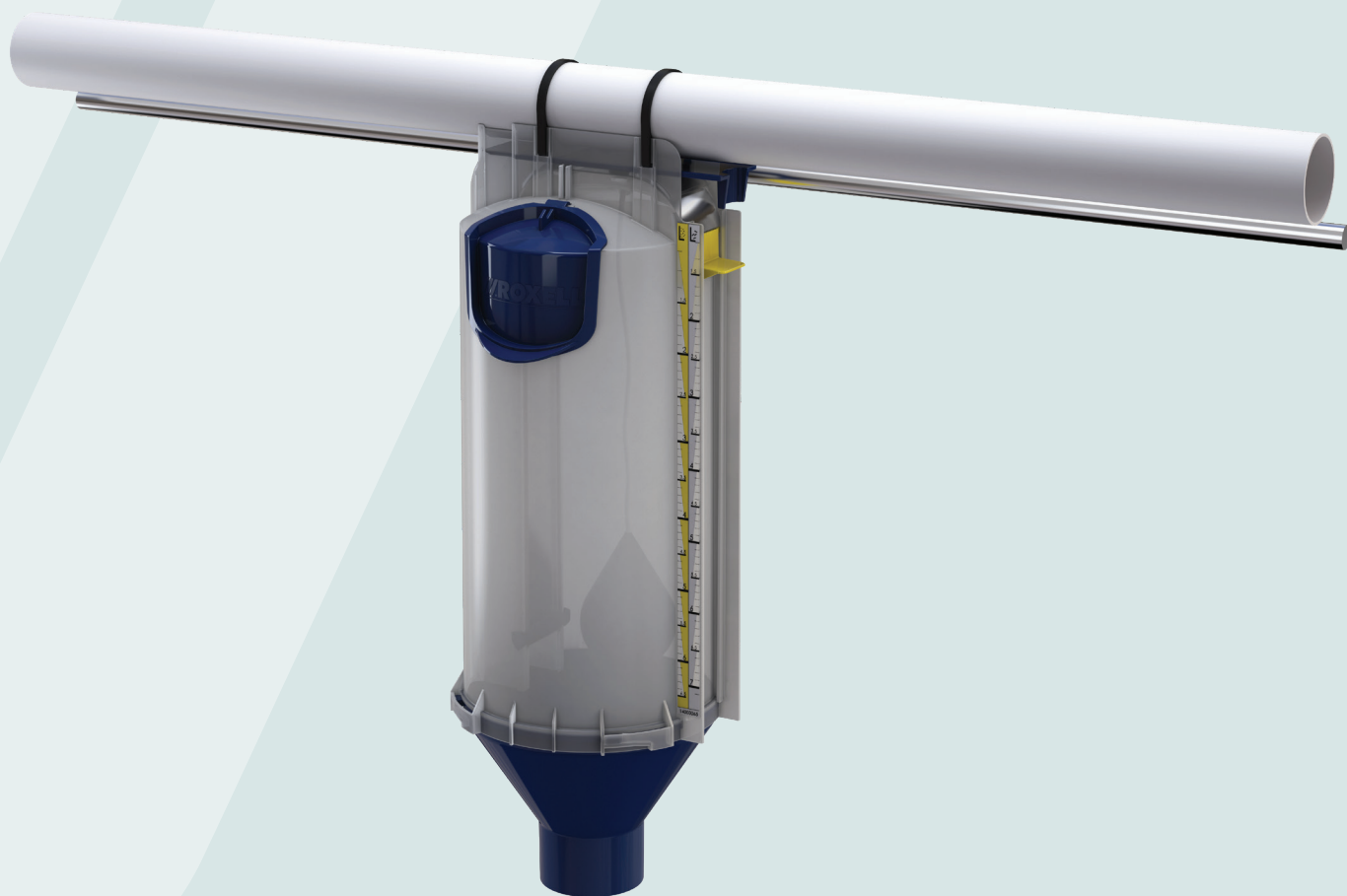




Dos7™

User Guide



Original User Guide

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Disclaimer

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General information

! **IMPORTANT:** These instructions must be read, understood and all points observed by the user, the responsible and operating personnel.

Obey the legal regulations and the applicable rules

This concerns, among other things, the European regulations and directives transposed into national legislation and/or the laws, safety and accident prevention regulations that apply in the user's country.

During assembly, operation and maintenance of the installation the legal regulations concerned and the applicable technical rules must be obeyed.

Intended use

The installation has been designed solely for intensive livestock use and has been developed according to the applicable rules of good workmanship. Extra loading of the product is therefore prohibited. Any other use is considered to be improper use. The manufacturer is not responsible for damage resulting therefrom. The user bears sole responsibility. The manufacturer can determine from the system data whether the product was used in accordance with the specified use.

Not-intended use

All use different than described in [Intended Use](#) is at the responsibility of the end user.

Liability

The (extended) warranty will not apply if any of the following has occurred: failure by the customer to inspect the delivered goods and report visible defects within 8 days of delivery with respect to the products, improper handling, transportation, modification or repair; accidents, defective or improper use; improper or defective assembly, installation, connection or maintenance (having regard to Roxell's most current assembly, installation, connection and maintenance manuals); improper modifications or manipulations of the operating system, hardware or any other software of the product by the customer; force majeure; negligence, lack of supervision or of maintenance on the part of customer; normal wear and tear; use of cleansing agents and disinfectants that are excluded in Roxell's most current use and maintenance manuals; use of cleansing agents and disinfectants in violation with the instructions received from the suppliers; or use of the products in an ATEX- surrounding.

The (extended) warranty shall not apply in the event of a defect caused either by materials or accessories supplied by or services rendered by the customer; or by an intervention by a person or entity which is not authorized or qualified for carrying out such intervention. Furthermore, the (extended) warranty will only apply if the products are used in livestock houses and if all parts or components of the products are supplied by Roxell.

Roxell will not be liable for any damages caused due to improper or defective use, assembly, installation, connection or maintenance of the products. In this respect, the customer expressly acknowledges that (i) all use, assembly, installation, connection or maintenance must be done in accordance with Roxell's most current assembly, installation, connection and maintenance manuals and (ii) the electrical installation on which the products must be connected must be done in accordance with applicable local legislation on electrical installations. Furthermore, the products must be tested both mechanically and electrically by the customer in accordance with state of the art techniques and applicable local legislation.

Personnel qualifications

User

The person who uses a function or operation of a product for their work or who works on the product. The user must be able to read the instructions for use and fully understand them. The user has knowledge of the functioning and construction of the installation.

Technically trained person

An expert who can assemble and maintain the installation (**mechanically/electrically**), and resolve malfunctions. On the basis of his/her technical training and experience, he/she has sufficient knowledge to be able to assess activities, recognize possible dangers and rectify dangerous situations.

Storage

Put all parts to be assembled in a room or at a location where the not yet assembled components are protected against weather influences.

Transport

Depending on the size of the parts and according to local circumstances and local legislation, the parts of the machine have to be transported with a forklift.

The forklift must be operated by a qualified person and in accordance with the rules of good workmanship. When lifting the load, always check if the center of gravity of the load is stable.

Dismantling

Dismantle the installation and its components in accordance with the environmental legislation of the country or the local authorities applicable at that time. All functioning products and exchange parts must be stored and disposed of in accordance with the applicable environmental regulations.

Environmental information for customers in the European Union



The European legislation requires that equipment marked with this symbol on the product or packaging must not be collected with unsorted household waste. This symbol indicates that the waste electrical and electronic equipment (WEEE) cannot be disposed of in the regular household waste. We highly recommend that you bring your product to an official collection point so that an expert can remove the waste electrical and electronic equipment. Inform yourself of local legislation on separate collection of waste electrical and electronic equipment. Respect the local regulations and never dispose of the product together with household waste.

Information about waste disposal - electrical/electronic material for companies

1. In the European Union

If you have used the product for commercial purposes and you want to dispose of it, contact Roxell, who will give you information about the return of the product. It is possible that you will have to pay a disposal charge for the return and recycling. Small products (and small quantities) can be processed by the local collection agencies.

2. In other countries outside the European Union

If you want to dispose of this product, contact the local authorities for information concerning the correct disposal procedure.

The level of noise emission

The noise level of the installation in operation does not exceed 70 dB(A).

LOTOTO = Lock Out - Tag Out - Try Out

Before you begin: Everyone needs his own lock and tag (label), which can't be removed by other persons. Inform all the persons who are influenced by the procedure.

1 To block

- Localize all sources of energy (electric, hydraulic, pneumatic).
- Switch off.
- Take the relevant installation or process out of operation and lock it against reuse. You can do this by placing a padlock or other blocking mechanism (Lock Out).

2 To mark

Attach a sign, label or sticker to the padlock or blocking mechanism to reveal the nature and the expected duration of the work to other persons (Tag Out).

3 To check

- Check if the source of energy is switched off.
- Remove any remaining energy.
- Check that the installation or process is actually safe (Try Out).

Use personal protective equipment

Ensure you wear personal protective equipment (gloves, dust masks...).

Illuminance - sufficient lighting

- **A minimum illuminance of 200 lux is necessary** during usage, maintenance and installation.
- Provide at the installation **(portable) emergency lighting in case of power failure.**

Electrical equipment, control panels, components and drive units








- To operate control panels, there must be **at least 70 cm of free space.**
- Control panels must **always remain closed.** The key of the control panel must be in possession of an authorized person. Only an electrically trained person (see above) shall carry out maintenance activities inside the control panels.
- The necessary measures must be taken by the user to keep out **rats, mice and other vermin from the control panels.**
- If electrical equipment, control panels, components and drive units are damaged, the system must be stopped **immediately!**
- Electrical equipment, control panels, components and drive units should **never be sprayed with water or other liquid!**
- Electrical equipment, control panels, components and drive units should **never be covered with any material.**

Information about the residual risks - used safety signs

There are three levels of danger, which you can recognize from the following signal words:

- **DANGER**
- **WARNING**
- **CAUTION**

The nature and source of the imminent danger and possible consequences of not obeying warnings is stated here!

Symbol	Meaning
	DANGER indicates a direct imminent danger that can result in a serious or even fatal accident if the safety measures are not respected.
	WARNING indicates a possible imminent danger that can result in a serious accident or damage to the product if the safety measures are not respected.
	CAUTION indicates possible, dangerous situations that can result in minor physical injury or material damage if the safety measures are not respected.
	This symbol refers to supporting information.
	Allowed
	Not allowed
	This symbol will be used to draw your attention to matters that are of great importance for your safety. It means: warning - follow the safety instructions. Disconnect the current and read the safety rules. In short: be alert. Ignoring these instructions can cause serious injuries or even death.

GENERAL SAFETY RULES

Dos7 Nr. : 040...

Automatisch voedersysteem voor individueel gehuisveste zeugen

Automatic feeding system for individual sow feeding



DANGER

IMPORTANT

Carefully read the following instructions before
USING the system

1. Before you do any **repair**, or **maintenance works**, always **disconnect the electricity supply by switching off the main switch**.
2. Ensure you wear **personal protective equipment** (gloves, dust masks).
3. With normal use the **opening system starts automatically**.
Never put your **hands** on opening tubes or cables before you have **completely switched off the electricity supply** and made sure that **nobody can switch it on without your knowledge**.
4. **Never allow unauthorized persons to enter the house** in your absence.
5. If the opening system stalls : **immediately switch off the system**. Carefully read the trouble shooting guide and strictly follow instructions.
Contact a **technically trained person**.
A cable **under tension can cause very serious injuries** when breaking.
6. Regularly check the **cable and tube connections**. Tighten if necessary.
7. Regularly check that the **motor handy box** is properly closed.



This **SYMBOL** will be used to draw your attention to matters that are of **GREAT IMPORTANCE** for your **SAFETY**.

It means : **WARNING** - follow the safety instructions : disconnect the current - re-read the safety rules.

In short : **BE ALERT. IGNORING** these instructions can cause **SERIOUS INJURIES** or even **DEATH**.

0516

Dos⁷

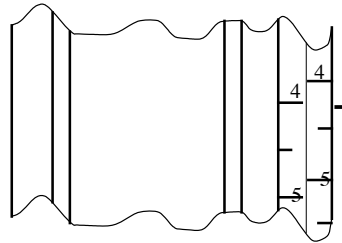
OPERATOR'S GUIDE

04005211

ROXELL

TO ADJUST THE AMOUNT OF FEED

1. First you need to calibrate the scale [liter] with your special feed, because the scale is an indicative one (look next page).
2. Use the white scale for pellets and the yellow scale for mash.
3. Move the slide to the desired amount of feed.
4. Example for pellets : to feed 2 kg pellets, you set the slide handle at 3,2 litres on the white scale.
5. You adjust the same quantity for each group.



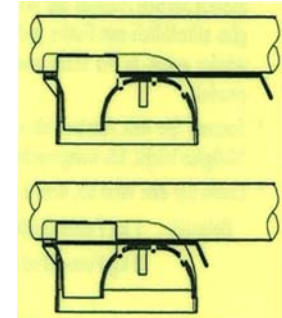
ATTENTION ! DO NOT adjust the amount of feed unless the dispenser is empty.

ADMINISTERING MEDICINES

1. You can administer solid medicines to each sow.
2. Open the window in the front panel of the dispenser.
3. Add the medicines to the feed in the dispenser.
4. Close the window again.

TO SHUT OFF THE DISPENSERS

1. If a sow pen is empty or will become empty, shut off the dispenser with the shut-off slide.
2. Do this when the dispenser is filled for the last meal or after the last meal, before filling the dispenser again.
3. You can disconnect the feed supply system (on the central control panel).
4. If the dispenser is filled and there is no sow : detach the cord of the opening pear from the opening tube (or cable). Use a screwdriver to loosen the clamp.



TO CLEAN THE DISPENSER

1. Stop the feed supply system. Switch off the central control panel.
2. Open the window after a meal.
3. Clean the inside and the outside of the dispenser (**max. 25 Bar**).
4. Hang the pear outside the dispenser.
5. Let the dispenser and the drop tube dry completely.
6. Close the window and restart the feed supply system.

USING A CONTROL DISPENSER

If you use a control dispenser to stop the feed supply system, take care that there are always sows in that compartment.



OPERATOR'S GUIDE



CALIBRATION OF THE DISPENSER

The indication of the volume on the ROXELL dispenser for mash and pellets is an **indicative scale** and can differ from the usage of your specifically used feed. For an exact feed dosage ROXELL recommends to calibrate the scale of the dosage with your specific feed before production.

1. Use a dispenser which is installed on your feeding system.
2. Choose an indicative scale on the dispenser on the feed (mash or pellets) in use.
3. Place the slide handle on the chosen scale at 1 l and fill the dispenser by the filling system.
4. Empty the dispenser and weigh the feed quantity. Note this on the calibration table (look below).
5. Repeat this procedure 5 times in total for the same volume.
6. The average of these 5 measurements reflects the real dosage of your feed at the chosen scale of the ROXELL dispenser.
7. Repeat with other volumes (1l. → 7l) .

REMARK: Repeat this procedure, if you change the type of feed.

TABLE OF CALIBRATION

Measurement	1	2	3	4	5	Calibration Weight
Scale Dispenser						Average
1 l						
2 l						
3 l						
4 l						
5 l						
6 l						
7 l						

MAINTENANCE INSTRUCTIONS



DANGER

**Switch off the main switch first.
Use personal protective equipment.**

ACTIONS IN GREY BACKGROUND MUST BE DONE BY A TECHNICALLY TRAINED PERSON.

	6-monthly
1. Power unit	
- Make fan dust-free	X
- Check possible damages to electrical wiring	X
2. Dos7	
- Check possible damages	X

TROUBLE SHOOTING GUIDE



DANGER

**Switch off the main switch first.
Use personal protective equipment.**

ACTIONS IN GREY BACKGROUND MUST BE DONE BY A TECHNICALLY TRAINED PERSON.

PROBLEM	CAUSE	CORRECTIVE ACTION
1. Opening system does not operate.	"On-off" switch not on "I".	Adjust switch.
	"Up" switch does not work.	Check switch.
	Thermic switching off of the motor.	Orange lamp lights. Check thermic protection. Measure phase current.
2. Opening system keeps running upwards.	Striking of end switches has come loose.	Check end switches.
3. No feed in the dispenser.	Shut off slide not open.	Open the shut off slide.
4. No feed in the trough.	Opening system does not operate.	See 1.
	Obstruction in the drop tube.	Clean drop tube.
	Dispenser not closed (dump ball not on bottom).	Check and fix the cord to the opening tube.



Inbouwverklaring betreffende niet voltooide machines (Richtlijn 2006/42/EG, Bijlage II.1.B)
Declaration of incorporation of partly completed machinery (Directive 2006/42/EC, Annex II.1.B)

Fabrikant/Manufacturer:
Roxell BV, Industrielaan 13, 9990 Maldegem
Tel: +32 50 72 91 72
Fax: +32 50 71 67 21

Verklaart geheel onder eigen verantwoordelijkheid dat het product:
Declares on its own responsibility that the product:

Dos7 Nr: 040...
Automatisch voedersysteem voor individueel gehuisveste zeugen.
Automatic feeding system for individual sow feeding.

Waarop deze verklaring betrekking heeft, in overeenstemming is met:
- de volgende richtlijnen: 2006/42/EG (Machinerichtlijn); 2014/30/EU (Elektromagnetische Compatibiliteit);
- de geharmoniseerde Europese Normen: EN ISO 12100:2010; EN ISO 13854:2019; EN ISO 13857:2019; EN IEC 60204-1:2018; EN IEC 61439-1:2021; EN IEC 61439-2:2021.

Het is verboden bovengenoemd product in gebruik te stellen voordat de machine waarin het wordt ingebouwd in overeenstemming met de bepalingen van de Machinerichtlijn is verklaard.

Tevens verbindt de fabrikant (of zijn gemachtigde) zich om op met redenen omkleed verzoek van de nationale autoriteiten de relevante informatie over deze niet voltooide machine door te geven. De wijze van doorgifte is digitaal. De wijze van informatieverstrekking laat de intellectuele-eigendomsrechten van de fabrikant van de niet voltooide machine onverlet.

(NL)

Relating to this declaration, is in accordance with
- The following directives 2006/42/EC (Machinery Directive); 2014/30/EU (Electromagnetic Compatibility).
- The harmonised European standards: EN ISO 12100:2010; EN ISO 13854:2019; EN ISO 13857:2019; EN IEC 60204-1:2018; EN IEC 61439-1:2021; EN IEC 61439-2:2021.

This product must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive.

The manufacturer (or its agent) also undertakes, at the duly reasoned request of the national authorities, to provide the relevant information concerning this partly completed machinery. The method of transmission will be digital. The manner in which the information is provided does not prejudice the manufacturer's intellectual property rights concerning the partly completed machinery.

(EN)

04005260

Plaats, Datum / Place, Date: Maldegem, 01/01/2023

.....
Dhr. Gino Van Landuyt
Managing Director

"This part may only be filled out if all built-in subparts are delivered by Roxell"

EG-verklaring van overeenstemming (Richtlijn 2006/42/EG, Bijlage II.1.A)
EC-declaration of conformity (Directive 2006/42/EC, Annex II.1.A)

Wij/We _____
(naam installateur/name fitter)

(volledig adres en land/complete address)

Verklaren geheel onder eigen verantwoording de
Declare completely on own justification that

(naam machine/name machinery) (nummer CE-label/number CE-label)

In een installatie te hebben ingebouwd geheel volgens de Roxell-voorschriften en in overeenstemming met de bepalingen van de Machinerichtlijn.
Has been incorporated in conformity with the provisions of the Machinery Directive and the prescriptions of Roxell BV.

(plaats, datum/place, date) (naam, handtekening/name, signature)

De EG-verklaring van overeenstemming / inbouwverklaring betreft uitsluitend de machine of niet voltooide machine in de toestand waarin zij op de markt is gebracht, met uitsluiting van de later bijvoorbeeld door de verdeler en/of installateur en/of eindgebruiker toegevoegde componenten en/of verrichte bewerkingen.

The EC-declaration of conformity / declaration of incorporation relates exclusively to the machinery or partly completed machine in the state in which it was placed on the market and excludes components which are added and/or operations carried out thereafter for instance by the distributor and/or the installer and/or the final user.



UK Declaration of Incorporation of partly completed machinery
Supply of Machinery (Safety) Regulations 2008

Manufacturer:

Roxell BV, Industrielaan 13, 9990 Maldegem

Tel: +32 50 72 91 72

Fax: +32 50 71 67 21

Declares on its own responsibility that the product:

Dos7 Nr: 040...

Automatic feeding system for individual sow feeding.

Relating to this declaration is in accordance with the essential requirements of

- The following Statutory Instruments:
 - o Supply of Machinery (Safety) Regulations 2008
 - o Electromagnetic Compatibility Regulations 2016
- The following Designated standards:

BS EN ISO 12100:2010; BS EN ISO 13854:2019; BS EN ISO 13857:2019; BS EN IEC 60204-1:2018; BS EN IEC 61439-1:2021; BS EN IEC 61439-2:2021.

This product must not be put into service until the machinery into which it is to be incorporated has been declared in conformity with the provisions of the Machinery Directive.

The manufacturer (or its agent) also undertakes, at the duly reasoned request of the national authorities, to provide the relevant information concerning this partly completed machinery. The method of transmission will be digital. The manner in which the information is provided does not prejudice the manufacturer's intellectual property rights concerning the partly completed machinery.

Place, Date: Maldegem, 01/01/2023

.....
Dhr. Gino Van Landuyt
Managing Director

"This part may only be filled out if all built-in subparts are delivered by Roxell"

UK Declaration of Conformity
Supply of Machinery (Safety) Regulations 2008

We _____
(name installer)

(complete address)

Declare completely on own justification that

_____ (name machinery) (number UKCA-marking)

has been incorporated in conformity with the provisions Supply of Machinery (Safety) Regulations 2008 and the prescriptions of Roxell BV.

_____ (place, date) (name, signature)

The UK Declaration of Conformity / Declaration of Incorporation relates exclusively to the machinery or partly completed machine in the state in which it was placed on the market and excludes components which are added and/or operations carried out thereafter for instance by the distributor and/or the installer and/or the end user.



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