

DiSCAFLEX™

User's Guide



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GENERAL INFORMATION

1. OBEY THE LEGAL REGULATIONS AND THE APPLICABLE RULES!

This concerns, among other things, the European 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.

2. 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 there from. The user bears sole responsibility.

3. NOT-INTENDED USE

All use different than described in point 2" intended use" is at the responsibility of the end user.

4. LIABILITY

Any claim under guarantee is void for damage that has resulted from improper use and unauthorised actions not provided for in the instructions for use. ROXELL NV cannot be held responsible for this damage.

This declaration relates exclusively to the machinery in the state in which it was placed on the market, and excludes components which are added and/or operations carried out subsequently by the final user.

The liability of Roxell ends in case the end user changes or adapts the installation himself.

5. 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, recognise possible dangers and rectify dangerous situations.

6. INFORMATION ABOUT THE RESIDUAL RISKS - USED SAFETY SIGNS





There are three levels of danger, which you can recognize from the signal word

* **DANGER**

* **WARNING**

* **CAUTION**

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

 DANGER	DANGER indicates a direct imminent danger that can result in a serious or even fatal accident if the safety measures are not respected.
 WARNING	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	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.

GENERAL INFORMATION

7. DISMANTLING, STORAGE, TRANSPORT

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



European directive 2002/96/EC amended by the Directive 2008/34/EC requires that equipment that bears this symbol on the product or packaging must not be disposed of with unsorted household waste. This symbol indicates that the product must be disposed of separately. You are yourself responsible for the destruction of this and other electrical and electronic equipment via the disposal channels designated for that purpose by the national or local government. The correct destruction and recycling of this equipment prevents any negative consequences for the environment and health. For more information about destroying your old equipment, contact your local authorities or waste disposal service.

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 N.V. 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.

8. THE LEVEL OF NOISE EMISSION

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

9. MAIN SWITCH

Before you do any repair, or maintenance works, always disconnect the electricity supply **by switching off the main switch.**

10. PROTECTION

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

THESE INSTRUCTIONS MUST BE READ, UNDERSTOOD AND ALL POINTS OBSERVED BY THE USER, THE RESPONSIBLE AND OPERATING PERSONNEL.

DISCLAIMER : The original, authoritative version of this manual is the Dutch version produced by Roxell NV. Subsequent changes to any manual made by any third party have not been reviewed nor authenticated by Roxell. Such changes may include, but are not limited to, translation into languages other than Dutch, and additions to or deletions from the original content. Roxell disclaims responsibility for any and all damages, injuries, warranty claims and/or any other claims associated with such changes, inasmuch as such changes result in content that is different from the authoritative Roxell-published Dutch version of the manual. For current product installation and operation information, please contact the customer service and/or technical service departments of Roxell. Should you observe any questionable content in any manual, please notify Roxell immediately in writing to: Roxell NV - Industrielaan 13, 9990 Maldegem - Belgium.

GENERAL SAFETY RULES

Discaflex Nr. 048

Transportsysteem voor droogvoeder bij complexe stallen

Feed transport system for complex house layouts

IMPORTANT



DANGER

Carefully read the following instructions before
USING the system

1. Before you do any **repair**, or **maintenance works**, always **disconnect the electricity supply** to the feeding and transport systems.
2. Ensure you wear **personal protection equipment** (gloves, dust masks).
3. The transport system **starts automatically**.
never use your **hands** at **dangerous locations** (feed intake boot, drive unit or outlet holes in the tubes) before you have **completely switched off** the transport system 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 chain stalls : **immediately** switch **off** the system. Carefully read the trouble shooting guide and strictly follow the instructions. if necessary, Contact a **technically trained person**.
6. Regularly check the **corner wheel and tube connections**. Tighten if necessary.



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**.

OPERATOR'S GUIDE

If Discaflex runs on a level switch in the last pen : make sure that there are always enough animals in that pen.

HINT : install the level switch as low as possible.

If Discaflex starts from 2 feed bins : use one bin **or** the other. Never use both bins at the same time.

You can use Discaflex for most of the current commercial feeds.

Other feed mixture can make the operation of Discaflex more difficult. Feeds mixed with CCM can disturb the operation of the system. For other applications: contact Roxell.

DETERMINE THE IDEAL FILLING DEGREE

The filling degree can change according to the kind of feed. Adjust the capacity so that the disks become visible.

The adjustment of the intake boot is different for mash and pellets.

NEVER allow that too much feed enters the circuit, or that the circuit is filled twice.

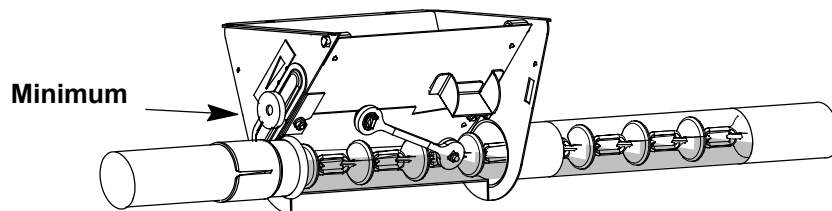


Figure 1.

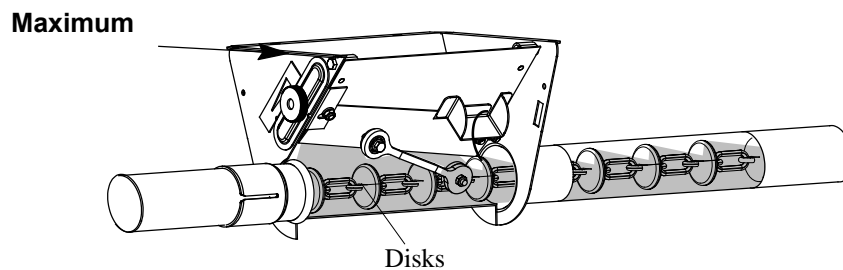
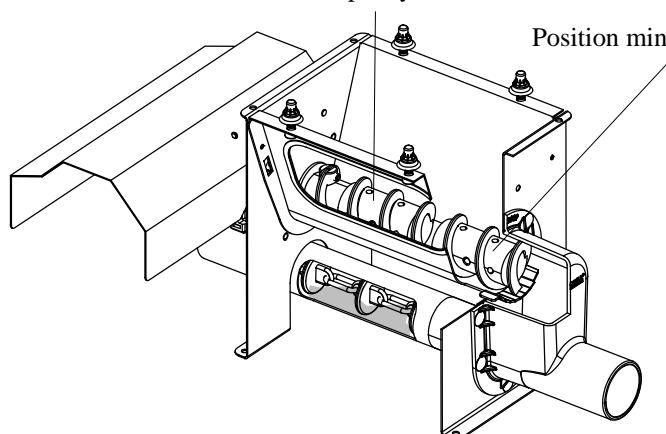


Figure 2.


Position maximum capacity.

Position minimum capacity.



Adjust the capacity so that the disks become visible.

Figure 3.

MAINTENANCE INSTRUCTIONS				
 DANGER	Switch off the current first. Use protection	3-monthly	6-monthly	Yearly
ACTIONS IN GREY BACKGROUND MUST BE DONE BY A TECHNICALLY TRAINED PERSON.				
1. Power unit				
- Make fan dust-free				X
- Check possible damages to electrical wiring				X
2. Chain with discs				
- Remove the cover. Remove feed residues if necessary.		X		
- Check the chain tension. The tension wheel in the drive unit must be approximately in the centre position. If necessary, adjust by removing one or more links.			X	
- Remove the cover of the corner wheels. If necessary, remove feed residues.		X		
3. Drive unit				
- Clean gear housing				X
4. Suspension				
- Check suspension of tubes and motors		X		
5. Sensors/switches				
- Check operation of safety switch			X	
- Check electrical wiring				X

CLEANING

Do not clean the system with corrosive cleaning products (see specification of the supplier).

When cleaning with water, cover all the electrical parts !

In any case, let the installation dry thoroughly before starting it again.

TROUBLE SHOOTING GUIDE

Switch off the current first. Use protection



DANGER

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

PROBLEM	CAUSE	CORRECTIVE ACTION
1. No operation possible.	No supply current.	Check main switch and/or fuses and/or line current.
2. Flex-Auger bin to Discafex does not run. (See also user's guide Flex-Auger)	Operation button not in "ON" position.	Adjust button.
	Flex-Auger safety switch is activated.	Disengage safety switch and find cause of blockage.
	Thermal switch-off of the Flex-Auger (if not overloaded or blocked).	Check fuses. Check adjustment of thermic protection. Reload thermic protection and check its proper operation.
3. Discafex circuit does not run.	Wrong programming of time clock.	Check programming of time clock.
	Discafex safety switch is activated. (Sledge moved to the right). - The motor runs in the wrong direction.	- Connect the motor correctly.
	Discafex safety switch is activated. (Sledge moved to the left). - Chain too long (stretched). - Obstruction in the chain (blockage). - Too much feed in the tubes (overloading).	- Remove one or more links. - Check the intake boot and remove any object present. - Remove all feed from the drop tubes (open all outlets, stop the Flex-Auger, let Discafex run). Adjust the transport capacity lower than 1000kg/h(=until the carriers are visible).
	End switch and/or sensor activated.	Check end switch and/or sensor for proper operation.
	Thermal switch-off of the Discafex (if not overloaded or blocked).	Check fuses. Check adjustment of thermic protection. Reload thermic protection and check its proper operation. Check proper operation of the Discafex safety switch.
	The transparent cover is not properly installed or not installed at all.	Install the cover correctly, so that it activates the magnet switch.
	The chain got loose from the chainwheel.	Re-install the chain on the chainwheel. Check the chain length.
4. Chain runs erratically.	a. When using the system for the first time.	This is not a breakdown ; it will settle after some use.
	b. Chain installed in the wrong direction.	Check the whole circuit. Install the chain in the correct direction.
	c. Circuit not properly suspended (loose or ineffective suspension).	Realign circuit. Check all suspensions and readjust where needed.
	d. The corner wheels are blocked.	Remove the covers and clean the corner wheels.

**SWITCH OFF THE MAIN SWITCH OF THE CENTRAL CONTROL PANEL BEFORE YOU PROCEED WITH MANUAL CHECKS OR REPAIRS OF CHAINS OR POWER UNIT !
WHEN THE CHAIN IS BLOCKED, PROCEED AS FOLLOWS :**

1. Put the main switch 1 in position "Off".
2. Locate the blocking spot precisely: open one corner wheel after another until you find the dislodged chain.
3. Find the cause and correct. (See above.)
4. If necessary, re-activate the thermic protection of the circuit.
5. Activate the safety switch in the drive unit.
6. Install the transparent cover on the drive unit.
7. Press the main switch. The system is ready for a new cycle.



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, 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:

DiSCAFLEX Nr: 048...
Transportsysteem voor droogvoeder bij complexe stallen.
Feed transport system for complex house layouts.

Waarop deze verklaring betrekking heeft, in overeenstemming is met:

- de volgende richtlijnen: 2006/42/EG (Machinerichtlijn); 2004/108/EG (Elektromagnetische Compatibiliteit).
- de geharmoniseerde Europese Normen: EN ISO 13857:2008; EN 349:1993 + A1:2008; EN ISO 12100:2010; EN 60204-1:2006

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 informatieverschaffing laat de intellectueel-eigendomsrechten van de fabrikant van de niet voltooide machine onverlet
(NL)

Relating to this declaration, is conform

- The following directives 2006/42/EC (Machinery Directive); 2004/108/EC (Electromagnetic Compatibility).
- The harmonised European standards: EN ISO 13857:2008; EN 349:1993 + A1:2008; EN ISO 12100:2010; EN 60204-1:2006

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)

Plaats, Datum / Place, Date : Maldegem, 01/01/2012

04802005

.....
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)

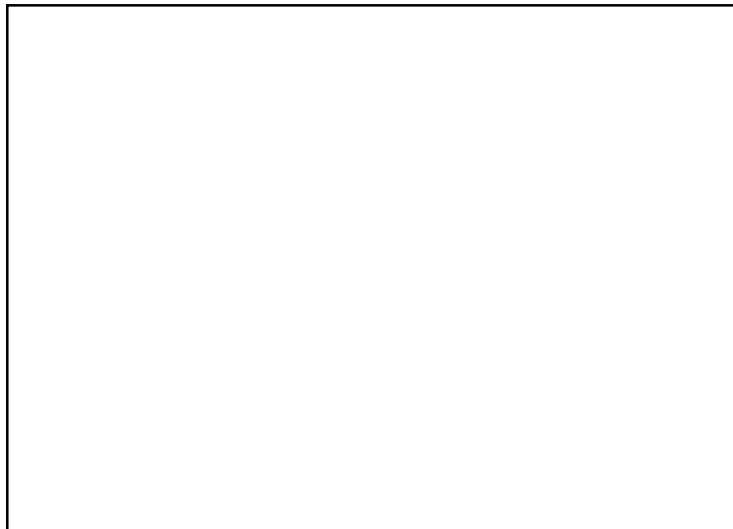
In een installatie te hebben ingebouwd geheel volgens de Roxell-voorschriften en in overeenstemming met de bepalingen van de Machinerichtlijn.
Has been incorporated in conformity with the provisions of the Machinery Directive and the prescriptions of Roxell NV

(plaats, datum/place, date)

(naam, handtekening/name, signature)

Deze verklaring betreft uitsluitend de machine in de toestand waarin zij in de handel is gebracht, met uitsluiting van de later door de eindgebruiker toegevoegde componenten en/of verrichte bewerkingen.

This declaration concerns solely the machinery in the condition in which it has been brought onto the market, excluding components added and/or modifications made later by the end user.



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