MINIFLUX Sanitary

EN Operating instructions

EN EU-Declaration of Conformity

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1. Product information

The operating instructions outline safe and efficient handling of the container pump:

MINIFLUX Sanitary

The operating instructions are an integral part of the container pump. It must be operated in the immediate vicinity of the personnel and be accessible at all times. The personnel must have carefully read and understood these operating instructions before starting any work.

These operating instructions may only be reproduced, translated or made accessible to third parties with the express authorisation of FLUX-GERÄTE GMBH.

This is the official english translation of the operating instructions.

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1.1 Manufacturer

FLUX-GERÄTE GMBH
Talweg 12
75433 Maulbronn
Germany

Tel.: +49 (0)7043 101-0
E-Mail: export@flux-pumpen.de

Order and customer service

You can find your direct contact for ordering and customer service in the contact area of the FLUX website.

Contact area of the FLUX website:

www.flux-pumps.com/en/contact

Or via QR code:

1.2 Liability, warranty and guarantee

The operator assumes operational responsibility upon acceptance of the product. The warranty period is 12 months from the date of delivery. The warranty is only accepted in accordance with our general terms and conditions of sale and delivery in the following cases:

- Intended use of the product in accordance with these operating instructions.
- Correct and proper installation, commissioning and operation.
- Repairs may only be carried out by authorised specialist personnel.
- Exclusive use of original spare parts.

The safety instructions emphasised in these operating instructions must always be observed.
FLUX-GERÄTE GMBH accepts no liability for damage or malfunction resulting from non-compliance with the operating instructions. The manufacturer‘s warranty is void in the event of damage or malfunction caused by unauthorised modifications and alterations to the appliance supplied. Wear parts are not covered by the warranty. Wear is caused by wear and tear on the appliance.

1.3 Returns

In order for returns to be processed, an RMA form must be requested and sent to FLUX-GERÄTE GMBH together with the RMA number and the product.

RMA = Return Merchandise Authorization

RMA-Returns:

www.flux-pumps.com/en/service-and-support

Or via QR code:

1.4 Required documents

The documents listed in the appendix to these operating instructions, such as the EU Declaration of Conformity, are part of the scope of delivery and must be observed. FLUX-GERÄTE GMBH accepts no liability or guarantee for the content of any documentation from suppliers (as an appendix) contained in these operating instructions.

The container pump may only be put into operation once all documentation has been read and understood.

1.5 Presentation of information

Standardised safety instructions, symbols, terms and abbreviations are used to simplify and ensure safe working with these operating instructions. These elements are explained in the following sections for better understanding.

2. Safety instructions

Safety instructions guard against damage to property and personal injury. The measures described for hazard prevention must be observed. The safety instructions and warnings in this document characterise hazards and risks. They are designed in accordance with the EN ISO 7010 and EN ISO 12100 series of standards.

2.1 Symbols

Different symbols and highlighting make this document easier to read.

The symbols and highlighting have the following meaning:

Explanation	
–	Listing
○	Subitem of a listing
▪	Instructions without sequence
1.	Instructions with sequence
➢	Measure

2.2 Structure

⚠ SIGNAL WORD

Type and source of danger!
Consequences of non-compliance.
– Consequences of non-compliance.
▶ Prevention measures!

Safety instructions have the following meaning:

Signal word:
Indicates the severity of the hazard.

Warning sign:
Draws attention to the danger.

Type and source of danger:
Describes the causes of the hazard.

Consequence:
Describes the consequences of non-compliance.

Measure:
Specifies measures to avert the danger.

⚠ DANGER **EN-10000**

This warning indicates a high-risk hazard
that could result in death or serious injury!

⚠ WARNING **EN-20000**

This warning indicates a medium-risk hazard
that could result in death or serious injury!

⚠ CAUTION **EN-30000**

This warning indicates a low-risk hazard **that may result in minor or can lead to moderate injury**!

NOTE **EN-40000**

This notice contains information about possible
property damage or environmental damage
that does not result in personal injury!

3. Safety

The container pump was manufactured in accordance with the generally recognised rules of technology. Nevertheless, there is a risk of personal injury and damage to property if you do not observe the safety instructions in this operating manual.

The container pump may only be used in a technically perfect condition, in accordance with its intended use, in a safety-conscious and hazard-conscious manner and in compliance with the operating instructions.

Unauthorised modification of the container pump is prohibited.

Although it is a container pump, only the term „pump“ is used in the warnings and safety instructions to simplify understanding.

3.1 Product safety warnings

⚠ Always wear personal protective equipment (PPE) for all work!

3.1.1 Danger

⚠ DANGER **EN-10001**

Own liability!
The operator is liable for improper use and the resulting hazards and injuries, including death.
- ▶ Only use the pump for its intended purpose and read the instructions carefully!

⚠ DANGER **EN-10002**

Danger of cuts!
Risk of injury due to freewheeling drive shaft.
- – Never operate motors without a pump.
- ▶ Never put your finger in the pump inlet!

⚠ DANGER **EN-10003**

Falling load!
The motor can come loose when switching on due to the torque if the union nut is not screwed tight.
- – Motors can weigh several kilograms and cause severe injuries.
- ▪ Check the connection.
- ▶ Only put the pump into operation if the union nut between the pump and motor is firmly tightened by hand!

⚠ DANGER **EN-10004**

Observe resistance list!
The following materials come into contact with the liquid:
Tube and shaft
- – Stainless steel

Gasket (depending on version)
- – ETFE, FFKM, FKM, EPDM, PTFE
- ▶ Note the resistance to the liquid!

⚠ DANGER **EN-10005**

Electric shock! (I)
Compare the operating voltage with the type plate.
- ▪ Equip the power supply with an RCD.
- ▪ Secure motor without undervoltage protection against unintentional start-up.
- ▶ Changes to the mains connection may only be made by qualified electricians!

⚠ DANGER **EN-10006**

Pump and motor stand out!
Follow the instructions for use of the containers.
- ▪ The pump and motor must be supported.
- ▶ The area around the pump must be secured to protect against accidential damage or impact!

⚠ DANGER **EN-10007**

Increased pressure!
At high operating pressure, containers and hoses can burst or come loose.
- – Severe injury possible.
- – Watch out for flying parts.
- ▶ Avoid overpressurisation when filling into a container!

⚠ DANGER **EN-10008**

High underpressure / overpressure!
A strong negative pressure is created when the suction side is closed. When the pressure side is closed, a strong overpressure is created.
- To depressurise, switch off the motor and slowly open the cap.
- ▶ Avoid prolonged operation (max. 5 minutes) with the suction side or pressure side closed!

⚠ DANGER **EN-10009**

Incorrect handling of containers!
Follow the instructions for use of the containers.
- A shut-off valve must be installed between the pump and the tank.
- Set up the container in such a way that the pump, motor and container cannot be damaged and risk of injury is minimised!

⚠ DANGER **EN-10010**

Electric shock! (II)
The mains cable should never be under tension. Broken cables and loose contacts lead to a short circuit.
- – Open mains cables can lead to electric shock!
- Check motor and mains cable regularly for operational safety.
- Defective mains connection cables must always be replaced.
- ▶ Changes to the mains connection cable may only be carried out by qualified electricians!

⚠ DANGER **EN-10011**

Contact with liquids! (I)
An accident at work or improper use may result in liquid escaping and coming into contact with people.
- Classify how dangerous the pumped liquid is.
- Observe internal company instructions.
- Pay attention to people working in the vicinity.
- ▶ Always wear protective clothing!

⚠ DANGER **EN-10012**

Contact with liquids! (II)
After switching off, there is still liquid in the pump and hose, which can flow out in an uncontrolled manner.
- Fill carefully and at an appropriate speed to prevent the liquids from splashing.
- Drain the dispensing nozzle after the filling process.
- Absorb spilled liquid and dispose of a contaminated materials in an environmentally friendly manner.
- ▶ Always wear protective clothing!

⚠ DANGER **EN-10013**

Contact with liquids! (III)
Trapped air can be passed back into the container and liquid can spray out.
- Open the connected fittings completely before switching on the motor.
- ▶ Always wear protective clothing!

⚠ DANGER **EN-10014**

Death by crushing!
When the tank contents empty, the motor and pump can become heavier than the tank itself.
- – If the container is placed on a shelf, it can tip forwards and fall.
- ▶ Fasten and secure the container!

⚠ DANGER **EN-10015**

External damage!
Damage to the pump, motor and hose can lead to personal injury and environmental damage.
- Check the pump, motor and hose for possible damage before each use.
- Repair damage immediately.
- ▶ Only put back into operation after repair!

⚠ DANGER **EN-10016**

Risk of strangulation!
Risk of injury due to freewheeling drive shaft.
- – Never operate motors without a pump.
- – Do not wear long necklaces.
- ▶ Wear hair protection for long hair!

3.1.2 Warning

⚠ WARNING **EN-20001**

Crushing hazard!
The motor shifts the centre of gravity of the pump to the motor side.
- The pump with motor can tip over and fall.
- ▶ The motor must be removed from the pump before maintenance and repair.
- ▶ Also remove the pump from the tank!

⚠ WARNING **EN-20002**

Hardening of the liquid!
The liquid can harden in the pump. The shaft and rotor can then no longer move freely.
- Clean when changing the container or after using the pump.
- Flush the pump with a suitable cleaning agent.
- The pump and hose must be resistant to the cleaning agent.
- Do not immerse the pump in the cleaning fluid.
- Do not use flammable liquids.
- ▶ Clean the pump after the last filling process and do not allow it to harden!

⚠ WARNING **EN-20003**

Personal injury and property damage!
Failure to observe the safety instructions can result in damage to people and the environment as well as damage the pump!
- ▶ Read all safety instructions!

⚠ WARNING **EN-20004**

Avoid misuse!
Read the operating instructions for the motors used before putting the pump and motor into operation.
- ▶ Read all documents!

3.1.3 Caution

⚠ CAUTION **EN-30001**

Loss of warranty!
To be eligible for warranty or repairs, the pump may only be used as described in these instructions.
- Improper use will invalidate the warranty.
- ▶ Only use the pump for its intended purpose!

⚠ CAUTION **EN-30002**

Watch out for damage!
Visually check the coupling on the pump and the driver on the motor for signs of wear.
- Replace the clutch and driver if damaged.
- ▶ Do not use the pump if it is too badly damaged!

⚠ CAUTION **EN-30003**

Overheating and wear!
The pump is lubricated by the pumped medium and must therefore not run dry.
- Dry running can lead to overheating, wear and damage to the pump!
- Do not leave the pump unattended.
- ▶ Avoid dry running!

⚠ CAUTION **EN-30004**

Untrained personnel!
Despite the easy handling, the pump and motor must not be operated without instruction.
- The operator must be trained before operating the pump.
- ▶ Ensure that the operator has read and understood the operating instructions!

⚠ CAUTION **EN-30005**

Avoid blocking!
Hardening of liquids can block moving parts.
- Before using the pump, check the coupling for ease of movement.
- ▶ Clean the pump after each use!

⚠ CAUTION **EN-30006**

Leakage of the liquid!
- Only operate the pump with a suitable hose.
- Secure the hose against slipping off the hose connector.
- Attach the hose to the container to avoid mechanical stress on the pump and the container.
- ▶ If no suitable hose is available, do not operate the pump!

⚠ CAUTION EN-30007

Material damage!
If the materials of the pump or the dispensing nozzle (housing, valves, seals, hose, etc.) are not resistant to the liquid to be pumped, they must not be used.
- Do not pump abrassive liquids.
- ▶ Observe resistance list!

⚠ CAUTION EN-30008

Check for leaks!
Check for leaks before using the pump!

3.1.4 Note

NOTE EN-40001

Leakage!
Always replace lip seal and shaft in pairs in the event of leakage!

NOTE EN-40002

Duty!
Always replace defective parts!

3.2 Recommendation

The following information represents recommendations from FLUX-GERÄTE GMBH and is intended to ensure optimal use and safe handling of the pump.

⚠ CAUTION EN-30009

Recommendation from FLUX!
Use motors from FLUX!

⚠ CAUTION EN-30010

Recommendation from FLUX!
Only use original FLUX spare parts and accessories!

NOTE EN-40003

Recommendation from FLUX!
The service life of our products is considerably extended by good handling, regular maintenance and cleaning!

NOTE EN-40004

Recommendation from FLUX!
Check all motors regularly in accordance with the statutory / country-specific regulations and accident prevention regulations!

3.3 Intended use

The pump is used to quickly and safely empty or transferring liquids. Depending on the design, it can pump liquids of all kinds. The pumps and motors are installed and operated outside the tank. In addition to manual operation, remote control is also possible. For stationary use, monitor the pump constantly. The motor can be removed from the pump.

The installation position is horizontal.

All collector motors and air motors are available as pump drives.

The pump may only be used for commercial purposes. The pump is a technical tool and is not intended for private use.

3.4 Limits of authorised use

- The pumps must not be exposed to the weather.
- Observe the min. and max. temperatures.
- Observe chemical resistance.
- Do not use in explosion protection areas.
- Do not pump flammable liquids.
- Attach the pump in dry installation to a container with a shut-off valve using an adapter.

3.5 Foreseeable abuse

The pump and accessories must always be matched to the pumped liquid (see resistance list). The internal operating instructions must be observed when changing the fluid.

Possible chemical reactions and the resulting health hazards and material damage must be taken into account.

Failure to do so may result in damage to the pump and motor and injury to operating personnel.

4. Technical data

Performance data	**MINIFLUX Sanitary** ø 38 mm axial rotor	**MINIFLUX Sanitary** ø 37 mm semi-axial rotor (Z)
Max. flow rate	240 l/min*	120 l/min*
Max. viscosity	1.000 mPa·s*	800 - 1.000 mPa·s*
Max. delivery height	13 mH_2O*	24 mH_2O*
Rotor type	ø 38 mm axial rotor	ø 37 mm semi-axial rotor (Z)

Connections		
Suction nozzle	Clamp 2“	Clamp 2“
Pressure nozzle	Clamp 1½“	Clamp 1½“

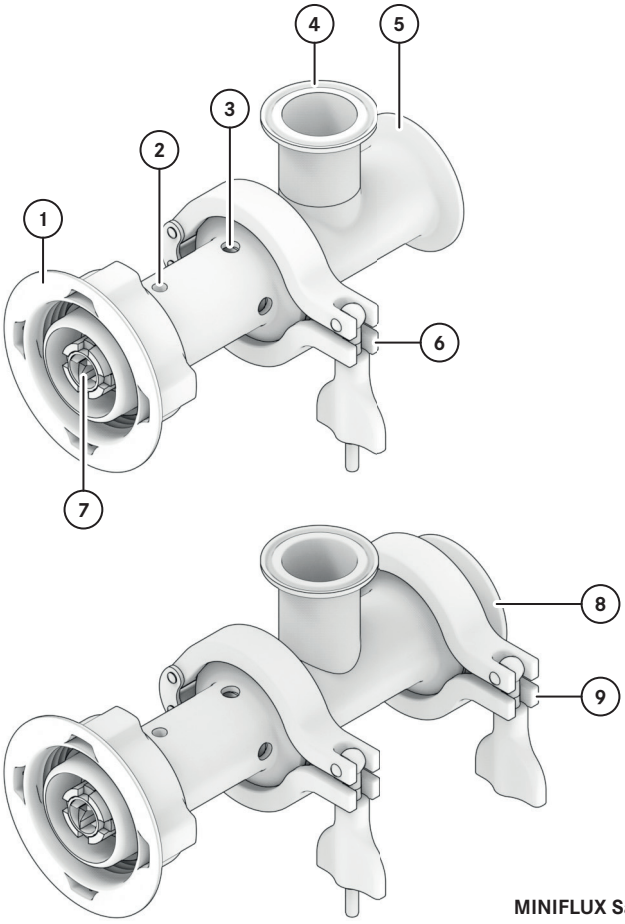
Materials		
Outer tube	Stainless steel V4A	Stainless steel V4A
Lip seal	PTFE	PTFE
Seals	FKM / EPDM	FKM / EPDM
Rotor (FDA)	ETFE	ETFE
Rotor (FOOD)	Stainless steel	ETFE

General data		
Total length	199,5 mm	225,5 mm
Weight	1,8 kg	2,1 kg
Fluid temperature	Max. 100 °C / 212°F	Max. 100 °C / 212°F
Ambient temperature	Max. 100 °C / 212°F	Max. 100 °C / 212°F

*Depending on motor and medium, measured with free outlet.

4.1 Device description

MINIFLUX Sanitary
ø 38 mm axial rotor

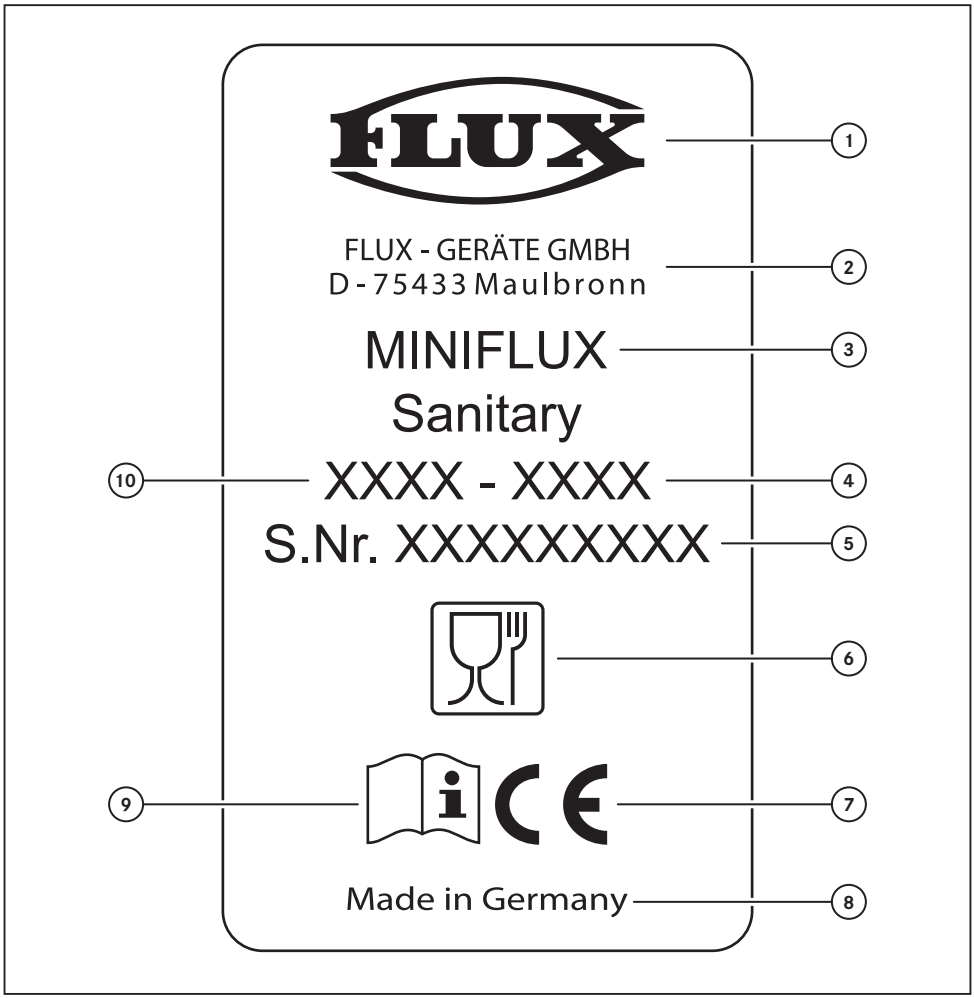


MINIFLUX Sanitary
ø 37 mm semi-axial rotor (Z)

No.	Description	No.	Description
1	Union nut motor side (Rd 65x1/6“)	6	Joint clamp with locking pin
2	Hole for locking pin	7	Clutch star
3	Control and drain hole	8	2“ clamp fitting
4	Pressure nozzle clamp 1½“	9	Hinged clamp
5	Suction nozzle clamp 2“		

Illustration 1: Overview

4.2 Type plate



No.	Description	No.	Description
1	Logo	6	FOOD contact symbol
2	Adress	7	CE marking
3	Product name	8	Designation of origin
4	FDA/FOOD compliant	9	Note on observing the operating instructions
5	Serial number	10	Sealing material

Illustration 2: Type plate

5. Acceptance, transport and storage

Read the complete chapter 3 „Safety“ before transporting and storing the pump.

5.1 Acceptance

The pump is delivered safely in its original packaging. The scope of delivery includes the pump itself and the operating instructions.

- Unpack the pump and check for transport damage.
- Check the scope of delivery for completeness.
- Report any transport damage to the haulage company immediately.

5.2 Transport

Thanks to the compact design, it is possible to transport the pump quickly and easily from one container to another, but there are still some risks involved.

- The pump may only be transported individually.
- The motor power cable must be disconnected before transporting the pump.
- Remove the motor from the pump.
- Remove the hose from the pump.
- Make sure that nothing can fall.

5.3 Storage

The pump is robust and durable. To ensure longevity, the pump must always be stored properly.

Read the complete chapter 11 „Cleaning“ before storing the pump.

- Store the pump in a dry and dust-free place.
- Store the pump cleaned.
- Store the pump without the motor and accessories.
- Store the pump protected from UV radiation.
- Store the pump protected from the weather.

6. Before commissioning

Read the entire chapter 3 „Safety“ before commissioning the pump.

6.1 Supported motors

Collector motors
F 457, F457 EL
F 458, F458 EL, F 458-1
F 460 Ex, F 460 Ex EL, F 460-1 Ex
FEM 4070

Brushless motors
FBM 4000 Ex, FBM 4100

Compressed air motors
F 416 Ex, F 416-1 Ex, F 416-2 Ex

⚠ Even if an motor with Ex-marking is used, the pump must not be operated in potentially explosive atmospheres!

⚠ DANGER **EN-10017**

Explosion hazard!
The pump must not be operated in areas where there is a risk of explosion.
– There is a risk of explosion, which could be fatal!
▶ In explosion-hazardous areas, use only explosion-proof products!

6.2 Switch off motors

Set the on/off switch to „0“ (stop) before connecting the electric motor to the mains.

Before connecting the compressed air hose to the air motor, set the on/off switch to „0“ (stop).

- For air motor F 416 Ex, release the lock for the on/off switch.
- Use a silencer or exhaust air hose.

7. Assembly

The installation of the pump is simple and harbours a low risk. Read the entire chapter 3 „Safety“ before installing the pump.

The pump must not be installed if it is damaged or if a safety instruction and warning has not been observed.

7.1 Start assembly

The assembly is described step-by-step:

1. Check that the outlet tap on the container is tightly closed.
   - Ensure that the connection is not contaminated.
2. Illustration 3: Note assembly/disassembly on page 16.
3. Screw the threaded connection onto the thread of the container.
   - If necessary, firmly connect a suitable adapter on clamp (2“) to the connection of the container.
4. Attach the pump with the suction side to the clamp connection and lock it with an articulated clamp (2“).
   - Check whether the seal is inserted!
5. Screw the motor to the union nut of the pump.
6. Support the pump on the ground or with a retaining cable (Order no.: 10-00110430).
7. Attach the hose with hose connection clamp (1½“) to the clamp connection and lock with a joint clamp.
8. Connect the end of the hose to a dispensing nozzle or attach it directly to the target container. Follow the container instructions!
9. Connect the motor‘s mains cable to the socket or connect the compressed air hose to the compressed air line.
10. Connect the service unit and pressure reducer.

✓ Assembly is complete!

⚠ If problems occur during installation, stop installation immediately and read the instructions again.

⚠ As these are industrial goods, they should be assembled professionally.

⚠ If a part does not fit, do not improvise.

8. Commissioning

After successful installation, operation can begin. Operation is simple, but harbours a high risk. Read the entire chapter 3 „Safety“ before operating the pump.

The pump must not be put into operation if it is damaged or if a safety instruction and warning has not been observed.

8.1 Switching on

The operation is described step-by-step:

1. Slowly open the outlet tap on the container as far as it will go.
2. Check the body for leaks.
   - In the event of a leak, close the outlet tap immediately.
   - Seal the leak immediately and read chapter 7 „Assembly“ again.
3. Switch on the motor.
   - Avoid dry running.
4. For motors with speed control, set the required delivery rate.
   - The delivery rate of the air motor can be adjusted via the operating pressure.
   - Motors without speed regulation run constantly at the specified power.

✓ The liquid is now pumped at the specified rate!

⚠ If problems occur during the filling process, disconnect the motor from the power supply and read the instructions again.

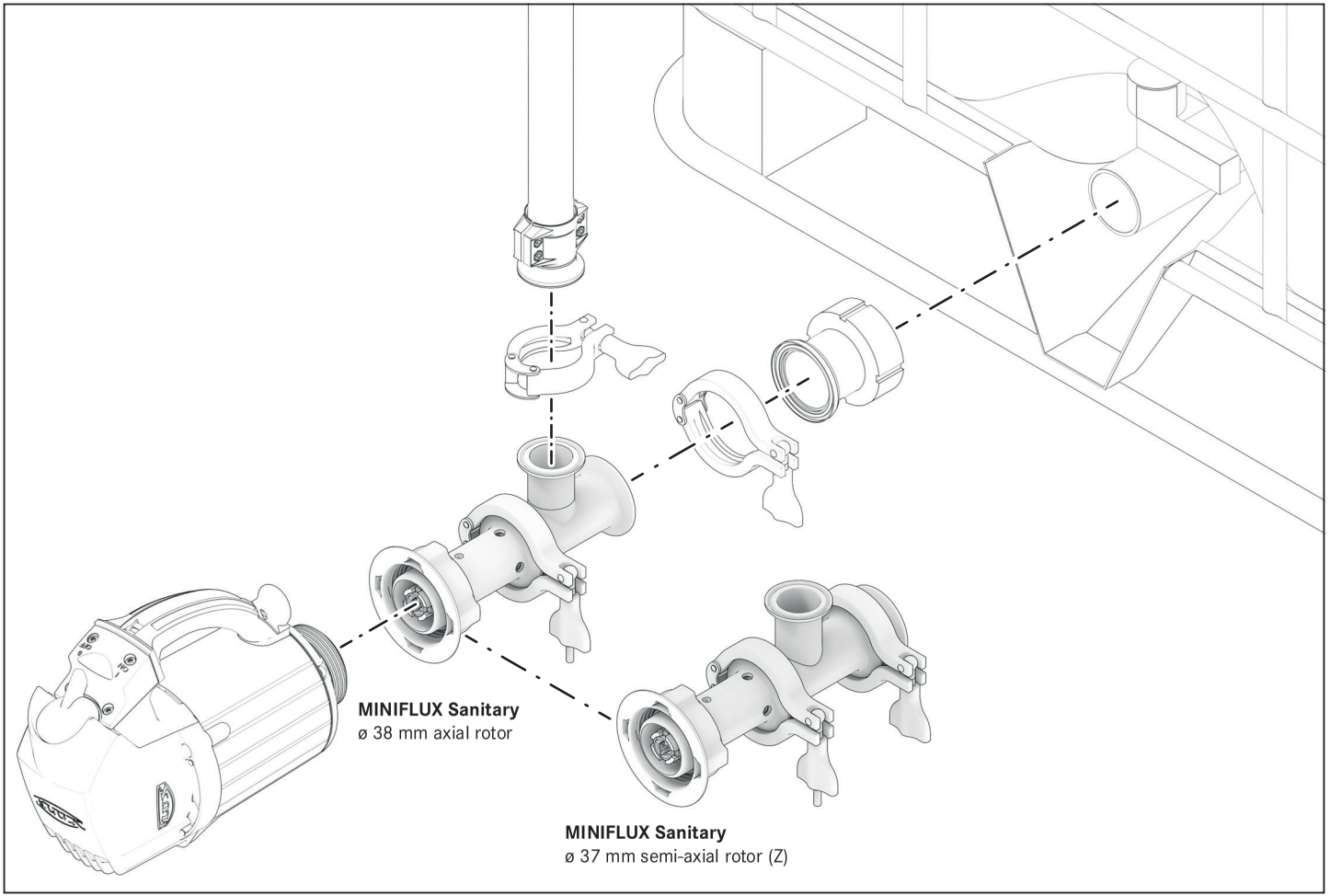


Illustration 3: Assembly/disassembly

9. Decommissioning

Once your liquid has been successfully pumped, decommissioning can begin. Decommissioning is simple and harbours a low risk.

Read the entire chapter 3 „Safety“ before decommissioning the pump.

9.1 Switching off

The decommissioning is described step-by-step:

1. Close the outlet tap on the container.
2. Switch off the motor / close the compressed air supply.
3. The pump comes to a standstill.
4. Unplug the mains cable / disconnect the compressed air line.

✓ Decommissioning is complete!

⚠ If problems occur during decommissioning, disconnect the motor from the power supply and read the instructions again.

10. Dismantling

Read the entire chapter 3 „Safety“ before dismantling the pump.

10.1 Prepare emptying

1. Drain the pump, hose and fittings completely before dismantling.
2. Collect environmentally harmful substances and liquids in suitable containers and dispose of them in an environmentally friendly manner.
3. Clean the pump, hose, nozzle and other accessories.

10.2 Start dismantling

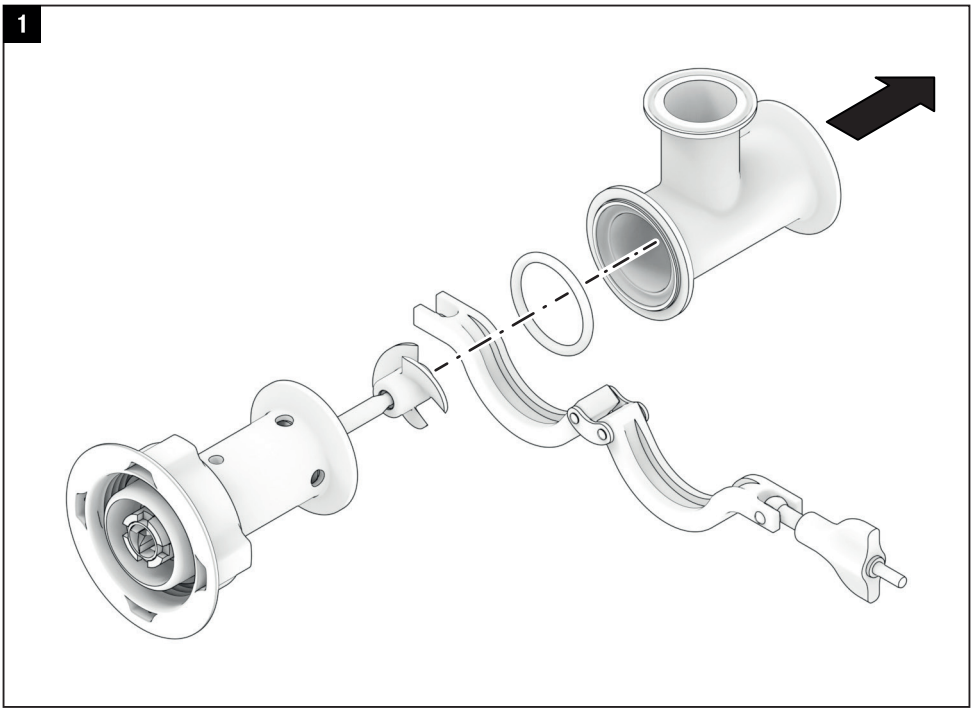
The disassembly is described step-by-step:

1. Illustration 3: Note assembly/disassembly on page 16.
2. Loosen the motor connection between the pump and motor and remove the motor.
3. Release the clamp (1½“) from the hose connection (pressure side) and hang the hose over a safe container to drain.
4. Loosen the joint clamp (2“) between the pump and the threaded connection (suction side).
5. Remove the pump and drain over a safe container.
6. Loosen the threaded connection from the thread of the container.
   - ○ If necessary, detach the adapter from the container connection.
7. Remove impurities from the container connection.
8. Continue with chapter 11 „Cleaning“ and ensure that no liquid hardens in the pump, the hose and the dispensing nozzle.

✓ Dismantling is complete!

⚠ If problems occur during disassembly, stop disassembly immediately and read the instructions again.

Access video tutorial:



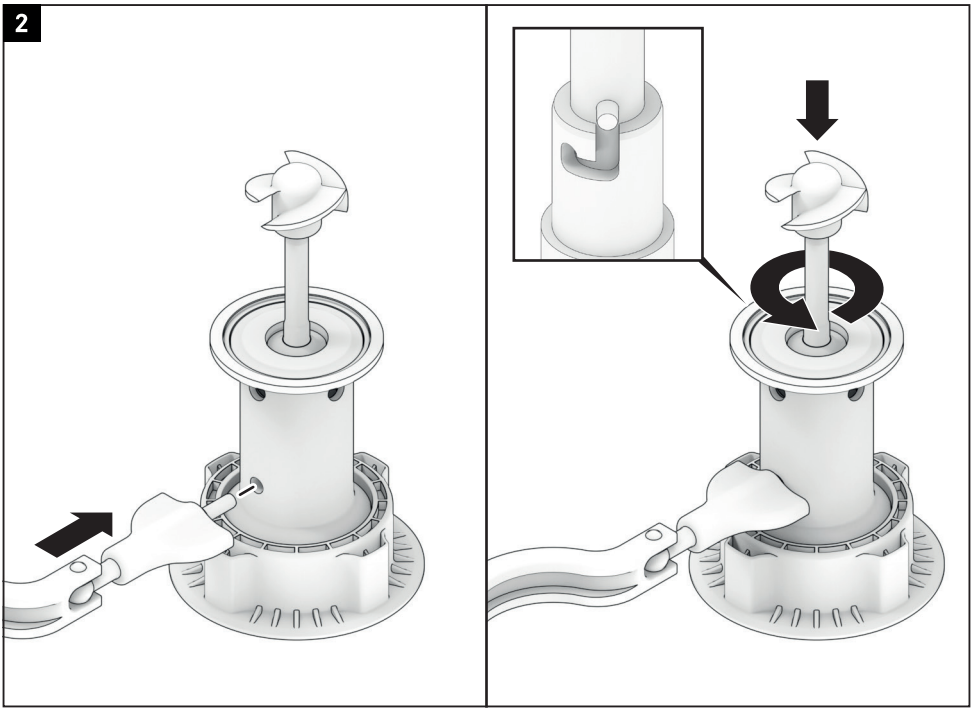
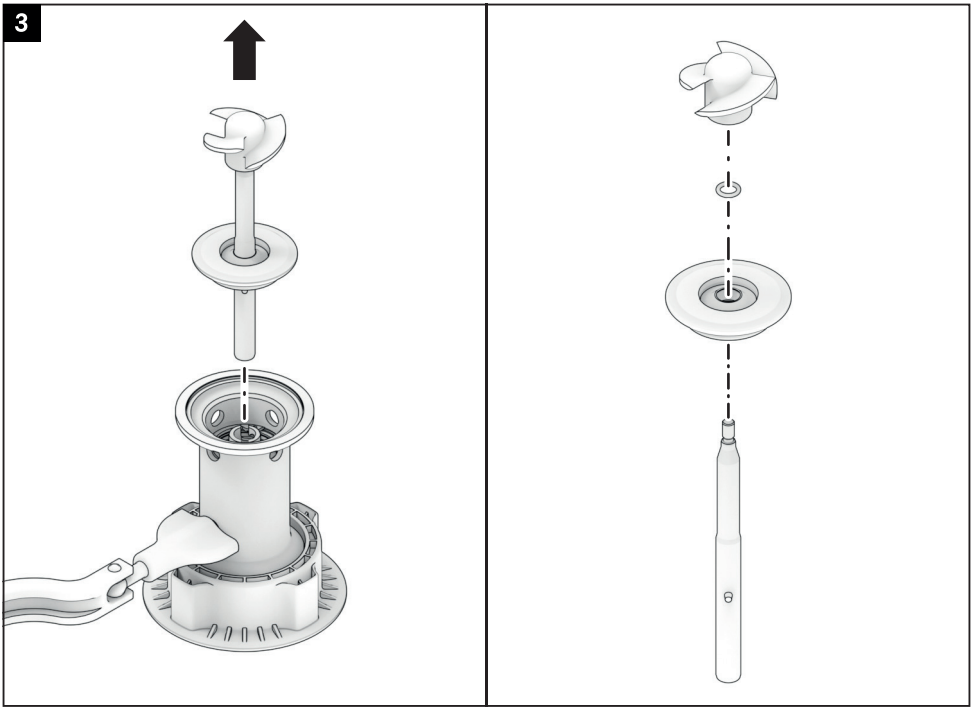


Illustration: Dismantling the pump



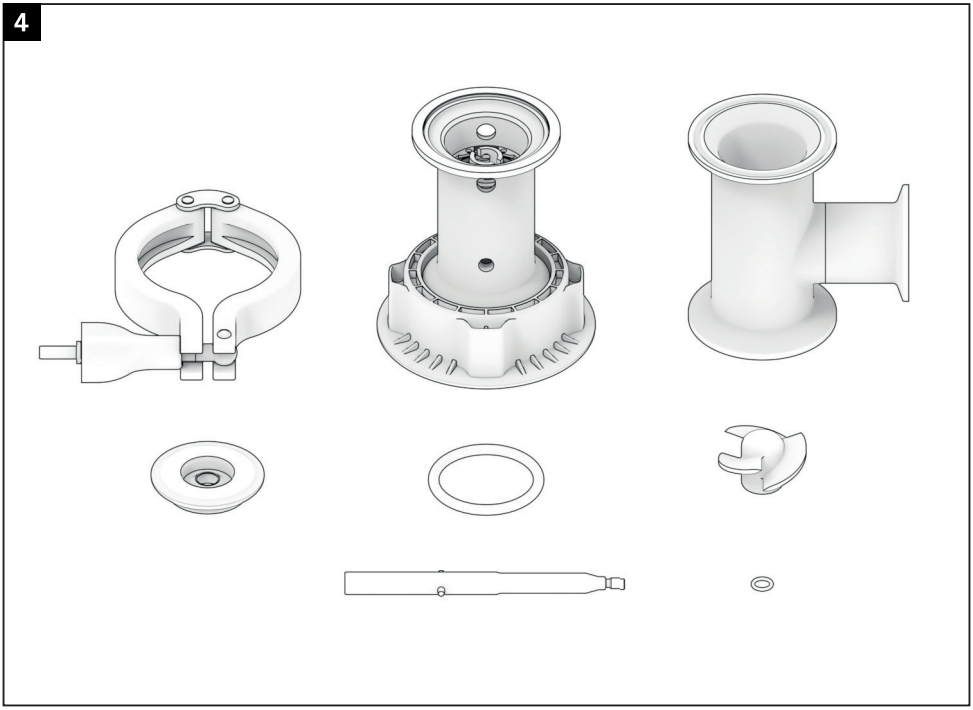


Illustration: Dismantling the pump

11. Cleaning

The pump should be cleaned regularly. FLUX recommends cleaning the pump after each use. Depending on the liquid pumped, the liquid may harden and the pump may no longer function.

Before carrying out any cleaning work, read the entire chapter 3 „Safety“ before cleaning the pump.

11.1 Flush the pump

The cleaning process is described step-by-step:

Cleaning without disassembly (flushing):

1. Empty the pump, hose and fittings before cleaning.
2. Collect environmentally harmful substances and liquids in suitable containers and dispose of them in an environmentally friendly manner.
3. Ensure that the cleaning agent, the sealing materials and the fluid are compatible with each other.
   - ○ Note the resistance!
4. Rinse the pump with a suitable cleaning agent.
5. Dry the pump.

✓ The pump is now cleaned and ready for the next use!

11.2 Clean the pump parts

The cleaning process is described step-by-step:

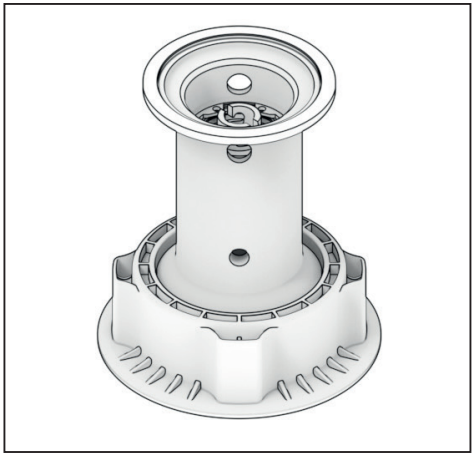
Cleaning involving disassembly (medium-contacting wetted pump parts):

1. Empty the pump, hose and fittings before cleaning.
2. Collect environmentally harmful substances and liquids in suitable containers and dispose of them in an environmentally friendly manner.
3. Observe chapter 10 „Dismantling“.
4. Ensure that the cleaning agent and liquid are compatible with each other.
5. Note the resistance!
6. Clean the individual parts of the pump with a suitable cleaning agent.
7. Dry the individual parts of the pump.

✓ The pump is now cleaned and ready for installation!

⚠ CAUTION EN-30016

Do not submerge the bearing flange!
Do not immerse the bearing flange completely in the cleaning fluid.



⚠ The bearing flange contains ball bearings, which must not come into contact with water or cleaning agents.

Illustration 4: Bearing flange

12. Maintenance and repair

Before carrying out any maintenance or repair work, read the entire chapter 3 „Safety“ before the pump is repaired or serviced.

12.1 Preparation

1. Empty the pump, hose and fittings before dismantling.
2. Collect environmentally harmful substances and liquids in suitable containers and dispose of them in an environmentally friendly manner.
3. Clean the pump, hose, nozzle and other accessories.

12.2 Maintenance

The pump is maintenance-free if it is checked regularly for leakage and smooth running of the shaft, and if the components in contact with the medium are cleaned regularly. If there is minimal leakage in the area of the inspection hole, the shaft and the lip seal must be checked and replaced in pairs if necessary.

12.3 Repair

The pump may only be repaired by trained specialists! For major repairs, you can send the pump to FLUX or to selected partners. Please contact FLUX customer service for this.

The repair is described step-by-step:

1. Obtain spare parts list online from: https://www.flux-pumps.com/en-DE/
2. Have spare parts ready.
3. Dismantle pump.
   - ○ See illustrations on pages 18-19!
4. Replace defective and worn parts.
5. Dispose of defective parts properly.
   - ○ Observe chapter 13 „Recycling“!
6. Installing the pump.
   - ○ Observe the drawing in the spare parts list!

✓ The pump is repaired and ready for use!

13. Recycling

Products labelled with a crossed-out waste bin must not be disposed of with residual waste. The pump must be disposed of properly at a recycling centre.
The individual materials must be separated from each other.

The packaging and operating instructions are made of 100% recyclable paper and cardboard.

The main components of the pump are made of stainless steel (S) and are 100 % recyclable.

The union nut is made of polypropylene (PP) and is 100 % recyclable.

All other plastic parts are made of polytetrafluoroethylene (PTFE) and are recyclable.

Rubber seals are made of ETFE, FKM, FFKM, EPDM, PTFE, depending on the version, and are recyclable.

13.1 Preparation

1. Drain the pump, hose and fittings completely before disposal.
2. Collect environmentally harmful substances and liquids in suitable containers and dispose of them in an environmentally friendly manner.
3. Clean the pump, hose, nozzle and other accessories completely.
4. Please refer to chapter 10 „Dismantling“.
5. Please refer to chapter 11 „Cleaning“.

13.2 Disposal

- Dispose of waste and non-repairable or non-reusable parts in an environmentally friendly manner.
- Dispose of plastic, rubber and metals separately.
- Dispose of contaminated parts in an environmentally friendly manner.
- Observe the applicable regulations and laws of your country for the disposal of goods.

14. Troubleshooting

Leakage
Check all connections

Air in the system
Check all connections

Medium outlet at the pump drain hole
Check the mounting direction of the lip seal
Check the seat of the bearing bracket
Check the surface of the shaft
Shaft and lip seal contaminated

Pump does not deliver liquid
Check opening for locking pin
Check correct fastening of the lower shaft
Check the correct preload of the lower shaft
Outlet tap not open

15. EU Directive

The motor has been tested to EU specifications and has been awarded the CE mark. FLUX thus guarantees compliance with EU regulations on safety, health protection and environmental protection.

Further details can be found in the EU Declaration of Conformity in the attachment.

The pump is suitable for food contact in accordance with EU Regulation 1935/2004. FLUX guarantees that the material and product do not transfer any harmful substances to food and comply with food safety regulations.

Further details can be found in the FOOD Declaration of Conformity under the ‘Certificates’ category in our Download Center.

The pump was developed and manufactured in accordance with the requirements of the FDA Code of Federal Regulations (CFR) Title 21. FLUX fulfils the regulations for materials that are suitable for contact with food, pharmaceuticals or other sensitive applications.
In particular, the materials used comply with the requirements of 21 CFR Part 177 for food grade materials and ensure the highest level of safety and quality.

Further details can be found in the FOOD Declaration of Conformity under the ‘Certificates’ category in our Download Center.

MINIFLUX Sanitary* ø 38 mm axial rotor	**FDA**	**FOOD**
ETFE	✓	×
Stainless steel	✓	✓

MINIFLUX Sanitary* ø 37 mm semi-axial rotor	**FDA**	**FOOD**
ETFE	✓	✓

⚠ *Check the type plate before use to ensure that the product is FDA or FOOD compliant. Otherwise food could be contaminated.

15.1 EU-Declaration of Conformity (CE)

FLUX-GERÄTE GMBH
Talweg 12 · D-75433 Maulbronn

EU Konformitätserklärung
EU Declaration of Conformity
Déclaration de Conformité UE

Hiermit erklären wir,
We,
Nous,
FLUX-GERÄTE GMBH, Talweg 12, 75433 Maulbronn,

dass die nachfolgend bezeichneten Produkte aufgrund ihrer Konzipierung und Bauart sowie in der von uns in Verkehr gebrachten Ausführung den einschlägigen grundlegenden Sicherheits- und Gesundheitsanforderungen der unten aufgeführten Richtlinien entsprechen. Bei einer nicht mit uns abgestimmten Änderung des Produktes verliert diese Erklärung ihre Gültigkeit.

hereby declare that the following designated products comply with the pertinent fundamental safety and health requirements of the Directives mentioned below in terms of the design and construction and in terms of the version marketed by us. This declaration loses its validity in the event of a modification to the product not agreed with us.

déclarons par la présente que les produits désignés ci-après répondent aux exigences fondamentales courantes en matière de sécurité et de santé des directives mentionnées ci-dessous aussi bien sur le plan de sa conception et de son type de construction que dans la version mise en circulation par nos soins. Cette déclaration perd sa validité en cas de modification du produit que nous n'avons pas approuvée.

Allgemeine Bezeichnung / General description / désignation générale:	Fass,- Container- und Behälterpumpen Drum, container and tank pumps Pompes pour fûts, conteneurs et récipients
Serien-Nr.: Serial no.: N° de série:	Siehe Typenschild am Gerät Refer to nameplate on the device Voir plaque signalétique sur l'appareil
Bevollmächtigter für die Zusammenstellung der Technischen Unterlagen: Authorised person for the compilation of the technical documents: Mandataire pour la constitution du dossier technique:	Klaus Bräuner, FLUX-GERÄTE GMBH, Talweg 12, 75433 Maulbronn
Qualitätsmanagementsystem: Quality Management system: Système de management de la qualité:	ISO 9001
Ex-Zertifizierung: Ex Certification: Certification ADF:	

Eingehaltene Richtlinien	Maschinenrichtlinie 2006/42/EG	
Pertinent Directives	Machinery Directive 2006/42/EC	
Directive courante	Directive Machines 2006/42/CE	
Angewandte harmonisierte Normen: Applied harmonised standards, in particular: Normes harmonisées appliquées en particulier :	EN ISO 12100:2010	EN 809:1998+A1:2009+ AC:2010
Typ / Type		
MINIFLUX Sanitary	x	x

Datum / Hersteller - Unterschrift:
Angaben zum Unterzeichner
Date / manufacturer – signature
Date / Signature du fabricant
Renseignements du signataire :

03.03.2025 / FLUX-GERÄTE GMBH
Klaus Hahn
Geschäftsführer / Managing Director / Directeur

10-954 60 833_01_0325

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Subject to technical changes.

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All operating instructions in one place.

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