

INSTRUCTION MANUAL

MILK MIXERS

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ORIGINAL MANUAL

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FOREWORD

GENERAL

This manual belongs to the milk mixer built by the company Machinebouw Jansen V.O.F. in Stroe. It contains all the information necessary for safe and correct operation of the milk mixer. The use of the milk mixer can be riskful, and incorrect use can be dangerous for its users and bystanders. Before using the milk mixer, these operating instructions need to be read carefully. Reading the safety instructions is essential for the safety of its users and bystanders.

READING GUIDE

The instructions and warnings needed for the safe operation of the milk mixer are included in this manual. The instructions are marked with the icons below. Examine these instructions carefully.



A note with additional information alerts the user to possible areas of attention or regulations intended for safety!



This note indicates the risks that may occur when using the milk mixer or performing work on the milk mixer!

PROPRIETARY RIGHTS

All rights are expressly reserved. Reproduction, adaptation and translation, in any way possible, without written permission of Machinebouw Jansen V.O.F is prohibited, as permitted by copyright.

This manual has been prepared with the utmost care. Should there be any questions, remarks or ambiguities, we kindly ask you to contact Machinebouw Jansen V.O.F. .

1. INTRODUCTION

1.1. GENERAL

These operating instructions are intended to assist in the performance of work with or on the milk mixer. This manual also contains all the information you need to safely and correctly work with or on the milk mixer. Before using the milk mixer, it is very important to read these instructions carefully. Being aware of how the milk mixer is operated and what the safety instructions are, is a prerequisite for working with the machine.

The safety instructions presented in these operating instructions must be adhered to by all users at all times. This is important for your safety and prevents damage to the milk mixer.

1.2. EC DECLARATION OF CONFORMITY

The requirements of the Machinery Directive 2006/42/EC and the EMC Directive 2014/30/EC apply to the milk mixer. Because the milk mixer complies with the applicable requirements of this/these European Directive(s), Machinebouw Jansen V.O.F. has drawn up an EC Declaration of Conformity. The EC Declaration of Conformity is incorporated in Annex I of this manual.

1.3. ADJUSTMENTS

If adjustments to the milk mixer are made in the future, the person making these adjustments must check whether these adjustments affect the information contained in this manual. If the information provided is outdated due to the modifications and is therefore no longer current, then the person who carried out the modifications must ensure that these instructions are amended.

The person who makes adjustments to the milk mixer is responsible for these adjustments and also takes responsibility for the proper and safe functioning of the milk mixer. Any changes or modifications must comply to the aforementioned European Directives.

1.4. USE BY THIRD PARTIES

When the milk mixer is sold, dismantled and/or moved as a whole or in parts, the safety of the newly assembled machine is entirely the responsibility of the person who reuses the milk mixer or parts thereof. The manufacturer accepts no liability whatsoever for the reuse of the milk mixer or parts thereof, as reuse or modifications may affect the safety of the milk mixer.

1.5. INSTRUCTIONS FOR USE



Before starting the milk mixer, read the manual carefully. Improper use of the milk mixer can be dangerous for you and bystanders!



When mixing, always use an earthed socket outlet!



**Never reach for moving parts, even if you can easily reach them!
This can cause (serious) injuries!**



Never point objects towards moving parts. This can cause serious injuries!

The milk mixer may only be used to mix the addition to the milk. The milk mixer may not be used for purposes other than those described in this manual. It is also forbidden to change the settings of the milk mixer.

Any use other than prescribed in this user manual may be very dangerous to users and bystanders. In addition, it is likely that the milk mixer will be damaged. Therefore, it is not allowed to use the milk mixer for any other use without permission of the manufacturer.

Every single user must follow the warnings and instructions described in this manual. If these instructions are ignored, this is considered to be negligent.



All instructions, warnings and regulations in this manual must be followed by all users. If these instructions are not followed, this is considered to be negligent.

2. DESCRIPTION OF THE MACHINE

2.1. CONSTRUCTION OF THE MACHINE

These operating instructions are intended to assist in the performance of work with or on the milk mixer. The milk mixer consists of a stainless steel tank that is equipped with a mixer to mix the liquid together with the additive.

2.2. LOCATION OF WORK AND OPERATION

The milk mixer should be operated in a set place when adding the additive to the milk product. This operating location must be provided with an earthed switched socket outlet.



During the mixing, the user needs to be facing the operating side of the mixer!



During the mixing, the user needs to be facing the operating side of the mixer!

2.3. TECHNICAL DATA

In the table below, some general technical specifications of the milk mixer can be found.

Specification	Data
Name	Milk mixer
Manufacturer	Machinebouw Jansen V.O.F.
Serial type number	001
Year of construction	2018
Weight	19 to 60 kg
Power supply of mixer	240V

2.4. MARKING

The milk mixer has an identification plate which displays the machine data. This identification plate must not be removed! Because the milk mixer complies with the applicable European Directives, the identification plate bears the CE marking.

Declaration of identification plate	Name	TYPE
	Manufacturer	Machinebouw Jansen V.O.F.
	Serial type number	001
	Year of construction	2018

3. SAFETY INSTRUCTIONS

3.1. GENERAL

The milk mixer is designed as such to prevent unsafe situations as much as possible. This chapter describes the measures taken to prevent possible dangerous situations. By the use of icons on the milk mixer, the user is made aware of the warnings for unsafe situations. Furthermore, section 3.6 of this manual will display all warnings.

3.2. AUTHORIZATION



Only authorized persons who have read and understood these operating instructions completely are authorized to work with the milk mixer!

Working with or on the milk mixer may only be done by qualified and sufficiently trained personnel. These persons must be familiar with all the functions and movements of the milk mixer.

It is also necessary to be informed about the possible dangers of the milk mixer and to have been made sufficiently aware of these operating instructions. These operating instructions provide sufficient training to enable the user to operate the milk mixer in a safe way.

3.3. SAFETY PROVISIONS

GENERAL

In order to prevent dangerous situations, a number of safety precautions and measures have been implemented. This makes it possible to work safely with or on the milk mixer. Before you can work with the milk mixer, you must be familiar with these provisions and measures.

3.4. SECURING THE MIXER

Before you can carry out any work on the milk mixer, you must first secure the milk mixer. This is to prevent the milk mixer from being started unintentionally and unexpectedly. Therefore, follow the procedure below to secure the milk mixer:

- Make sure the milk mixer is turned off, and no products remain;
- Switch off all power supplies and remove the plug for the mixer.
- Remove the battery terminals from the battery.

3.5. WARNINGS



When servicing the milk mixer, the plug for the mixer must be removed, the battery terminals must be disconnected and the key must be removed from the key switch!



Before using the milk mixer for the first time, inspect it (audio)visually for irregularities!



Before moving the milk mixer, check that all functions are working properly!



Do not exceed the maximum angle of inclination while moving the milk mixer!



**Pay special attention to children who might be playing.
Do not allow children to play near the milk mixer. Because of their innocence, their unawareness of possible dangers and their fixation on their playing, children can be at risk of great danger!**



The mixer must be operated at a set location provided with a switched earthed socket outlet!



Before using the milk mixer, check that the combination tank is empty and clean. If not, the machine must be cleaned!



Check that the tires are inflated to a sufficient pressure: the air pressure of the front tires must be 2 bar, and the rear tires must be 2.5 bar!



Driving on or in the milk mixer is prohibited!



Check if all fasteners are tightened!



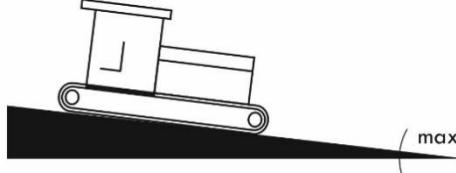
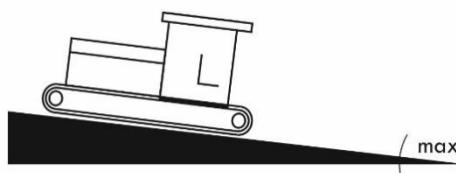
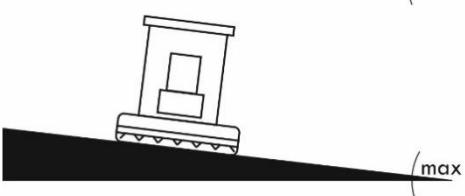
Check if the wiring of the milk mixer is insulated!



Before you can carry out any work on the milk mixer, you must first secure the milk mixer. This is to prevent the milk mixer from being started unintentionally and unexpectedly!

3.6. EXPLANATION OF ICONS

Icons are used to warn the user for hazards that cannot be avoided. These icons must never be removed! If the icons are missing or damaged, they should be replaced immediately.

Icon	Explanation	Location
	Reading the user manual is mandatory	Control panel
	Dangers of electricity	Electrical cabinet
	Risk of retraction during mixing	On the rim of the lid
	Danger of overturning while driving forward	10 degree slope
	Danger of overturning while driving backwards	10 degree slope
	Danger of turning over on a sideways slope	10 degree slope

4. INSTALLATION AND ASSEMBLY

4.1. GENERAL

Installing the milk mixer consists of the following global steps:

- Connect energy supplies to equivalent sources;
- Testing and checking;
- Starting to use the milk mixer.



Before using the milk mixer, check that the combination tank is empty and clean. If not, the machine must be cleaned!



Check if all fasteners are tightened!

4.2. ELECTRICAL CONNECTION

Follow the steps below to connect the milk mixer to an electrical power supply:

- Make sure that cables and wires do not cause tripping hazards.
The complete electrical equipment of the milk mixer must comply with the **NEN-EN-IEC 60204-1** standard;
- The socket outlet must be earthed. The socket outlet must also be operated with a switch.



The socket outlet must be earthed and must be operated by a switch!

4.3. TEST RUN

Before the milk mixer can be fully used, it must first be tested and checked. This chapter describes the tests and checks that must be carried out during the test run of the milk mixer. Visually inspect the milk mixer for possible damage.

4.4. BEFORE STARTING THE TEST RUN

Before starting the test run, the following checks must be carried out:

- Check that all guards and safety devices are present and function correctly;
- Check the environment for any remaining tools or packing materials, and remove them if necessary;
- By using the diagrams (Annex II), please ensure that all connections have been made correctly;
- Check all fastenings, and reconnect connections if necessary;



Any defects should be rectified before starting up the milk mixer!

4.5. DURING THE TEST RUN

After approval of all the above mentioned items, you can go ahead with the test run. Go through the following items during the test run:

- Fill the tank with liquid (water),
- Test all machine functions individually;
- Check for audio defects and visual defects such as unusual noise, vibrations, leakage;
- Check the pump, ball valve and lever for correct operation;
- Check if the mixer is operating correctly.



Any defects should be rectified before starting up the milk mixer!

4.6. AFTER THE TEST RUN

After the test run, check the milk mixer for the following items:

- Check the milk mixer for damage or defects;
- Check hoses and wiring for damage;
- Check for loose connection elements, re-tighten any loose connections.

5. WORKING WITH THE MILK MIXER

5.1. BEFORE USE

Follow the steps below to start the milk mixer:

- Check the milk mixer for residual residue; if residue remains, clean the machine before use (see section 7.3);
- Test the operation of all safety functions and energy switches
- Check the working area for any remaining obstacles, and remove them if any.

5.2. MIXING

Follow the steps below when mixing the milk:

- Fill the combination tank with water;
- Insert the plug into the socket outlet;
- Switch the socket outlet to operating mode;
- Add the additive to the water;
- Disconnect the power supply from the socket outlet;
- Remove the plug from the socket outlet;
- Store the plug in a designated area.

5.3. MAXIMUM ANGLE OF INCLINATION



Before driving, check the working area for slopes. These can lead to the milk mixer tipping over.

When driving with the milk mixer, the maximum angle of inclination is indicated on the combination tank. An angle of inclination greater than 10 degrees poses a tipping hazard.

5.4. DRIVING

You can move the milk mixer manually.

5.5. DELIVERY OF THE MILK

- If necessary, use the nozzle to pump the milk from the combination tank.

6. MAINTENANCE

6.1. GENERAL

This chapter contains instructions for carrying out maintenance and inspection work, for which a maintenance and inspection schedule (section 7.2.) has been drawn up. This schedule must be followed at all times. In addition, the following warnings must be observed.



Maintenance work may only be carried out by qualified technicians!



To perform maintenance, disconnect the milk mixer from the power supply, remove the key from the key switch and disconnect the battery terminals.

6.2. MAINTENANCE INTERVALS

Activities	Term	Addition
Visually inspect the machine for damage or defects.	Day	Fix defects.
Check the operation of the emergency stop and safety devices.	3 months	Replace in case of defects. Replace safety components preventively after 20 years.
Visually check the tire pressure for front tires 2 bar, rear tires 2.5 bar air pressure.	Week	Replace in case of leakage/sealing tire.

6.3. CLEANING

Always switch off the mixer completely before carrying out any cleaning work. It is not allowed to use aggressive cleaning agents. Only clean the machine with water and a cloth,



Never clean the milk mixer externally at main power (220V). The main power is connected during mixing, and during the charging of the battery!

7. MALFUNCTIONS

7.1. GENERAL

Proper operation and careful maintenance ensure that the machine has a long service life and will longer remain fault-free.

If there are faults, switch off the machine and consult the error list (section 8.2.). The following safety instructions must be observed for all maintenance work in the event of a fault;



Switch off the machine before searching for or solving any defects.



Any spare parts must comply with the specifications of the original parts!

7.2. LIST OF FAULTS if applicable

Fault	Cause	Solution
Milk mixer does not start	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Battery has insufficient voltage; <input checked="" type="checkbox"/> Key switch is off; <input checked="" type="checkbox"/> Emergency stop button operated; 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Charge battery by using the supplied charger. <input checked="" type="checkbox"/> Switch on the key switch in position 2. <input checked="" type="checkbox"/> Reset the emergency stop button.
Do not drive	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Battery has insufficient voltage; <input checked="" type="checkbox"/> Key switch is off; <input checked="" type="checkbox"/> Emergency stop button operated; 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Charging the battery with a battery charger. <input checked="" type="checkbox"/> Switch on the key switch. <input checked="" type="checkbox"/> Reset the emergency stop button.
Do not mix	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Plug not plugged in; <input checked="" type="checkbox"/> Socket outlet switch not switched on; <input checked="" type="checkbox"/> Key switch is off; <input checked="" type="checkbox"/> Emergency stop button operated; 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Plug in socket outlet. <input checked="" type="checkbox"/> Press the socket outlet switch. <input checked="" type="checkbox"/> Switch on the key switch in position 1. <input checked="" type="checkbox"/> Reset the emergency stop button.
Pump does not provide flow	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Battery has insufficient voltage; <input checked="" type="checkbox"/> Key switch is off; <input checked="" type="checkbox"/> Emergency stop button operated; <input checked="" type="checkbox"/> Hose is blocked <input checked="" type="checkbox"/> Pump inlet blocked; <input checked="" type="checkbox"/> Pump output blocked; 	<ul style="list-style-type: none"> <input checked="" type="checkbox"/> Charge battery by using the supplied charger. <input checked="" type="checkbox"/> Switch on the key switch in position 2. <input checked="" type="checkbox"/> Reset the emergency stop button. <input checked="" type="checkbox"/> Uncouple the hose and clear it. <input checked="" type="checkbox"/> Clear pump inlet. <input checked="" type="checkbox"/> Clear pump output.

8. TRANSPORT, STORAGE AND DISPOSAL

8.1. TRANSPORT

Follow the procedure below to transport the milk mixer or parts of it:

- Always secure the machine (parts) to the transport vehicle; use lashing straps if necessary;

8.2. STORAGE

If the milk mixer is going to be stored, follow these instructions:

- Turn off power supplies and check the system for any remaining stored energy;
- Remove any excess dirt and place the machine (parts) in a suitable location;
- The location must be dry, clean and frost-free, with minimal risk of damage or tripping;
- Make sure there is sufficient ventilation, so do not seal the milk mixer airtight;

8.3. DISPOSAL

To dispose of the milk mixer, follow these instructions:

- Turn off power supplies and check the system for any remaining stored energy;
- Follow local (environmental) regulations when disposing of materials and other raw materials;
- Take additional measures for materials that have been designated as environmentally friendly by the government;

9. ANNEXES

DECLARATION OF CONFORMITY

EC DECLARATION OF CONFORMITY

ACCORDING TO ANNEX IIA OF THE MACHINERY DIRECTIVE
2006/42/EC

We,

Machinebouw Jansen V.O.F.
Stroeërweg 69-71
3776 MH Stroe
The Netherlands

hereby declare that the undersigned is authorized to compile the Technical Dossier for this product on behalf of our company.

We in addition declare under our own responsibility that the product below:

Type:	Milk mixer
Year of	2018
construction:
Serial no:	

Conforms to the provisions of the following European Directives:

Machinery Directive 2006/42/EC	
EMC Directive	2001/14/30/EC

Also in conformity with the following standards:

EN-ISO 12100, EN-ISO 13857, EN-ISO 14120, EN-IEC 60204-1, EN-ISO 13850, EN-ISO 13849-1 EN-IEC61000-2; EN-IEC61000-4
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Stroe, (date) _____ (function) _____

Signature of authorized person:



II ELECTRICAL DIAGRAM