

Lely Grazeway

Selection Box



Operator Manual

en-US - English Original

5.1530.8532.0 E





INTENTIONALLY BLANK

Trademarks, Copyright and Disclaimer

The information given in this publication is provided for information purposes only and does not constitute an offer for sale. Certain products may not be available in individual countries and products supplied may differ from those illustrated.

No part of this publication may be copied or published by means of printing, photocopying, microfilm or any other process whatsoever without prior permission in writing by Lely Holding B.V. Although the contents of this publication have been compiled with the greatest possible care, Lely cannot accept liability for any damage that might arise from errors or omissions in this publication.

For more information on the right on exclusive use please refer to our trademark notice on www.lely.com.

Copyright © 2025 Lely Holding B.V.

All rights reserved

Lely Industries N.V.

Cornelis van der Lelylaan 1

3147 PB Maassluis

the Netherlands

Phone: +31 (0)88 1228221

Fax: +31 (0)88 1228222

Website: www.lely.com



INTENTIONALLY BLANK

5.1530.8532.0 E

List of included amendments

No:	Issue date (yyyy/mm)	Chapter(s)	Remarks
A	2018/11		Initial issue for validation.
B	2019/01		Initial issue.
C	2019/07		Added: Qwes IR reader (5.1530.0060.1) and Qwes LD reader (5.1530.0070.1).
D	2022/09		UKCA declaration of conformity added.
E	2025/07	Preface, 1, 3, 4, 5, 6, 7, 10.	<ul style="list-style-type: none"> • Added inductive sensor. • Changed T4C to Horizon. • Removed Qwes IR reader. • Added RFID ear tag identification.



INTENTIONALLY BLANK

5.1530.8532.0 E

Preface

Manual contents

This manual contains the information for the correct operation and maintenance of the Grazeway. The information in this manual is for operators to operate the machine.



Study and understand this information thoroughly before you do maintenance on the machine. Failure to do so could result in damage to equipment or personal injury (see Signal Icons on page 2-1). Please consult your local Lely service provider if you do not understand the information in this manual, or if you need additional information. Store this manual in a safe place for future reference.

All information in this manual has been compiled with care. Lely shall not be liable for errors or faults in this manual. The recommendations are meant to serve as guidelines. All instructions, pictures and specifications in this manual are based on the latest information that was available at the time of publication. Your machine may comprise improvements, features or options that are not covered in this manual.

Applicability

Model designation

The table below shows the type numbers of the selection box for which this manual is applicable.

Model	Type number
Lely Grazeway Selection Box with ISO (ISO FDX) identification.	5.1530.0050.1
Lely Grazeway Selection Box with LD (infrared and radio frequency) identification.	5.1530.0070.1
Lely Grazeway Selection Box with ear tag identification (RFID)	5.1532.0011.0

Software version

The description, operation and procedures in this manual are based on the following software versions:

- Grazeway software version 2.2 or higher.
- Horizon software version 1.6 or higher.

Standard Torque Loading of Parts

All the nuts, bolts and screws used on the return box are torque tightened to standard torque loadings applicable to the construction materials used.

If a part has a non-standard torque loading, it is specified in the applicable part of the manual.

Registration

The type and serial number plate is attached to the top panel of the Grazeway. Always include the type and serial numbers of the selection box when you contact your local Lely service provider or order spare parts.



Figure 1. Type and serial number plate

We suggest that you complete the table below with the type and serial numbers of your machine. This makes sure that you can easily find the information.

Type number	
Serial number	

Table of Contents

1	The Lely Grazeway Selection Box	1-1
1.1	The Grazeway	1-1
1.2	Intended Use	1-1
2	Safety	2-1
2.1	Signal Icons	2-1
2.2	Safety Instructions	2-2
2.2.1	General Safety	2-2
2.2.2	Electrical Safety	2-2
2.2.3	Maintenance Safety	2-2
3	Specifications	3-1
3.1	Specifications and requirements	3-1
3.2	Dimensions and Weight	3-2
4	Description	4-1
4.1	General Description	4-1
4.2	Portal, Frames and Gates	4-2
4.3	Control Unit	4-2
4.3.1	Control box with PCB and cow identification	4-3
4.3.2	Photocells	4-4
4.3.3	Pneumatic valves	4-5
4.3.4	Main valve pressurized air	4-6
4.3.5	Inductive sensor	4-7
4.4	Cow Identification System	4-7
4.4.1	ISO identification reader	4-7
4.4.2	LD identification reader	4-8
4.4.3	Ear tag identification	4-10
4.5	Additional segregation gate (optional)	4-11
4.6	Software	4-12
4.6.1	Grazeway software	4-12
4.6.2	Lely Horizon farm management application	4-12
4.6.3	ID reader software	4-12
4.7	Operation	4-13
5	Operating Instructions	5-1
5.1	General instruction	5-1
6	Maintenance	6-1
6.1	Clean the Grazeway	6-1
6.2	Clean the photocell(s)	6-3

6.3	Preventive maintenance before the winter season	6-5
7	Troubleshooting	7-1
8	Disposal	8-1
9	WEEE	9-1
10	Declaration of Conformity	10-1
10.1	CE declaration of conformity	10-1
10.2	UKCA Declaration of Conformity	10-2

1 The Lely Grazeway Selection Box

1.1 The Grazeway

The Grazeway Selection Box enables the segregation of cows in multiple directions like the pasture and a separation room. The segregation is based on the group the cow belongs to or the status of the cow (for example near to be milked, milked or segregation on attention).

The Grazeway has standard two exits. One or two additional segregation gates can be installed. Each segregation gate increases the number of exits with 1.

Each cow has an identification tag. The Grazeway has a cow identification system and pneumatically controlled gates.

The criteria for the selection is done with Lely Horizon; the farm management application.

1.2 Intended Use

The Grazeway selection box is used to identify cows in the barn and to segregate them into different directions (like the pasture or a separate room), dependent on the group the cow belongs to or the status of the cow.



INTENTIONALLY BLANK

5.1530.8532.0 E

2 Safety

2.1 Signal Icons

Note the use of the signal words DANGER, WARNING and CAUTION with the safety messages. The signal word for each message uses the following guidelines:



Danger

Indicates a hazardous situation which, if not avoided, will result in death or serious injury.



Warning

Indicates a hazardous situation which, if not avoided, could result in death or serious injury.



Caution

Indicates a hazardous situation which, if not avoided, could result in minor or moderate injury.



Notice

Is used to address practices not related to physical injury e.g. property damage.



Tip

Indicates information that may help the reader, but not hazard related.

2.2 Safety Instructions

2.2.1 General Safety

- Read and understand the manual and all safety signs before you maintain the selection box.
- Install all protective covers and guards before you put the selection box into operation.
- Wear the correct protective clothing and equipment.
- Disconnect and isolate the electrical power supply before you clean or do maintenance on the selection box.
- Know the emergency medical center number for your area.
- Contact your local Lely service provider if you have any questions.

2.2.2 Electrical Safety

- Replace any damaged electrical lines, conduits, switches and components immediately.
- Isolate the electrical power supply at the master panel before you open the electrical panel to work on the electrical system.

2.2.3 Maintenance Safety

- Read and understand the applicable manual and all safety signs before you connect power supplies to maintain or adjust the selection box.
- Only trained persons are permitted to maintain the selection box.
- Disconnect and isolate the electrical power supply before you do work on the selection box.
- Do not climb on the selection box.
- Always use a proper stepladder when you do maintenance on the selection box.
- Always block the cow traffic to the return box before you do maintenance on the selection box.
- Make sure all covers and guards are installed when maintenance work is complete.

3 Specifications

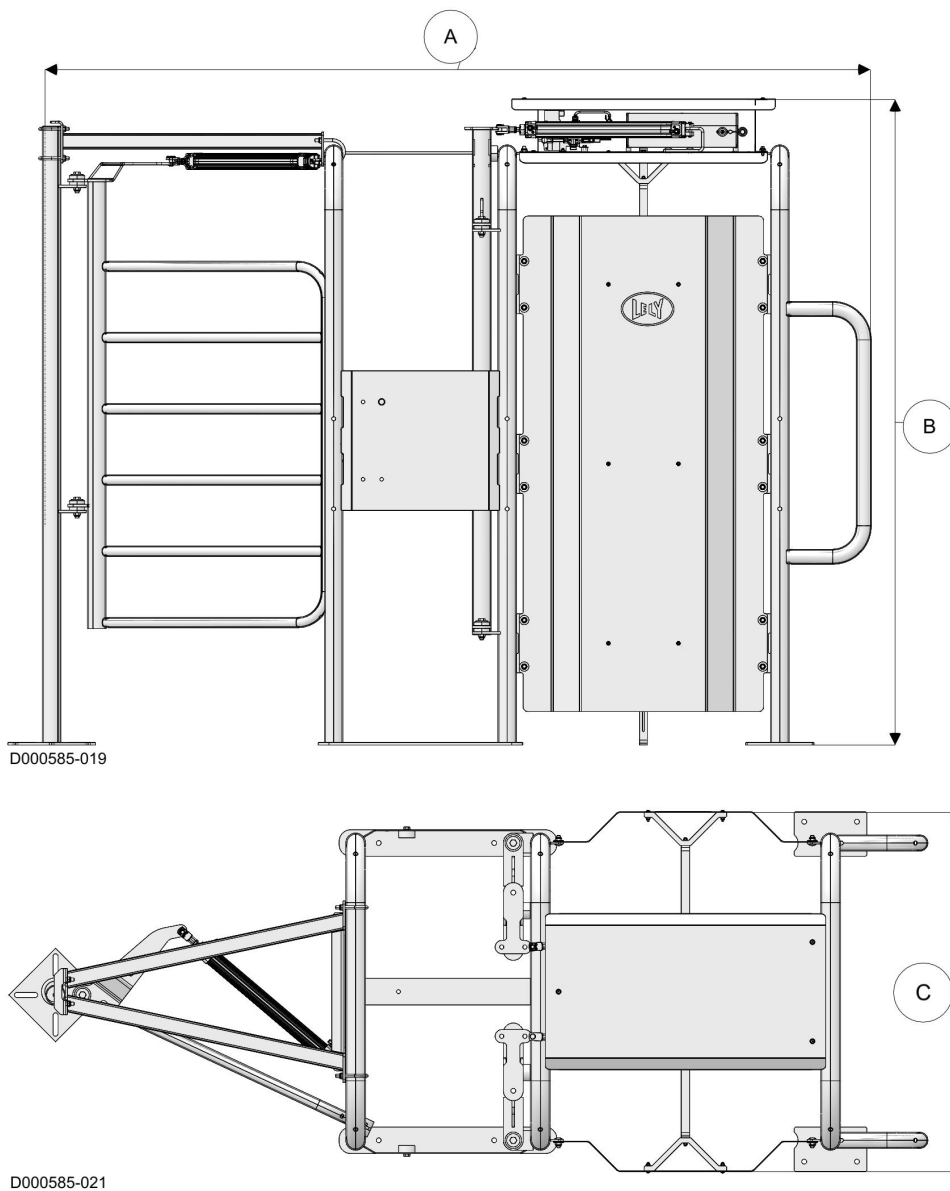
3.1 Specifications and requirements

General operational conditions		
Ambient temperature		-15 to +40 °C (5 to 104 °F)
Humidity		5 - 99% non condensing
Power supply		
Power supply		24 VDC
Current		5 A
Connected to		Power box 24 VDC power supply Note that a Grazeway with ear tag identification is delivered with a 24 VDC power supply.
Pressurized air supply		
Pressure input		6 to 8 bar (87 to 112 PSI)
Connected to		Central unit or air compressor unit
Network connection		
Cable type at least		LAN CAT.5e Ethernet cable, S-FTP 200 MHz (foil-screened twisted pair with overall screening (copper braiding)) with steel RJ-45 connector.
Maximum cable length		100 meters (109 yd) (use a switch if the distance is more than 100 meter (109 yd))
Radio equipment		
ISO Identification	Frequency	134.2 kHz
	Max. radiated power	105.3 dBμA/m (at 1 m (3.3 ft))
RFID ear tag identification	Compatibility	Ear tags that comply with ISO 11784/5 standards
	Frequency between	120 KHz and 140 KHz.
Control box		
IP class		IP55

5.1530.8532.0 E

3.2 Dimensions and Weight

Grazeway Portal



5.1530.8532.0 E

Figure 2. Grazeway portal side view and top view

KEY:

A: 271 cm (106 in)

B: 211 cm (83 in)

C: 109 cm (43 in)

Weight: approx. 266 kg (586 lb)

Additional segregation gates

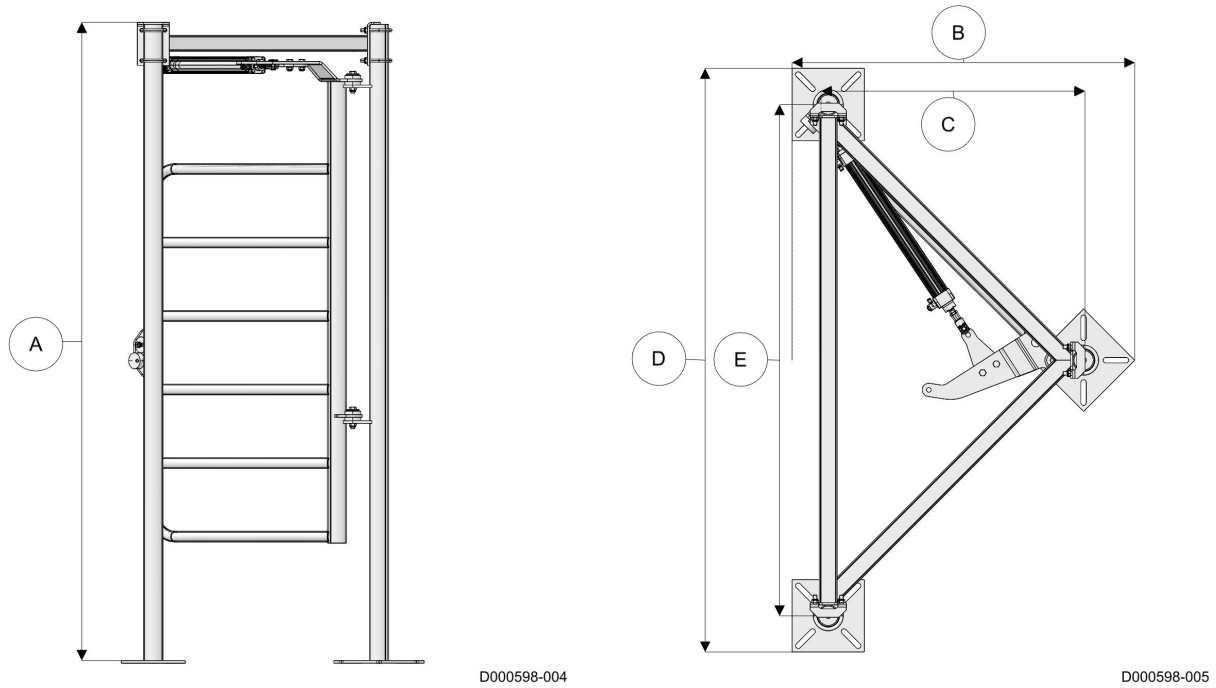


Figure 3. Additional segregation gate side view and top view

KEY:
A: 200 cm (78 in)
B: 95 cm (37 in)
C: 74 cm (29 in)
D: 161 cm (64 in)
E: 141 cm (55.5 in)

Weight: approx. 68 kg (150 lb)



INTENTIONALLY BLANK

5.1530.8532.0 E

4 Description

4.1 General Description

The Grazeway selection box is a portal with a Texas gate and one or more direction gates. All cows must wear unique tags. In the Grazeway the cows tag is identified by the cow identification system. The Grazeway segregates cows in multiple directions based on the group the cow belongs to or state of the cow. This information is supplied to the Grazeway by Lely Horizon; the farm management application.

The Grazeway is installed in the barn or outside the barn.

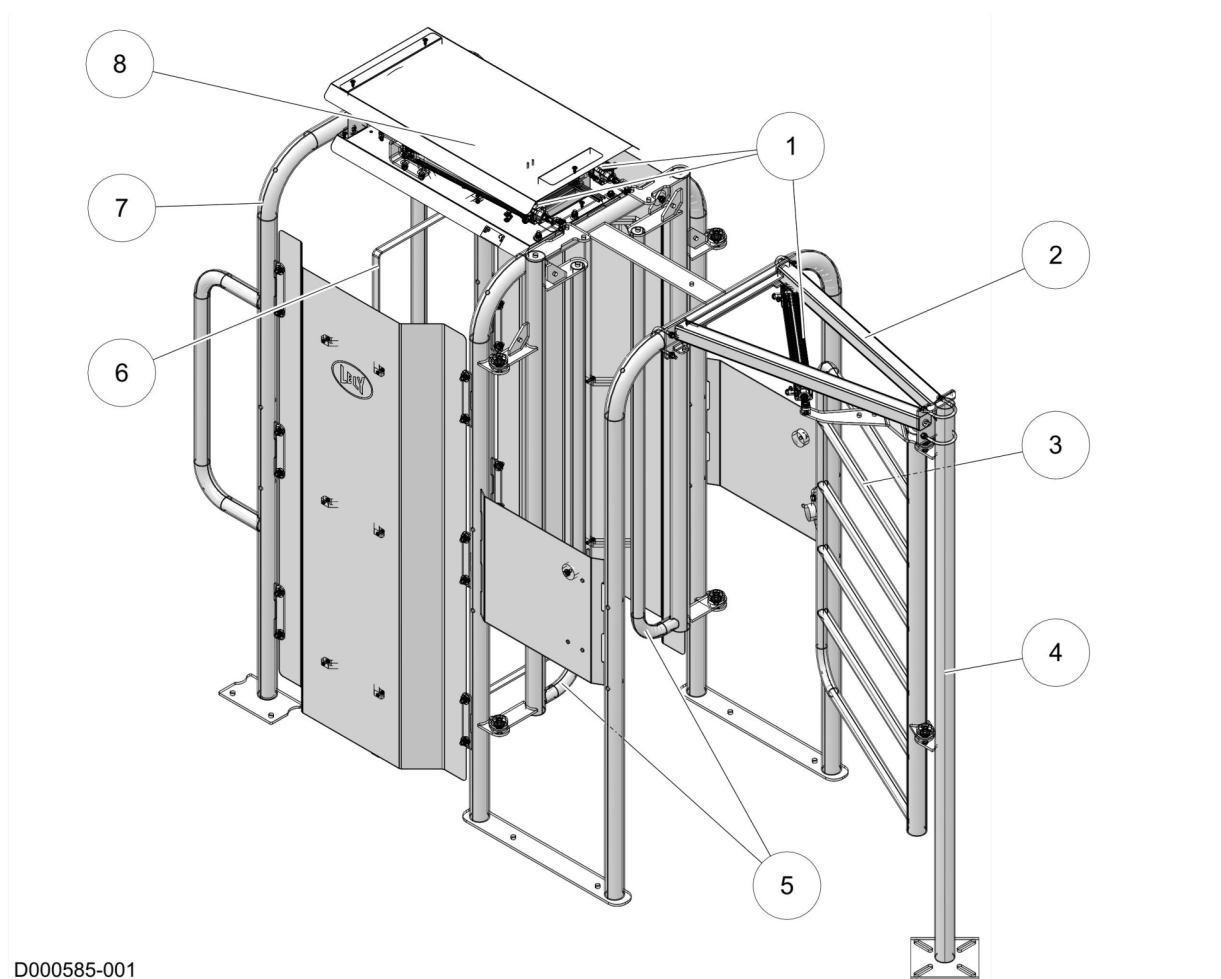


Figure 4. Main components

KEY: 1. Cylinders - 2. Top frame - 3. Segregation gate - 4. Pivoting post - 5. Texas gates - 6. Antenna for ISO identification (Note that the parts and their location vary per identification system) - 7. Portal - 8. Control unit

The Grazeway has the following main parts:

- The portal and gates.
- The control unit.

- The cow identification reader.
- The additional segregation gate (optional).
- Software.

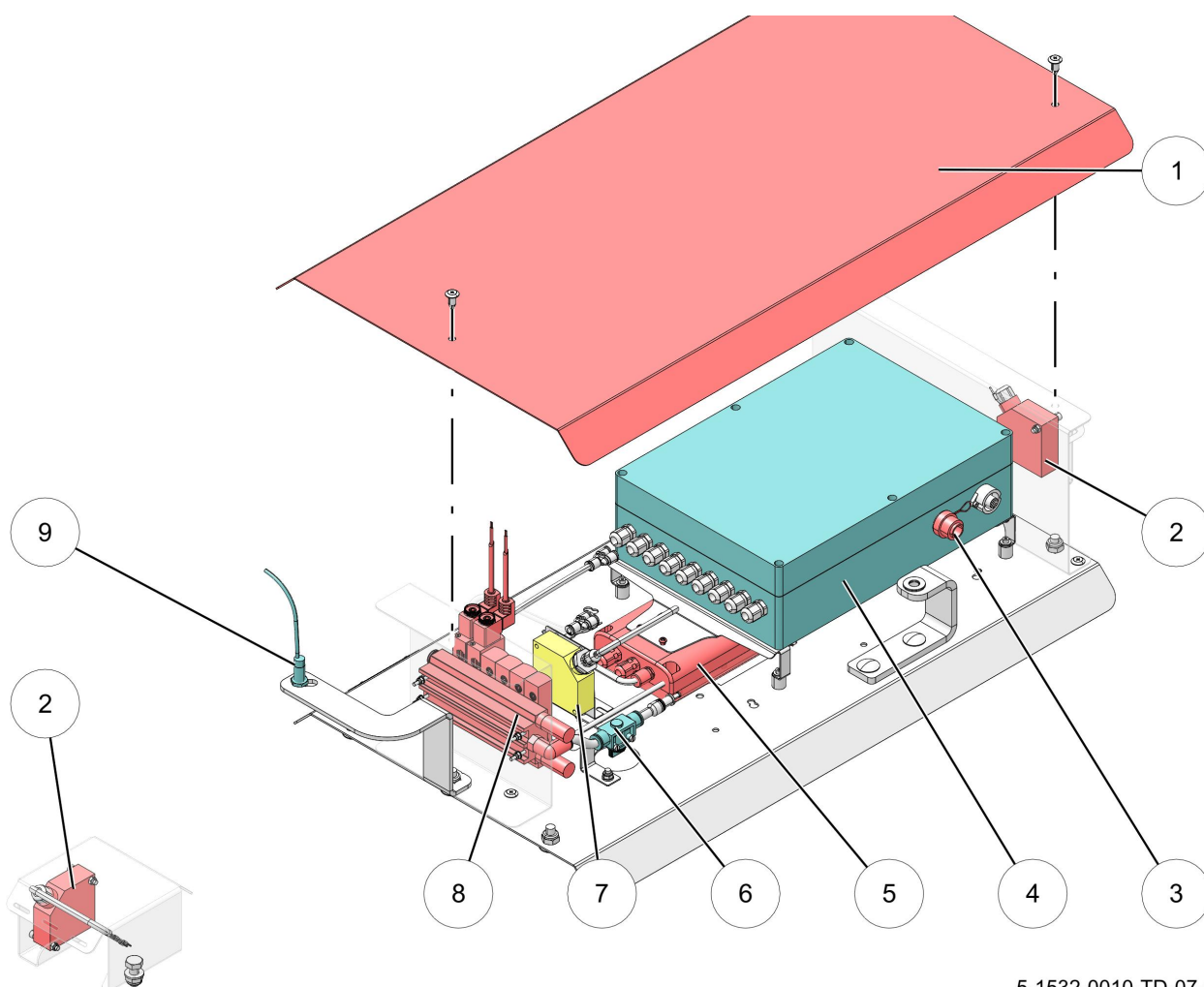
4.2 Portal, Frames and Gates

The portal (7) (see figure 4 on page 4-1) of the Grazeway has several frames and plates and two Texas gates (5). The top frame (2) is installed to the portal and a pivoting post (4). The segregation gate (3) is installed on the pivoting post. All frames and gates are galvanised.

The gates are operated by pneumatic cylinders (1). Each gate has a damper.

4.3 Control Unit

The control unit (8) (see figure 4 on page 4-1) is installed on top of the portal. On the bottom plate several parts are installed.



5-1532-0010-TD-07-011

Figure 5. Control unit example

KEY: 1. Cover - 2. Photocells (only with LD ID) - 3. E-Link connector - 4. Control box - 5. Identification reader (Note that the reader and its location varies per identification system) - 6. Main air supply valve - 7. Photocell - 8. Pneumatic valves block - 9. Inductive sensor (optional)

4.3.1 Control box with PCB and cow identification

The PCB on which the Grazeway software runs is installed in the control box (4) (see figure 5 on page 4-3). The PCB controls the solenoid valves that operate the gates. The PCB is connected to the photocell and registers if there is a cow inside the Grazeway.

The control box contains an ID reader or the PCB is connected to an ID reader. When there is a cow in the Grazeway, the ID reader identifies the cow. The PCB receives the ID of an identified cow. The PCB also receives information from Horizon via the network cable and sends information to Horizon.

For details and a parts overview per identification system, see the Cow Identification System section.

4.3.2 Photocells

The photocell(s) have an emitting element (infrared LED) and receiving element (photodiode). If a cow is in the Grazeway it sends a signal to the PCB.

Grazeway with ISO ID

In a Grazeway with ISO ID there is one photocell:

- Photocell (1) is installed inside the control box. This photocell determines if there is a cow in the Grazeway.
- The reader is always active.

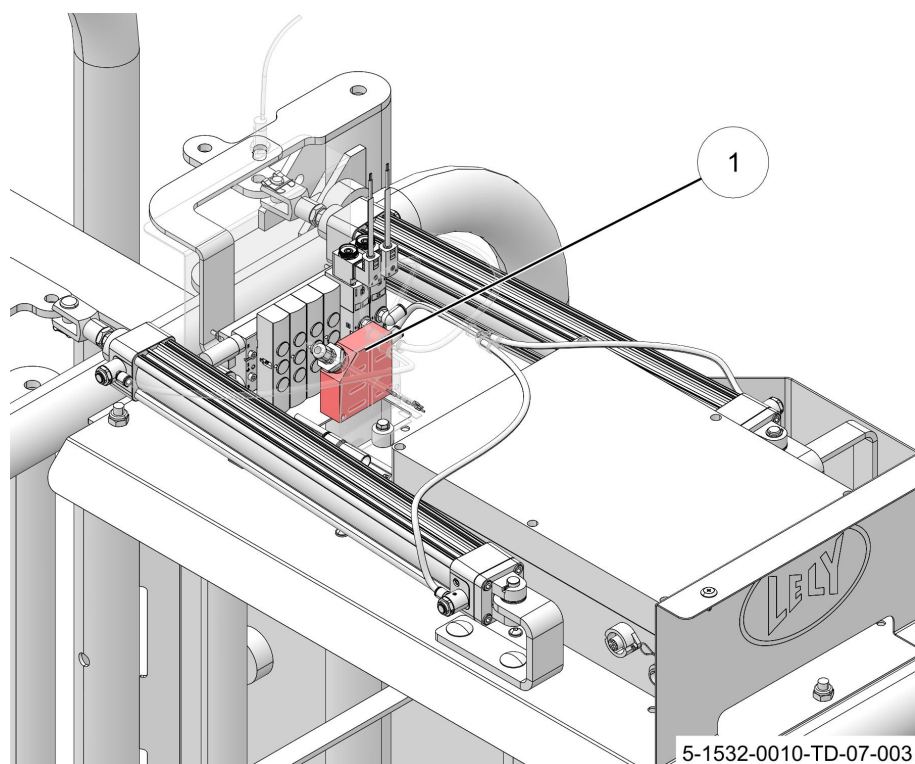
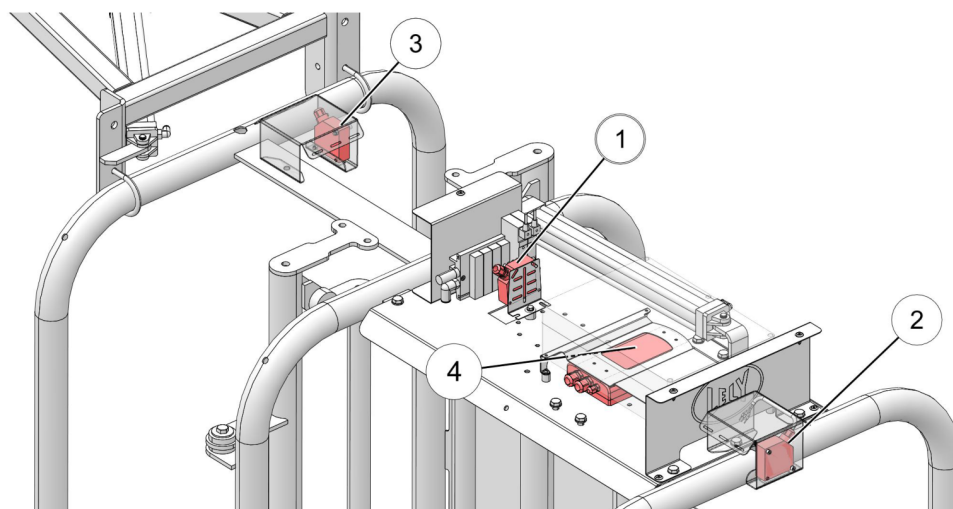


Figure 6. Location photocell Grazeway ISO ID

Grazeway with LD ID

In a Grazeway with LD ID there are three photocells:



D000031-008

Figure 7. Location photocells Grazeway LD reader

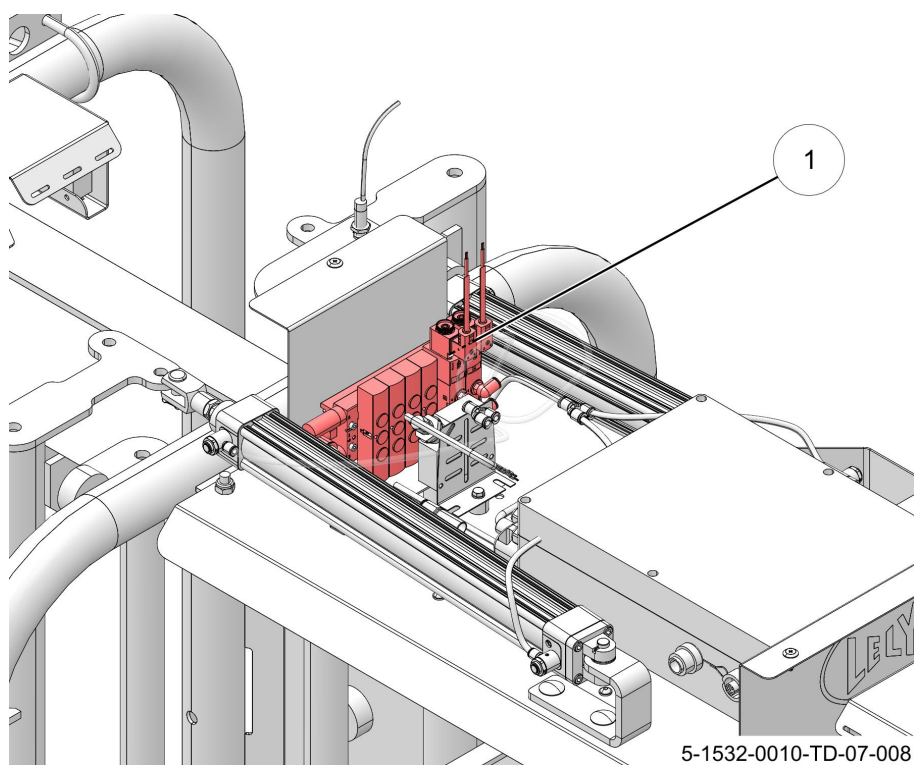
KEY: 1. Photocell 1 - 2. Photocell 2 switches on the LD reader - 3. Photocell 3 detects that the cow has left the Grazeway - 4. Qwes LD reader

- When photocell 2 (2) detects a cow in the Grazeway, the Qwes LD reader (4) is put in operation. The Qwes LD reader reads the tag and sends the cow ID to the PCB. After that the Qwes LD reader goes out of operation.
- Photocell 3 (3) is used to detect cow trains (two or more cows that follow each other closely through the Grazeway box in such a way that the photocells (1, 2, 3) cannot distinguish between each separate cow.
- When all three photocells are activated, the identification is constantly active. This way, the Grazeway is able to detect cow trains and can distinguish when the first cow has passed through the Grazeway and the next cow steps in the box. If this is the case and the identified cow needs to be routed differently, the Texas gate closes quickly and the segregation gates switch.

4.3.3 Pneumatic valves

The pneumatic valves block (1) has solenoid valves and operate the cylinders on the gates. The pneumatic valves are controlled by the PCB.

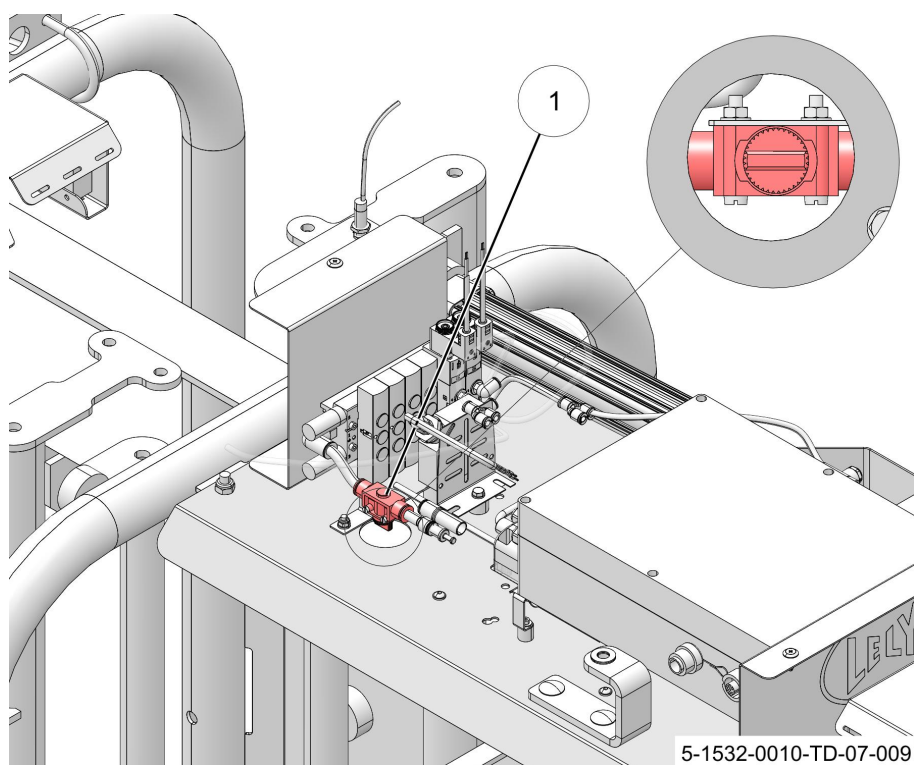
A standard configuration has two solenoid valve and four blanking plates. If an additional segregation gate is installed, an additional solenoid valve is also installed.



5-1532-0010-TD-07-008

4.3.4 Main valve pressurized air

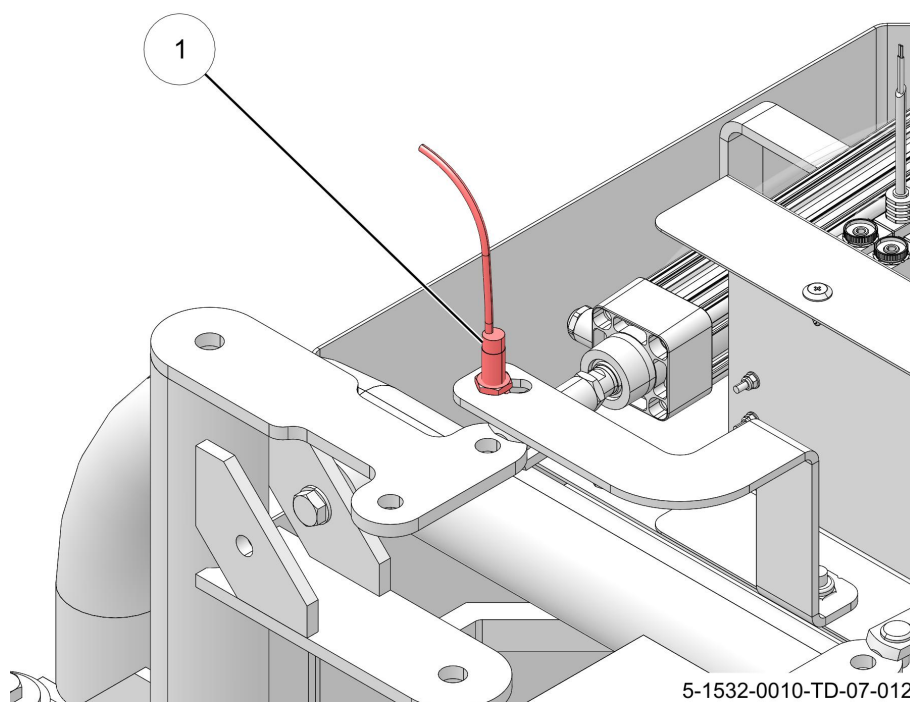
The switch on the main valve to apply pressurized air (1) can be operated from inside the portal through a hole next to the photocell.



5-1532-0010-TD-07-009

4.3.5 Inductive sensor

The (optional) inductive sensor (1) detects whether the Texas gates are actually closed when the Grazeway closes the Texas gates after a cow visit. For more information, see Operation (see page 4-13).



5.1530.8532.0 E

5-1532-0010-TD-07-012

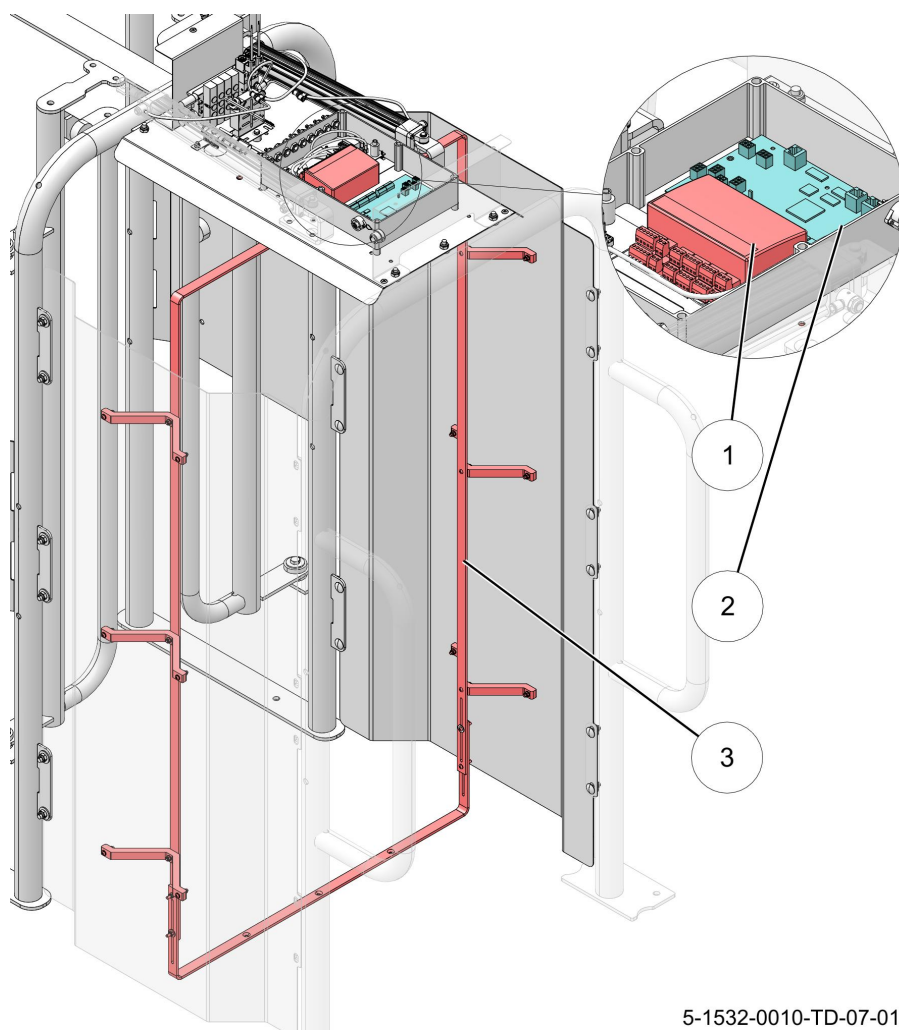
4.4 Cow Identification System

There are several types of tags for cows and ID readers. The tag is installed on a collar on the neck of the cow or is attached to the cow's ear. The ID reader is installed in the Grazeway.

4.4.1 ISO identification reader

The ISO identification reader has a Velos control box (1) and an antenna PCB (2), which both are installed inside the control box of the Grazeway.

The antenna (3) is a ring through which the cow steps before she waits in front of the Texas gates.

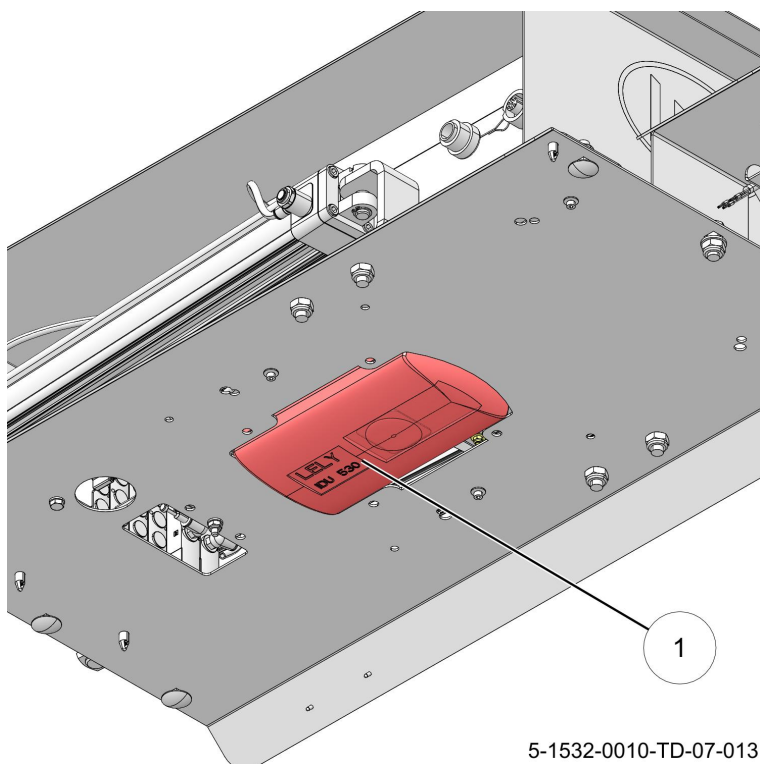


5-1532-0010-TD-07-010

KEY: 1. Velos control box - 2. Antenna PCB - 3. Antenna

4.4.2 LD identification reader

The Qwes LD reader (1) is installed below the control box.







5-1532-0010-TD-07-013

5.1530.8532.0 E

The LD reader has the following components:

- Infrared transmitter.
- Indicator LEDs.
- PCB.

After a cow was detected by photocell 2, the reader is switched on and the infrared transmitter sends a signal. The antenna on the PCB in the reader box receives the data send by the tag on the cows neck. The status LEDs indicate the following:

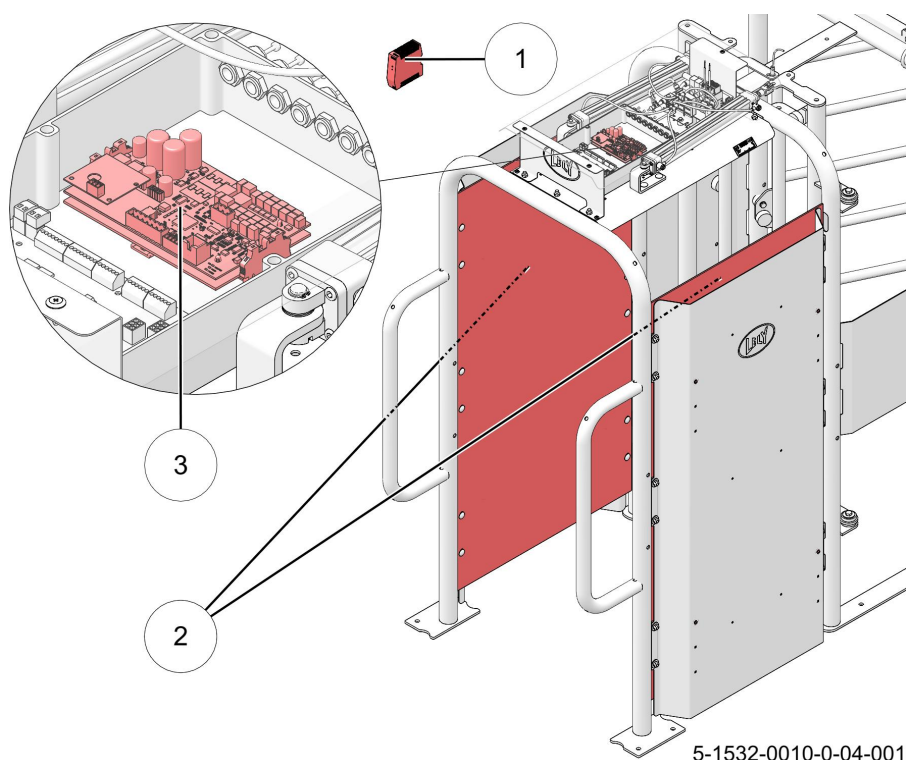
Status LED		Function
Power LED		On when power is on.
Data read LED		Is on for one second when data are read correctly.
Photocell active LED		On when photocell is activated (not used).
Data transfer LED		Flashes during data transfer through CAN-bus.

4.4.3 Ear tag identification

NOTICE

Property damage
Damaged ear tag identification cover.
Cows with horns can damage the ear tag identification cover. Ear tag identification is not recommended for farms with cows with horns.

If configured for ear tag identification, the Grazeway is equipped with a RFID reader and two antennas. The RFID reader generates a low frequency field using the antennas. This allows the reader to detect the ear tag from the cow in front of the Texas gates and to read out the cow ID. Ear tag identification only works with ear tags that comply with ISO 11784/5 standards.



5.1530.8532.0 E

Figure 8. Ear tag identification

KEY: 1. Power supply - 2. Antenna - 3. Reader PCB (inside control box)

The reader PCB has three LED indicators: Power (yellow), Read (green) and Service (red). Their signals are explained in the following table.

Service LED	Read LED	Power LED	Explanation
Off	Off	Solid/flashing yellow	Normal operation.
Off	Flashing green (on for 20 ms).	Solid/flashing yellow	The ear tag was read.
Off	Off	Solid/flashing yellow	The ear tag was not read.

Solid red	Off	Flashing yellow	Input voltage out of range ($10.7 \text{ Vdc} < x < 28.0 \text{ Vdc}$). The ear tag recognition system is disabled to avoid overheating.
Solid red	Flashing green	Solid yellow	Antenna fault.



Interfering radio signals may affect the reading performance of the RFID ear tag reader.
Do not allow RFID systems other than the Lely ear tag identification system, solar panel inverters, big frequency inverters/converters, big power supplies, or other equipment that transmit radio signals with a frequency between 120 KHz and 140 KHz within 15 meters (50 ft) from the ear tag reader.



Interfering radio signals may affect the reading performance of the RFID ear tag reader.
Do not allow LED lightning within 2/3 meters (6-10 ft) from the ear tag reader.



Magnetic fields may affect the reading performance of the RFID ear tag reader.
Do not allow equipment with strong magnetic fields, such as the handheld E-Link, near the ear tag reader.



Lely recommends to use HDX ear tags instead of FDX ear tags for better detection performance with the RFID ear tag reader.

4.5 Additional segregation gate (optional)

An additional segregation gate has several parts to install: an extra segregation gate and a cylinder to operate the gate. Each additional segregation gate gives one extra direction for the cow. A maximum of 2 additional segregation gates can be installed and operated by the Grazeway.

4.6 Software

The Grazeway operates with the following software:

- Grazeway software that runs on the PCB, it has settings that can be adjusted via:
 - E-Link classic (only available for Lely technicians).
 - Web interface (only limited settings).
- Lely Horizon server that is connected to the product network. Settings are adjustable on the Horizon server.
- ID reader firmware. No adjustable settings.

4.6.1 Grazeway software

The Grazeway software controls the opening of the gates.

With the use of an E-Link classic, a Lely technician has full access to the settings to configure the Grazeway in the Grazeway software.

4.6.2 Lely Horizon farm management application

The Lely technician adds the Grazeway to Lely Horizon during installation.

After that the routing criteria and directions can be set. See the online help of Lely Horizon for more information about the following instructions:

- Add a location
- Add a routing area
- Set the assigned directions
- Set the near to be milked interval
- Add a scheduled routing task (manual routing)
- Adjust the manual routing
- Add an automatic routing task
- Adjust the automatic routing criteria

4.6.3 ID reader software

The ID reader software identifies the cow and sends the ID information to the Grazeway control box.

- The ISO ID reader control box is located inside the Grazeway control box. It has a display and buttons that are used for configuration by the Lely technician during installation.
- The Qwes LD reader is located below the Grazeway control box.
- The RFID reader for ear tags is a PCB inside the control box.

4.7 Operation

The Grazeway is connected to the Lely Horizon server. In Horizon the segregation criteria (for example segregation on attention, milk now, near to be milked) are set. Horizon supplies the cow data to the Grazeway. When a cow enters the Grazeway, she is noted by the photocell and the identification system is activated. The ID reader reads the tag on the cow. The cow ID is confirmed and the cow is sent in the direction based on the segregation status of the cow. The cylinders are set to open the segregation gate (s) in the correct direction and to open the Texas gates.

If the tag cannot be read or the cow ID cannot be confirmed, the cow is sent in the default direction after 30 seconds. The default direction is specified in the Grazeway software settings.

The Texas gate guard functionality verifies that the cow is not caught or stuck between the Texas gates. An additional inductive sensor (installed on the Grazeway) detects whether the Texas gates are actually closed when the Grazeway closes the Texas gates after a cow visit. If the gates are not closed after 30 seconds, it is assumed that a cow is stuck. The Grazeway will briefly (up to 3 seconds) open the Texas gates to allow the cow to escape. Then the Texas gates close again, repeating the process until the gates are actually closed (according to the gate guard sensor).

To avoid that cows use this functionality to their advantage:

1. The Texas gates only open to release a caught cow when the Grazeway tries to close the gates after a cow visit; a cow bumping into the Texas gates will not trigger the gates to open.
2. The Grazeway takes a long time (30 seconds) to realise a cow is stuck. This is to prevent slow cows from triggering this functionality.
3. The Grazeway briefly opens the Texas gates to release a stuck cow. This is initial 0.5 seconds, but every additional try increases the time by 0.5 seconds, to a maximum of 3 seconds, to free the stuck cow and minimize the chance of a following cow walking through.



INTENTIONALLY BLANK

5.1530.8532.0 E

5 Operating Instructions

5.1 General instruction

NOTICE

There are no operating instructions for the Grazeway other than adjustments in Lely Horizon. For more information see the online help of Lely Horizon.



INTENTIONALLY BLANK

5.1530.8532.0 E

6 Maintenance

6.1 Clean the Grazeway

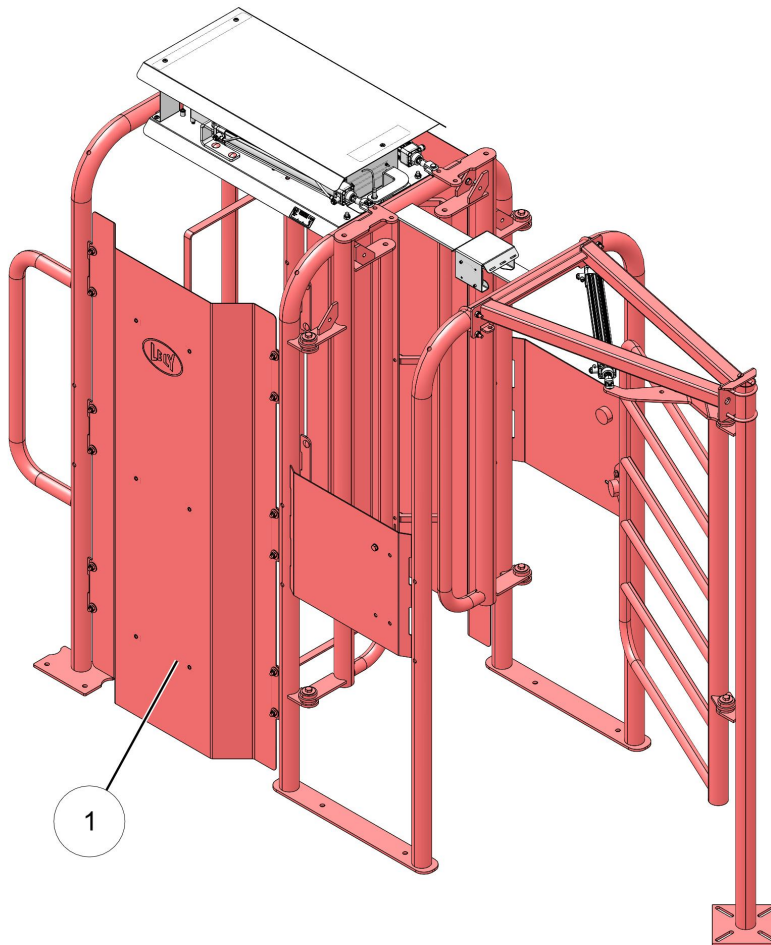


*Unexpected cow movement.
Risk of being crushed or trampled.
Block the cow traffic.*



Property damage
Water can cause damage to the electronics.
Do not spout water on the control unit, control box, photocell(s), and antenna connectors.

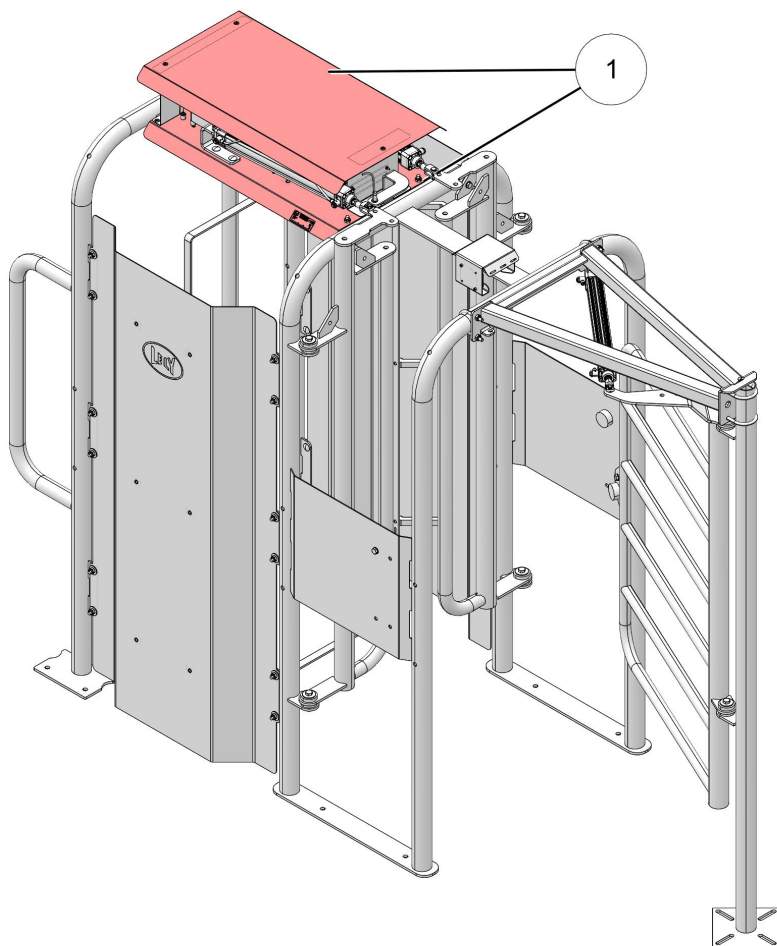
1. Use a high pressure cleaner to clean the portal and gates (1).



5-1532-0010-TD-07-005

5.1530.8532.0 E

2. Use a wet brush or moist cloth to clean the top and bottom cover (1) of the control unit.



5-1532-0010-TD-07-004

5.1530.8532.0 E

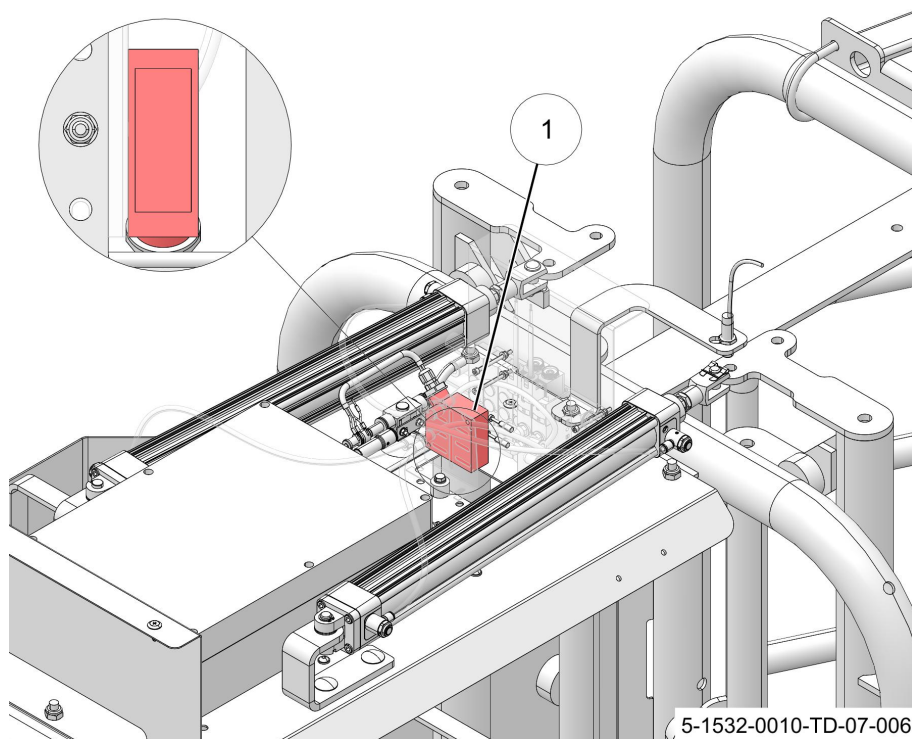
6.2 Clean the photocell(s)



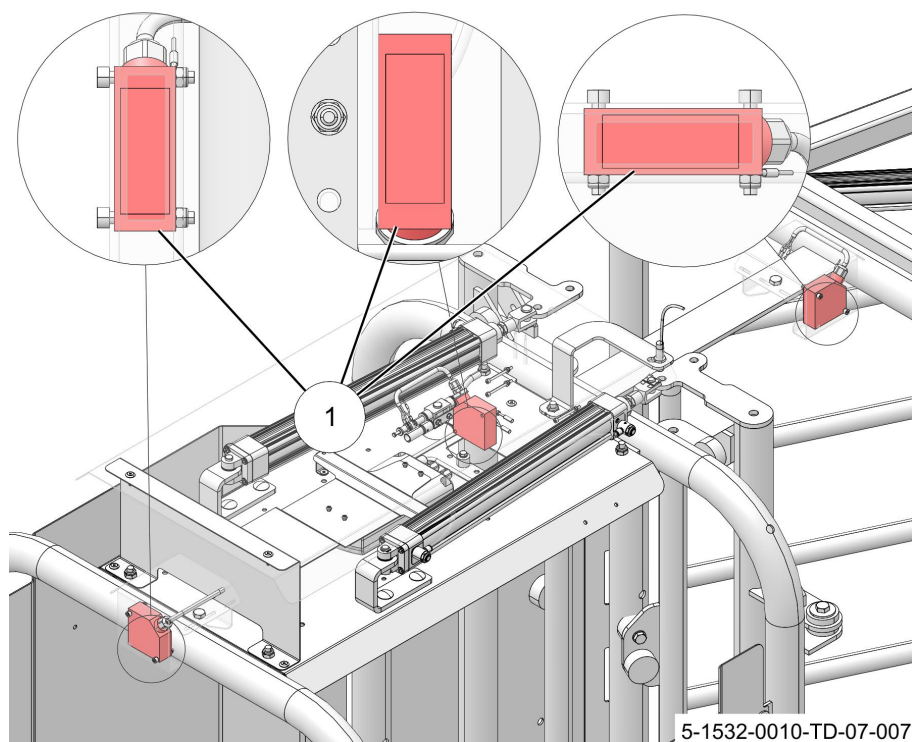
*Unexpected cow movement.
Risk of being crushed or trampled.
Block the cow traffic.*

1. Go inside the portal of the Grazeway.

2. Clean the photocell(s) with a soft moist towel and a small quantity of lens cleaner liquid.
 1. The Grazeway with ISO identification or ear tag identification has one photocell (1) in the portal.



2. The Grazeway with LD identification has 3 photocells (1).



6.3 Preventive maintenance before the winter season



*Unexpected cow movement.
Risk of being crushed or trampled.
Block the cow traffic.*



When the Grazeway is not used during the winter season, it is best to close off the pressurized air supply and to keep up the power supply. The power supply gives the control box some warmth during the cold and wet season.



Only applicable with CRS M3 (software version 9.0 or higher):
Disabling the Grazeway will cause the CRS M3 to sound an alarm.
Restart the CRS M3 to resolve the alarm.

5.1530.8532.0 E

1. Close off the switch (2) on the air supply valve to the Grazeway.

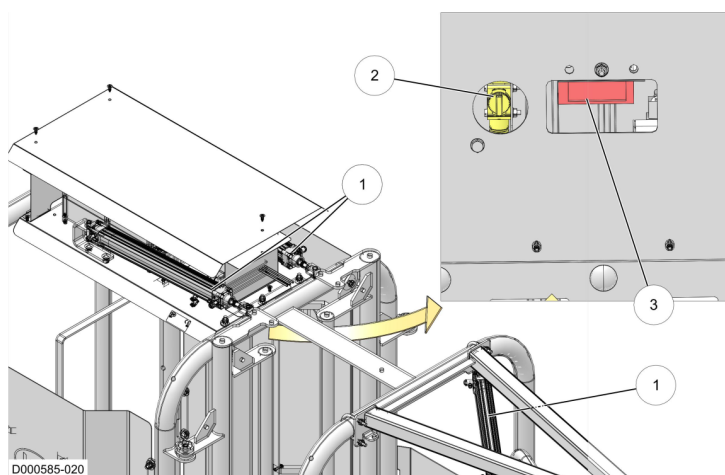


Figure 9. Control unit

KEY: 1. Cylinders - 2. Air supply switch - 3. Photocell - 4. Air valves block

2. Clean the cylinder shafts with a towel.
3. Lubricate all moving parts of the cylinders with haze oil (Purfiroc EP10 or similar).

4. Retract the cylinder shafts.

7 Troubleshooting

5.1530.8532.0 E

Symptom	Possible cause	Solution
The Texas gates open when there is no cow in the Grazeway.	The field of vision of the photocell is blocked.	Clean the photocell.
	The beam of the photocell is reflected by a puddle of water.	Remove the puddle of water.
A gate does not move (easily).	The gate is tied to the frame.	Untie the gate.
	There is no air pressure.	Open the main pressurized air supply to the Grazeway. For more information, see Main valve pressurized air (see page 4-6).
	The settings are not correct.	Adjust the settings in Horizon.
	If the problem persists.	Call your local Lely service provider.
Cows are sent in the wrong direction.	A destination is assigned to the wrong direction.	Adjust the assigned direction for the conditions in Horizon.
	A routing task is not set correctly.	Adjust an automatic routing task or a scheduled task in Horizon.
	The default direction is not set correctly.	Adjust the default direction in Horizon.
Cow ISO tags are not identified	The ring antenna is not connected correctly.	Tighten the bolts of the ring antenna and make sure the ring is not interrupted.
The Texas gates open every X seconds and then close after Y seconds.	The Texas gate guard is enabled and the sensor is not working correctly.	Check if the Texas gate guard sensor is working correctly.
		Use a temporary measure: <ul style="list-style-type: none"> Disable the functionality via the E-link of web page.



INTENTIONALLY BLANK

5.1530.8532.0 E

8 Disposal

Disposing this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Decommissioning and disassembly of the product can be dangerous and must be done only by qualified recycling organizations. All components must be disposed in compliance with the local rules and regulations.

Lubricants and fluids must be disposed correctly to prevent pollution of the environment. Read the safety data sheets of the used lubricants and fluids for correct disposal. All lubricants, chemicals and fluids must be disposed in compliance with the local rules and regulations.



Disposal to sewer of cleaning water with concentrated chemicals may cause damage to health and the environment and must always be prevented.

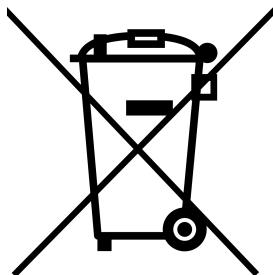
Contact your local authority or local Lely service provider for further details.



INTENTIONALLY BLANK

5.1530.8532.0 E

9 WEEE



This symbol [crossed-out wheel bin WEEE Annex IV] indicates separate collection of electrical waste and electronic equipment in the European countries. We are committed to being a good corporate citizen. As part of that commitment, we strive to maintain an environmentally conscious manufacturing operation.

In accordance with the European Union WEEE (Waste Electrical and Electronic Equipment) Directive 2012/19/EC, we would like to notify you that this product might contain regulated materials, which upon disposal, according to the WEEE directive, require special reuse and recycling processing.

For this reason, Lely Industries N.V. has arranged that this product can be recycled at the local recycling/disposal companies to collect and recycle this product at no cost to you.

Additional local legislation may apply.

NOTICE

Please note, only this product itself falls under the WEEE Directive. When disposing of packaging and other related shipping materials we encourage you to recycle these items through the normal channels.



INTENTIONALLY BLANK

5.1530.8532.0 E

10 Declaration of Conformity

10.1 CE declaration of conformity

Docusign Envelope ID: 1A56C63D-33F8-4B6B-8F54-715C47E8016A



EC Declaration of Conformity

EC DECLARATION OF CONFORMITY
EG-KONFORMITÄTSEKLRÄRUNG
DECLARATION DE CONFORMITÉ AUX NORMES DE LA CE
DICHIARAZIONE CE DI CONFORMITÀ
CERTIFICADO DE CONFORMIDAD CEE
DECLARAÇÃO DE CONFORMIDADE CE
DECLARACIÓN EU MASKINDIREKTIV
VAATIMUSTENMUKAISUUSVAKUUTUS
EU-KONFORMITÄTSEKLRÄRUNG
EG-FÖRSÄKRAN OM ÖVERENSSTÄMMELSE
CB – SAMRÆMISYFIRLÝSING



ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΩΣΗΣ Ε.Ε.
DECLARAȚIE DE CONFORMITATE CE
EU MEGFELELŐSÉGI NYILATKOZAT
ES-PROHLÁŠENÍ O SHODĚ
DEKLARACJA ZGODNOŚCI WE
ES – PREHLÁSENIE O ZHODE
VASTAVUS EU DIREKTIIVIDELE
ES ATITIKTIES DEKLARACIJA
ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ НОРМАМ ЕС
EG - POTVRDA O SUKLADNOSTI
ES IZJAVLA O SKLADNOSTI

Wij fabrikant

We manufacturer
Der Hersteller
Nous, soussignés, le fabricant
fabbricante
fabricante
producent
valmistaja
produzenten
tillverkare
framleiðandi

Lely Industries N.V.
Cornelis van der Lelylaan 1 • 3147 PB Maassluis • The Netherlands
tel. +31 (0)88 - 12 28 221 • fax +31 (0)88 - 12 28 222
www.lely.com

Εμείς, ο κατασκευαστής
fabricant
gyártó
výrobce
producent
výrobca
toojä
gamintojas
производитель
proizvođač
naziv proizvajalca

verklaren geheel onder eigen verantwoordelijkheid dat de machine:
herewith declare, on our own responsibility, that the machinery:
erklärt hiermit eigenverantwortlich, dass die Maschine:
déclarons que les machines désignées ci-après :

productbeschrijving

description of product
Produktbezeichnung
description du produit
descrizione del prodotto
nombre del producto
designação de produto
produktnavn
tuotenimi
produktnavn
produktnamn
vörulysing

Lely Grazeway

περιγραφή του προϊόντος
descrierea produsului
termék megnevezése
označení produktu
opis produktu
označenie výrobku
toote kirjeldus
gaminio aprašymas
наименование изделия
naziv proizvoda

typenummer

model number
Typnummer
numéro de modèle
numero di modello
modelo
número do modelo
modelnummer
mallinnumero
modellnummer
gerådnummer

5.1530.0050.1
5.1530.0070.1
5.1532.0011.0

αριθμός μοντέλου
numărul modelului
típus száma
numer modelu
typové číslo
tüübi number
modelo numeris
номер модели
broj modela
števinka artikla

waarop deze verklaring betrekking heeft, in overeenstemming is met de bepalingen van de volgende Richtlijn(en):

which this declaration refers to, is in accordance with the conditions of the following Directive(s):
worauf sich diese Erklärung bezieht, hergestellt ist gemäß den Bestimmungen der Richtlinie(n):
auxquelles la présente déclaration se rapporte, sont conformes aux dispositions de la ou des directives suivantes :

è conforme alle direttive
de acuerdo con las directivas
de acordo com a directiva
oplytler følgende direktiver
täyttää seuraavien direktiivien vaatimukset
oplytler følgende direktiver
upptyller följande direktiv
upptyllir eftirlitrandi tiskipaniir

Machine directive 2006/42/EC
Electromagnetic compatibility 2014/30/EC

conform cu directivele
rendelkezőseknek megfelelően
podle směrnice
zgodny z dyrektywą
v zhode so smernicami
direktiivide järgi
pagal direktivas
соответствует требованиям директив
po smjernicama
v skladu z direktivo

en in overeenstemming is met de volgende normen of andere normatieve documenten :

and is in conformity with the following standard(s) or other such specifications :
und den folgenden Normen oder vergleichbaren Spezifikationen entspricht:
et aux normes et autres spécifications suivantes :

è conforme alle norme
de acuerdo con las normas
de acordo com as normas
oplytler følgende standarder
täyttää seuraavien standardien vaatimukset
opptyller følgende standard
upptyller följande standarder
upptyllir eftirlitrandi staðla
πληροί τις προδιαγραφές

EN-ISO 12100:2010, EN 62368-1:2014,
EN 61000-6-2:2016, EN 61000-6-4 :2018

în conformitate cu standardele
megfelel a szabványoknak
odpovídá normám
zgodny z normą
zodpovedá normám
normidele vastavus
atitinka standartus
соответствует стандартам нормам
u skladu sa standardima
v skladu s standardi

handtekening en datum

signature and date
Unterschrift und Datum
signature et date
firma e data
firma y fecha
assinatura e data
underskrift og dato
allekirjoitus ja päiväys
signatur og dato
underskrift och datum
undirskrift og dagsetning

Signed by:

66A1D824059A46B...
Mark Brummel
Managing Director Milking
Lely Industries N.V.

Signed by:

22641B42562B472...
Arjen Mateboer
Competence Director PD
Lely Industries N.V.

υπογραφή και ημερομηνία
semnătura și data
aláírás és dátum
podpis a datum
podpis i data
allkirjoitus ja päiväys
parašas ir data
подпись и дата
pöpis i datum
podpis in datum

11-6-2025

10.2 UKCA Declaration of Conformity

Docusign Envelope ID: 1A56C63D-33F8-4B6B-8F54-715C47E8016A

UKCA Declaration of Conformity



We manufacturer

Lely Industries N.V.

Cornelis van der Lelylaan 1 • 3147 PB Maassluis • The Netherlands
tel. +31 (0)88 - 12 28 221 • fax +31 (0)88 - 12 28 222 • www.lely.com

Authorised representative in the UK:

Lely Atlantic Limited • Unit 7 Quartz Point Stonebridgeroad • Coleshill • Birmingham • B46 3JL • United Kingdom

herewith declare, on our own responsibility, that the machinery:

Description of product

Lely Grazeway

Model number

5.1530.0050.1
5.1530.0070.1
5.1532.0011.0

which this declaration refers to, is in accordance with the conditions of the following Directive(s):

Supply of Machinery (Safety) Regulations 2008 (UK)
Electromagnetic Compatibility Regulations 2016 (UK)

and is in conformity with the following standard(s) or other such specifications :

EN-ISO 12100:2010, EN 62368-1:2014,
EN 61000-6-2:2016, EN 61000-6-4 :2018

Signature and date

Signed by:



66A1D824059A46B...

Mark Brummel
Managing Director Milking
Lely Industries N.V.

Signed by:



22641B42562B472...

Arjen Mateboer
Competence Director PD
Lely Industries N.V.

11-6-2025

5.1530.8532.0 E

Lely Industries N.V.

Cornelis van der Lelylaan 1

NL-3147 PB Maassluis

Tel +31 (0)88 - 12 28 221

Fax +31 (0)88 - 12 28 222

