

Checks after installation:	
Tank/vessel in corred position and within direction tolerances	
Anchor bolting in accordance with drawing:	
Outside/inside attachments installed:	
Inspection of inner surfaces without objections:	
Nozzles blanked/covered:	
Inspection of outer surface without objections:	
Hydrostatic test after at least 24h successful:	
Installation of tank/vessel passed	**Verified by:**
Place and date:	

General terms and conditions

1. General

The provisions below apply to all our sales agreements and to all our services, unless expressly agreed otherwise in writing. M.I.P. and the buyer is referred to herein as seller or buyer respectively, but the invoice conditions also apply mutatis mutandis if the agreement concluded is a contracting agreement.

2. Dissolution

In the event that an agreement is broken by the buyer, the buyer will owe a fixed amount as compensation of 20% of the contract amount, without prejudice to the seller's right to claim higher damage if there is reason to do so.

3. Delivery time

The dates stated as times for the delivery of the goods are only indicative and in no way mean periods within which the seller undertakes to make the delivery. A reasonable exceeding of the delivery time does not entitle the buyer to cancel his order, to claim compensation or to postpone payment. If the product cannot be delivered on time due to the fault of the customer, a fee will be paid for the commissioning of the M.I.P. sites 8 days after the agreed delivery period. become payable as follows:

- Silo diameter < 3 meter : 250,00 € / week
- Silo diameter 3 – 5 meter: 400,00 € / week
- Silo diameter > 5 meter: 1.000,00 € / week

These amounts will be adjusted annually on 1 January to the figure of the health index.

4. Prices

All our prices are excl. VAT, ex works. Unless otherwise agreed, only the production of the ordered goods is included in the agreement. All other services are at the expense of the buyer and not included in the price, including and without limitation all civil engineering works, packaging and packaging costs, costs of transport, possible import duties, all costs of assembly and installation. The price is guaranteed for a period of 3 months. Afterwards, the price is automatically adjusted in function of the cost of raw materials and other materials, packaging costs, transport costs, wages and salaries, social security charges, import duties, sales taxes, insurance premiums, exchange rate and currency ratios or any other factor that could influence on pricing.

5. Studies and projects

In case M.I.P. is entrusted by the buyer with a study assignment or the design of a more complex installation, the technical data is provided by the customer under his sole responsibility. M.I.P. will carry out the study and/or design to the best of its ability. If the design is approved by the customer, M.I.P. is by this single approval completely relieved of any responsibility and the execution of the design in accordance with the approved plan or specifications will take place at the buyer's responsibility and risk. The buyer is deemed to have fully checked the design in question and, if necessary, to have recalculated it and discharges M.I.P. from any responsibility in this regard, even in case of gross negligence. All studies, plans and documents are and remain the property of M.I.P., protected by intellectual property rights. When handed over to the buyer, they may not be misused by the latter. They may under no circumstances be shown to or used by third parties. The applicant of the plans and third parties remain jointly and severally liable for any misuse and M.I.P. reserves the right to claim compensation. All studies, plans and documents must be returned upon first request. Studies, designs and specifications will be invoiced at 10% of the estimated cost of the implementation of the project concerned. If the order with M.I.P. happens, this amount will be deducted from the final cost.

6. Risk transition

The buyer bears the risk of the goods subject to the agreement from the moment they leave the factory.

7. Transportation

Even if we carry out the transport, this is done as agent of the buyer, who is obliged to verify the condition of the goods on arrival for transport damage.

8. Payments and retention of title

Unless otherwise agreed, all invoices are payable in cash in Rijkevorsel to our bank account number. A default interest of 10% from the invoice date is due by operation of law and without notice of default for overdue amounts. In addition, in the event of late payment, the amount owed will be increased by 10% with a minimum of 100 €, by operation of law and without any notice of default. Checks and bills of exchange are only valid as payment after cashing. M.I.P. reserves the right at any time, even during the execution of the agreement, to request guarantees from the buyer and/or advance payments until the final invoicing. M.I.P. reserves the right to allocate a credit limit to the buyer and can suspend any order if this limit is exceeded, without this having the consequence that the purchase-sale agreement can be regarded as dissolved. In the absence of payment by the buyer, M.I.P. reserves the right to suspend all obligations towards the buyer by operation of law and without notice of default and/or to consider them dissolved, without prejudice to its right to compensation. Calculation errors or obvious material mistakes made by M.I.P. can be rectified at all times without jeopardizing the contract itself. The goods remain the property of M.I.P. as long as the purchase price has not been paid in full. In the event that advances have been paid, the right of ownership is transferred when 90% of the agreed price has been paid. The retention of title also extends to the buyer's claim on account of resale. The buyer is liable for any damage caused to M.I.P. owned goods. The buyer undertakes not to sell the goods nor to hand them over to third parties or to use them as security as long as they remain the property of M.I.P. to stay. In the event of non-compliance by the buyer with its obligations, M.I.P. has the right to exercise the retention of title without judicial intervention. In this case, the buyer authorizes M.I.P. in particular to take back the delivered goods wherever this good is located and acknowledge that the take back does not lead to the dissolution of the agreement.

9. Acceptance and complaints

The buyer is obliged to check the goods for visible defects immediately upon delivery. In the absence of complaints about visible defects at the latest within 8 days after delivery of the goods, the goods are deemed to have been accepted. The assembly and use of the goods concerned are regarded as express acceptance. Due to the nature of the raw materials used, color differences may occur in the end product. Such color differences are not a defect and cannot give rise to a refusal of delivery or a price reduction. In the event of non-acceptance, the buyer is liable for the preservation, surveillance and storage of the delivered goods without M.I.P. is dued a fee for this. Subject to the liability of M.I.P. for visible defects, M.I.P. is responsible for hidden or other defects of the delivered products for a period of 2 years. After this period, any guarantee lapses and M.I.P. is no longer obliged to intervene, not even for hidden defects that would only become apparent after this period of 2 years. Any reliance on any guarantee or indemnification obligation on the part of M.I.P. gives rise at most to the repair of the incorrect or defective execution, to a new delivery of the ordered item or to a reduction in the price of the incorrect or defective execution at the discretion of M.I.P. , such as filling pipes and manholes, are never replaced under warranty and the costs of repair or replacement are in that case always at the expense of the buyer. In the event of repair or renewal, the buyer is in any case obliged to bear any additional transport, dispatch and relocation costs and working hours. M.I.P. is in no way obliged to pay consequential damage and will only be responsible for the damage to the delivered object itself to the exclusion of any other damage, by whatever name. Unless explicitly stated in the order, the delivered goods are not resistant to aggressive or corrosive substances. Unless expressly agreed otherwise, M.I.P. does not guarantee the placement and limits the obligation of M.I.P. undertakes to deliver the goods to the site. In the event of a defect or claim covered by the assurance of M.I.P., the liability of M.I.P. is in any case limited to what is paid out by the insurer under cover of the policy.

10. Liability for services

All services and advice, of whatever nature, are provided to the best of its ability, taking into account the information provided by the buyer to M.I.P. are provided. What M.I.P. its services and advice only concern best efforts obligations.

11. Working hours

The working hours at the buyer's place are calculated from the departure of the M.I.P personnel from the factory until the return of the personnel to the factory. Travel costs and accommodation costs are always at the expense of the buyer.

12. Assembly

The purchaser alone is liable for taking all measures with a view to mounting. He is, among other things, liable for the accessibility of the mounting location and for the timely making of the necessary provisions, including the supply of electricity, the availability of mounting bases and so on. All installation costs are borne by the buyer. The buyer is liable for all damage resulting from a defect in the base on which the mounting must take place.

13. Force of the majority

Cases of force majeure, seizures of all kinds and for whatever reason, all disruptions and impediments in the business and deliveries, all unforeseen events at M.I.P., or at the companies where M.I.P. its goods or raw materials, all transport obstacles or delays, furthermore the non-delivery of the goods by suppliers of M.I.P., strikes, lockouts, export and import ban or restriction, fire or accident, mobilization, war, riot, or legal provision, give M.I.P.the right to cancel or temporarily suspend its delivery obligations in whole or in part and definitively.

14. Disputes

Belgian law applies to this agreement. In the event of a dispute, only the Commercial Court Antwerp Turnhout Division, the Court of First Instance Antwerp Turnhout Division or the Peace Court Turnhout II are authorized to take cognizance of this.

10. Declarations of conformity

Declaration of conformity silos

M.I.P. Solutions NV
Vaart 20/B
B- 2310 Rijkevorsel
Belgium

Declares that the following implementation:

Serial type:	**Silo type MLZ, MHZ, ML, MH, 3P-ML, dual-purpose silo, flat bottom silo and fertiliser silos**
Construction year:	2022
Medium:	Fodder (similar weight 700 kg/m^3)
Workload:	Atmospheric
Test pressure:	Atmospheric
Working temperature:	Ambient temperature (max. 40°C)
Material liner:	Ortho resin
Design code:	NEN-EN 13121

complies with all applicable laws and regulations, namely:

NEN-EN 13121:2005 Above-ground tanks and vessels made of fiberglass reinforced plastics

Part 1: Raw materials – specific condition and condition of use.
Part 2: Composite materials, chemical resistance.
Part 3: Design and craftsmanship..
Part 4: Delivery, installation and maintenance.

NEN-EN 1090:2009+A1:2011 Manufacture of steel and aluminium structures

Part 1: Requirements for determining the conformity of structural parts..
Part 2: Technical requirements for steel construction.

Name:
Title:
Signature:

M. Elst - Bestuurder
M.I.P. NV
Vaart 20 - 2310 Rijkevorsel
Tel. 03/311.68.66 - Fax 03/311.79.38
BTW BE 0435.699.452 - www.mip-nv.com

This declaration of conformity applies to all 'standard' versions in accordance with the price overview M.I.P. 2022
Any modification to the product without the manufacturer's approval or misuse will invalidate this statement.

Declaration of conformity tanks

M.I.P. Solutions NV
Vaart 20/B
B- 2310 Rijkevorsel
Belgium

Declares that the following implementation:

Serial type:	**Tank type PMV, PMK, PML, flat bottom tank for flushing water and flat bottom tank for liquid fertilisers**
Construction year:	2022
Workload:	Atmospheric
Test pressure:	Atmospheric
Working temperature:	Ambient temperature (max. 40°C)
Material liner:	Iso resin
Design code:	NEN-EN 13121

complies with all applicable laws and regulations, namely:

NEN-EN 13121:2005 Above-ground tanks and vessels made of fiberglass reinforced plastics

Part 1: Raw materials – specific condition and condition of use.
Part 2: Composite materials, chemical resistance.
Part 3: Design and craftsmanship..
Part 4: Delivery, installation and maintenance.

Name:
Title:
Signature:

M. Elst - Bestuurder
M.I.P. NV
Vaart 20 - 2310 Rijkevorsel
Tel. 03/311.68.66 - Fax 03/311.79.38
BTW BE 0435.699.452 - www.mip-nv.com

This declaration of conformity applies to all 'standard' versions in accordance with the price overview M.I.P. 2022
Any modification to the product without the manufacturer's approval or misuse will invalidate this statement.

M.I.P
TANKS & SILOS

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