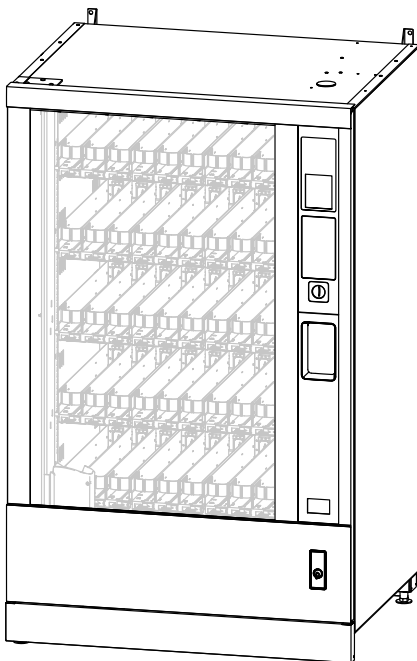
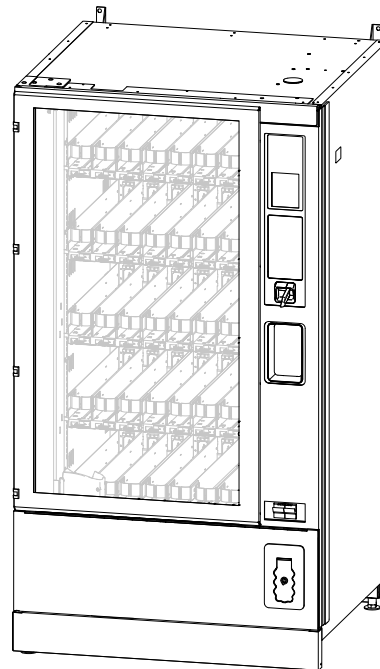
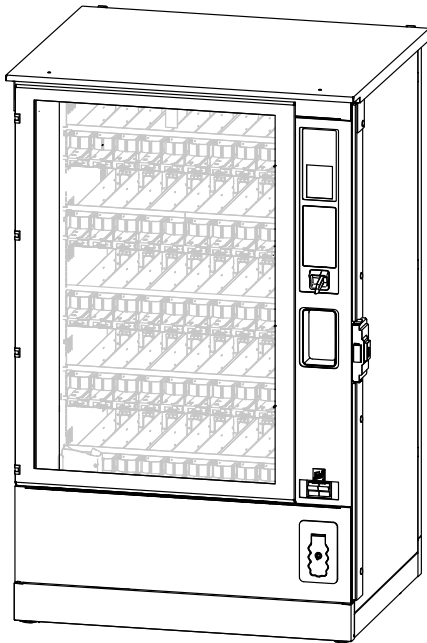




Original Operating Instructions

GF SiLine L / GF SiLine M

Type 04



en

21.04.2026

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1. General

Changes

The text, images and data in this manual reflect the technical status of the machine at the time of printing. We reserve the right to make changes in the interest of ongoing development.

Document completeness

This document has a total of 72 pages. If all the pages are present in consecutive order, your document is complete.

Availability of the operating instructions

In order to ensure safe use of the machine, the operating instructions must always be accessible to the operator. These should be readily available for referral at all times.

These operating instructions can also be accessed via the Internet from our secure download centre: (<http://www.sielaff.com/download-center/>).

Third-party documentation

Different payment systems such as coin mechanisms, banknote readers or cashless payment systems can be installed in this vending machine.

Please note that special accessories may be required and special settings in the machine software may have to be changed in order to ensure error-free use of connected payment systems. Please refer to the additional third-party documentation of the respective manufacturer.

Manufacturer

Sielaff GmbH & Co. KG
Automatenbau Herrieden
Münchener Straße 20
91567 Herrieden
Germany

Hotline

The address that should be used for enquiries and orders is:

Tel.	+49 9825 - 18 0	Head office
	+49 9825 - 18 31 5102	Service hotline
	service@sielaff.de	
Fax	+49 9825 - 18 31 5499	Service
	+49 9825 - 18 31 5299	Spare parts orders
export@sielaff.de; www.sielaff.com		

Versions

Please note that these operating instructions cover different machine versions. For this reason, some information may not apply to your machine.

These instructions apply to the following versions:

Designation	Part no.....	Note
GF SiLine L RB04	705 00 000 14	RAL trim panel
GF SiLine L RP04	705 00 000 34	RAL trim panel, Public
GF SiLine L RO04	705 00 000 44	RAL Outdoor
GF SiLine M RB04.....	707 00 000 14	RAL trim panel
GF SiLine M RP04	707 00 000 34	RAL trim panel, Public

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Performance features

Chilled drinks in PET and glass bottles, as well as cans, can be sold from the vending machine.

The products do not fall into the dispenser, they are transported into the dispenser by a lift system. This also allows sensitive products to be sold.

The products must meet certain requirements; please therefore refer to the relevant chapter.

The product is operated using a cutting-edge upright 7-inch touchscreen installed to one side. The software provides sales and error statistics according to EVA DTS 6.1 standard.

The machine is prepared for operation with a coin mechanism as standard. Optionally, various payment systems can be installed.

2. Safety information

General information

- The operating instructions must be read and understood before the unit is put into operation.
- They must be kept at the place of use in an easily accessible place where they can be consulted at any time.
- During transport, installation, operation, maintenance and repair of the vending machine, the following regulations and directives - in their latest version - must be observed in particular: Regulations of the responsible power supply company, UVV - accident prevention regulations, guidelines of the employers' liability insurance association, trade regulations, EC directives, VDE regulations, observance of the usual hygiene regulations, country-specific regulations; Industrial Safety Ordinance - Workplace Ordinance

Transport, installation

- Due to its high centre of gravity, there is a risk of the machine tipping over. Therefore, always proceed with caution. Do not lower the machine in a jerky manner.
- The vending machine must not be transported when full.
- The vending machine must be set up on a stable, level base. It must be fixed to the wall or floor.
- Only install the machine in locations corresponding to its protection class. The machine's protection class is shown on the identification plate.
 - IP20 The machine is suitable for installation in dry areas and within the limits specified for permitted environmental conditions (see Technical data).
 - IP24 The vending machine is suitable for installation outdoors and within the limits specified for permitted ambient conditions (see Technical data).
- Machine installation and repairs are only to be carried out by trained service engineers.
- The ventilation distance between the rear panel of the vending machine and the installation site must be maintained (min. 5 cm)
- Do not place the vending machine with R-290 cooling directly next to a depression in the ground (basement drain, pit, trough, etc.).

Operation

- The machine can be used by children aged 8 and above and by people with limited physical, sensory or mental abilities or a lack of experience and/or knowledge, provided that they are supervised by another person responsible for their safety or have been instructed in how to use the machine safely and are able to comprehend the resulting dangers. Cleaning and maintenance work must not be carried out by children without supervision.
- Children should be supervised to ensure that they do not play with the machine. The vending machine is not suitable for use by children under 3 years old.
- The mains plug must be easily accessible. Appliance plugs must never be touched with wet hands or inserted into sockets when damp.
- In addition to the cleaning work, maintenance work must be carried out on the vending machine.

Cleaning

- The machine dispenses food products. To avoid any health hazards for the consumer, the vending machine must be cleaned at regular intervals.
- Only use food-safe, approved agents for cleaning
- Do not clean the machine with a water hose or a high-pressure cleaner.

Repairs

- The mains plug must be disconnected before carrying out any work on electrical parts.
- The use of the service key is reserved exclusively for trained personnel. When the service key is inserted, a protective device is bypassed.
- Mains voltage is still present at the main switch when the main switch is switched off. Always disconnect the mains plug when working in this area.
- When the product basket is guided to the product output position (right), the telescopic drawer must not be pulled out because of the risk of damage.
- Use original spare parts only.
- Only products approved by SIELAFF may be used.
- Any modification or conversion of the machine is prohibited. SIELAFF disclaims any liability for any defect claims resulting from the aforementioned not being adhered to!

Maintenance safety checks

- The operator must carry out annual safety checks in order to operate the vending machine safely.

Intended use

- The vending machine may only be used for dispensing packaged, dimensionally stable products with the characteristics of max. diameter 72 mm, max. height 270 mm and max. weight 910 grams. The products must not be highly flammable or explosive. Any other form of use is considered improper.

Cooling with refrigerant R-290 (propane)

- After plugging in the mains plug or switching on the residual current circuit breaker, the safety shut-off device needs approx. 2 minutes to start. During this time, the vending machine has no further function.
If the vending machine still does not start, the shut-off device may have switched off the vending machine due to faulty cooling. In this case any open flames and incandescent materials must be removed to a 5m range from the machine.
- The gas sensor installed in the cooling area must not be tampered with because it may endanger persons and the environment.
- After applying the shut-off device, the vending machine may only be put into operation by trained personnel.
- Do not damage the refrigerant circuit.

Identifying the cooling with refrigerant R-290

- Units with refrigeration systems in which the refrigerant R-290 (propane gas, C₃H₈) is used are equipped with a gas sensor system in conjunction with a shut-off device for safety reasons. In the event of refrigerant leakage from the cooling system, an explosive mixture could occur inside the unit under unfavourable circumstances. The shut-off device ensures that the unit is disconnected from the mains supply in good time in this case and that as a result there are no longer any ignition sources inside.
- The data plate of the vending machine contains information about the built-in cooling.
- The data plate is located inside most vending machines, in the upper right-hand corner. The warning symbol shown below is also attached (warning flammable substances, DIN 4844-21).

Identification

 Sielaff GmbH & Co. KG Automatenbau D-91567 HERRIEDEN www.sielaff.de Bezeichnung / Designation / Designation: Kaltgetränkeautomat/Bottle and can vending machine/Distributeurs réfrigérés de boissons en boîtes et bouteilles Typenbezeichnung / designation of type / designation du type: GF SiLine 850 W 230 V~ 50 Hz CE IP 20 N Made in Germany 707 00 900 00 / 3	 If cooling with R-290 is installed: Symbol for "Warning: flammable substances"
---	---

2.1 Explanation of signs and symbols

The vending machine has been manufactured in line with current technological standards. Nevertheless, even the most expertly designed machine cannot be without risks.

In order to ensure sufficient safety for the operator, additional safety instructions are provided. Attention is drawn to these using the conventions described below.

Observing this information is the only way to ensure adequate operational safety.

Texts labelled with the following symbols have different meanings:



DANGER

Indicates immediate danger that could result in death or severe injury.



WARNING

Indicates a possibly dangerous situation that could result in death or severe injury.



CAUTION

Indicates a dangerous situation that could result in minor injury or damage to the machine.



NOTE

Note that should be observed to avoid damaging the vending machine.



TIP

Information to facilitate handling and use of the machine

In addition, the following symbols are used in some places:



WARNING: electrical energy! Danger to life!

This symbol warns that electrically live components are installed in this area. Covers marked with this symbol may only be removed by a qualified electrician.



Observe handling regulations when dealing with electrostatically sensitive components and modules (ESD)

Covers marked with this symbol have electrostatically sensitive devices located behind them.

Contact with plug-in connections, conductor tracks and component pins must be avoided at all costs. Only specialist personnel with ESD knowledge are authorised to carry out work!



DANGER! Flammable substances!

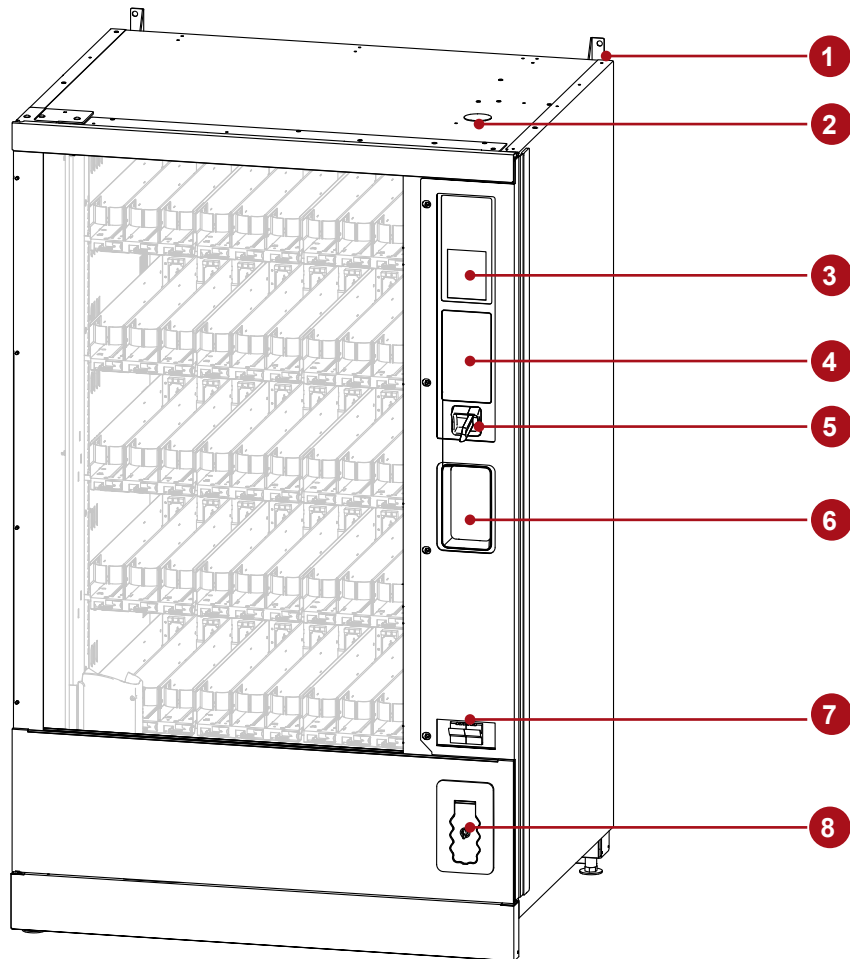
This symbol warns of flammable substances. There is a risk of serious injuries or death. Ignition sources, such as burning cigarettes or lighters, must be kept away when opening the vending machine door.



This symbol means that the marked product must not be disposed of together with household waste at the end of its life. Instead, it must be separated and taken to a collection point for the relevant type of waste. Please be aware that the details of the disposal procedure may differ in your country due to the regulations in force there.

3. Machine illustrations

External view



❶ Wall mounting and spacers

❷ Antenna (optional)

❸ EVA cutout

❹ Touchscreen

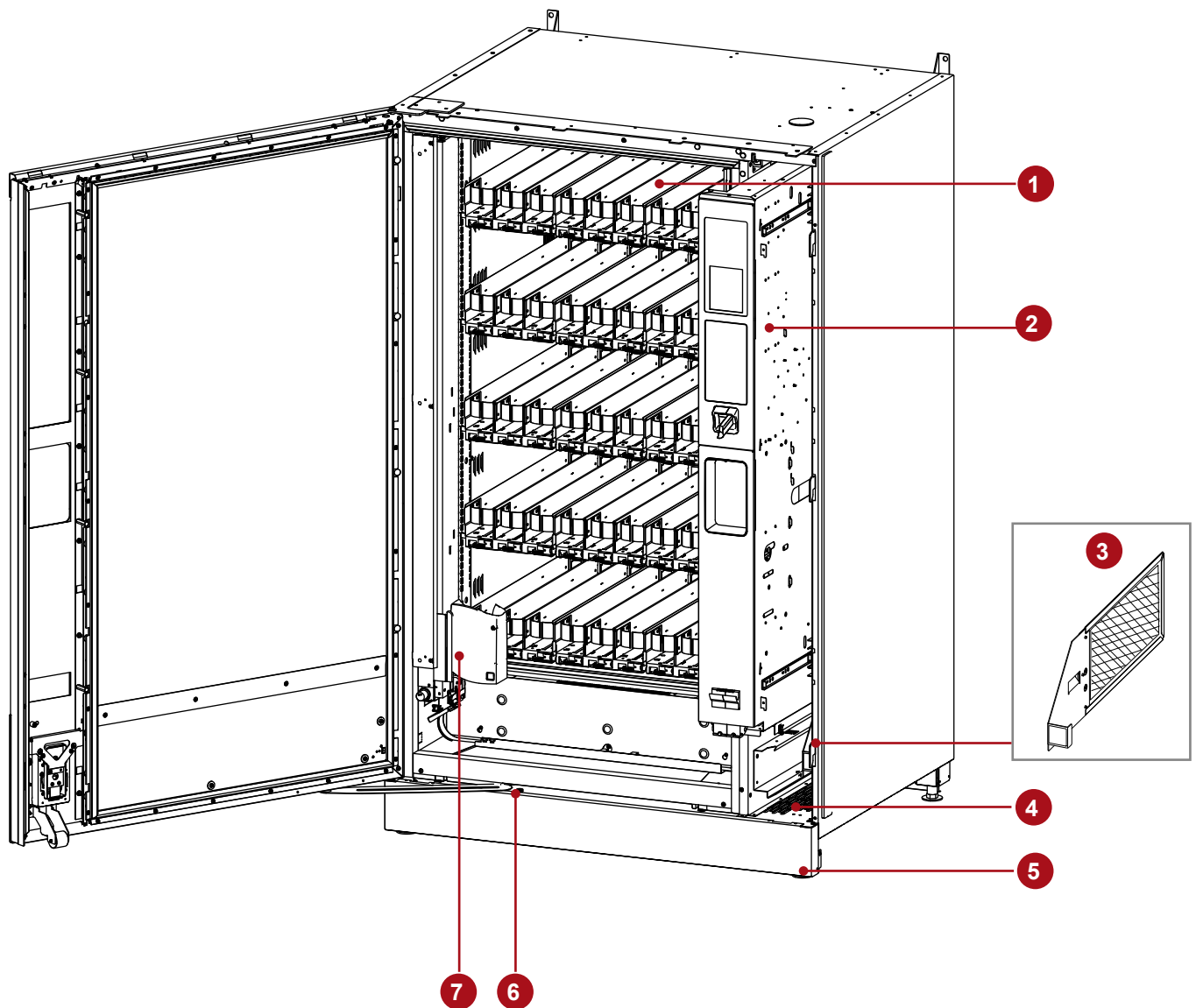
❺ Coin slot

❻ Dispenser

❼ Coin return

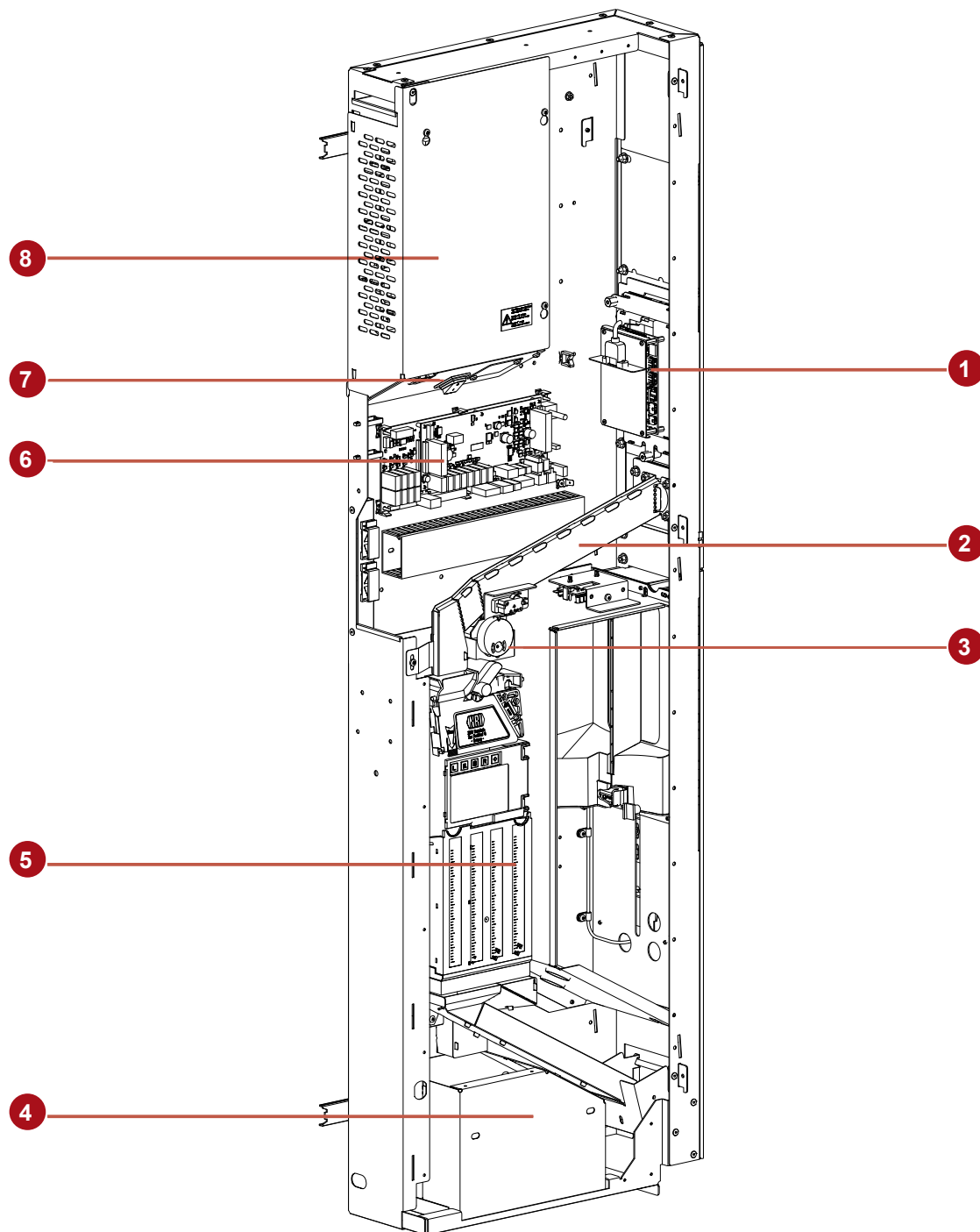
❽ Locking flap with door lock

Interior view

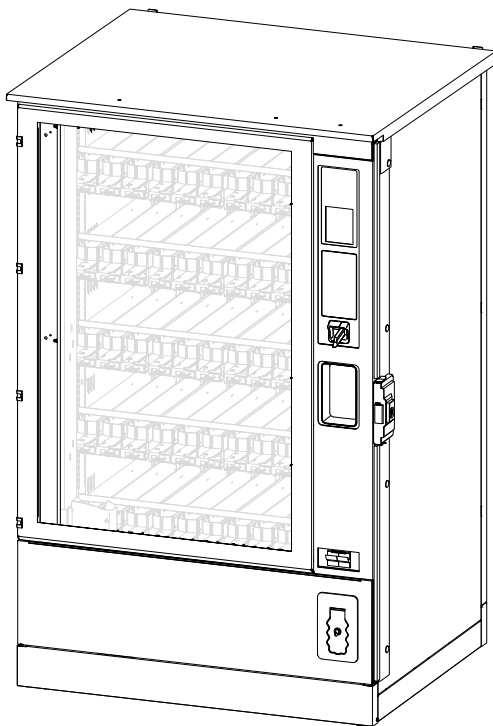
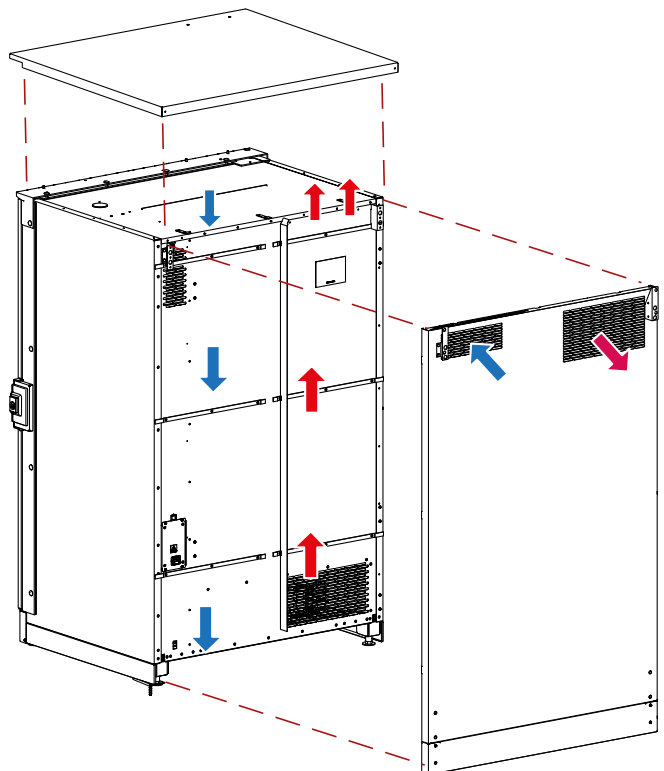
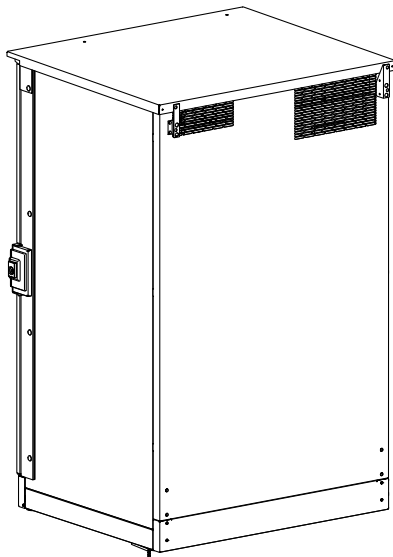


- | | | | |
|---|------------------------------|---|----------------------------|
| 1 | Drawer | 6 | Door stop |
| 2 | Telescopic sliding door unit | 7 | Product basket on lift arm |
| 3 | Dust filter, removable | | |
| 4 | Cooling air inlet | | |
| 5 | Plinth | | |

Telescopic sliding door unit

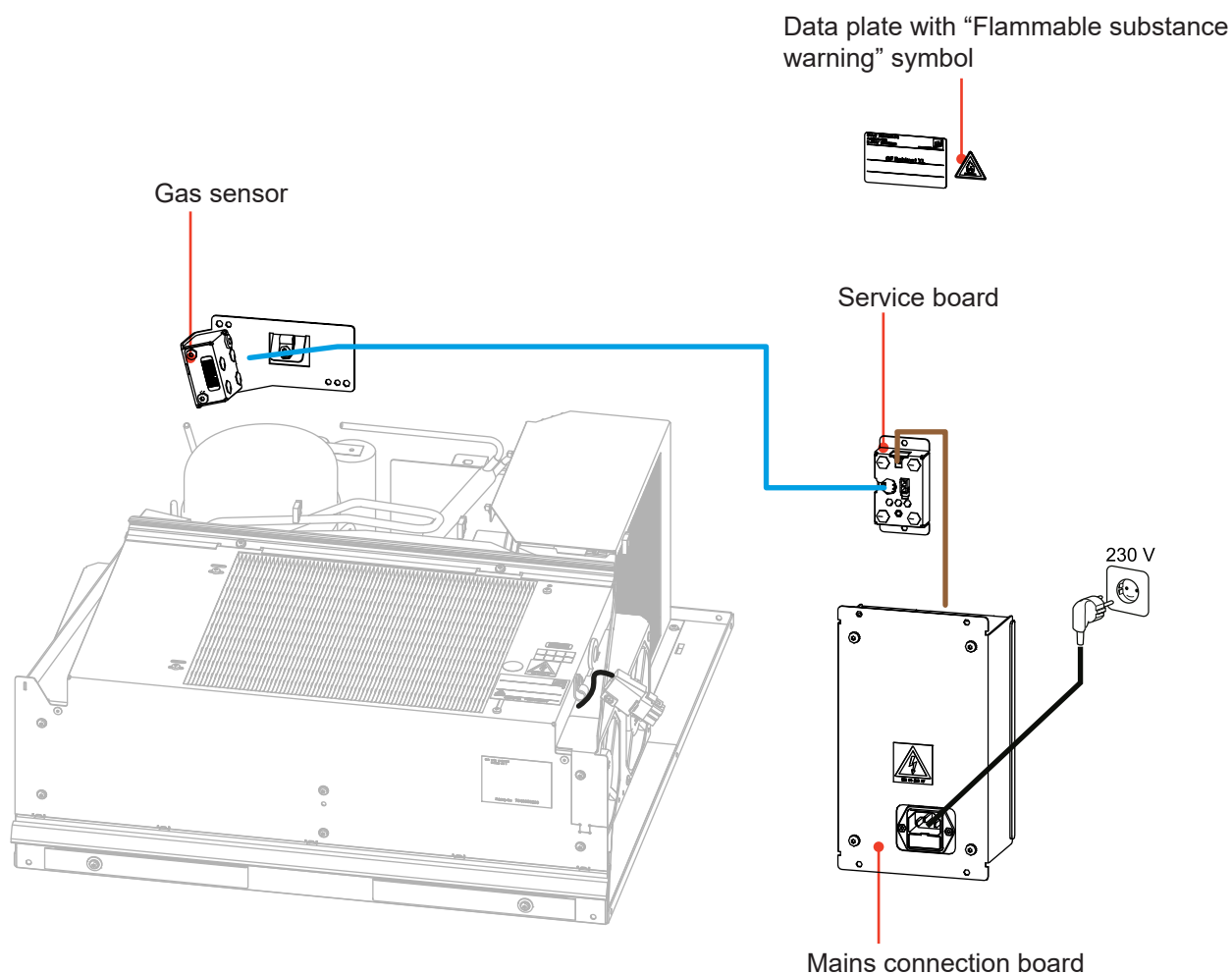


- | | |
|--|----------------------------|
| 1 PC touchscreen, USB interface | 5 Coin mechanism, optional |
| 2 Coin channel | 6 Machine control |
| 3 Motorised coin return eccentric disc | 7 On/Off switch |
| 4 Cash box, removable | 8 Power supply |

Outdoor version with promotional rear panel and anti-theft protection**Promotional rear panel (optional)**

Vending machines with R-290 cooling

Units with refrigeration systems in which the refrigerant R-290 (propane gas, C₃H₈) is used are equipped with a gas sensor system in conjunction with a shut-off device for safety reasons.



Red lights up 1 sec.

Self-test in progress

Red lights up permanently

Self test failed

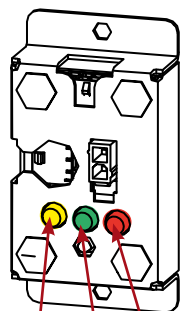
Green lights up permanently

Self-test successful

Yellow lights up permanently

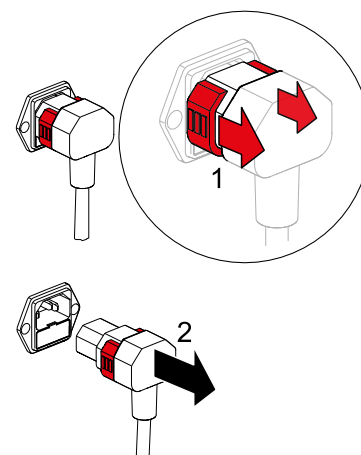
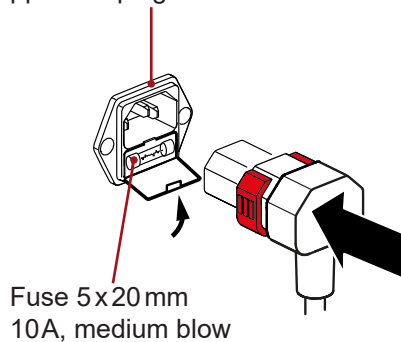
The mains voltage for the vending machine has been released.

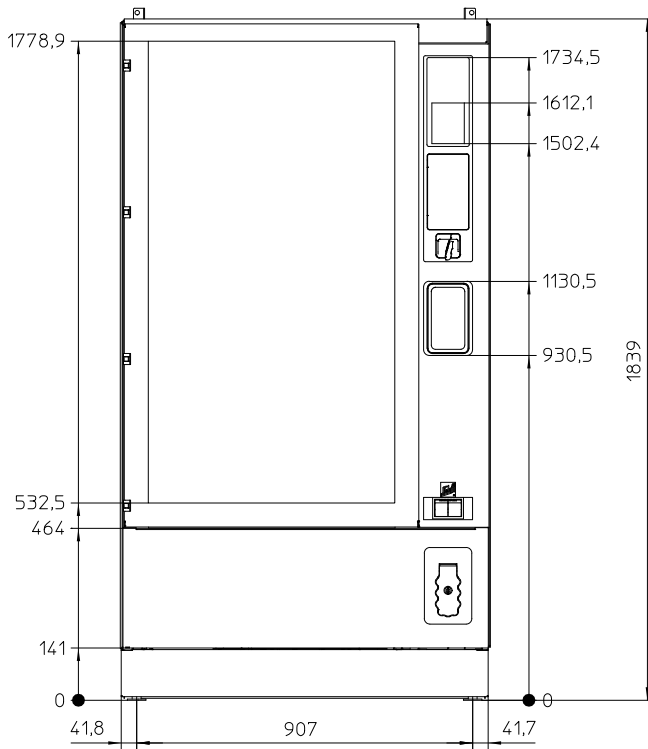
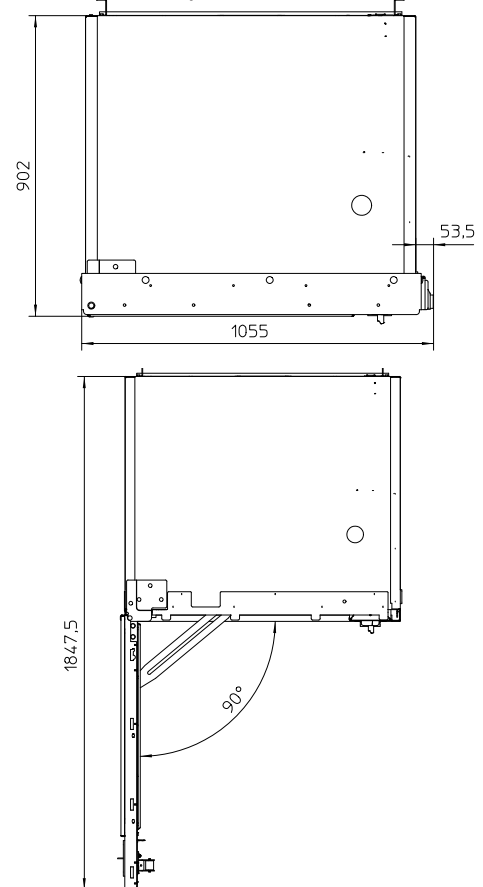
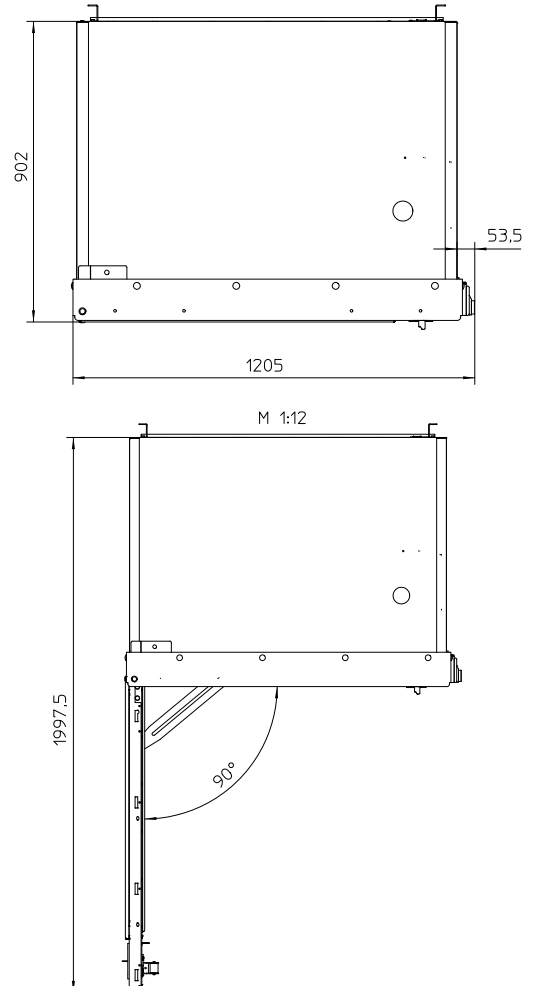
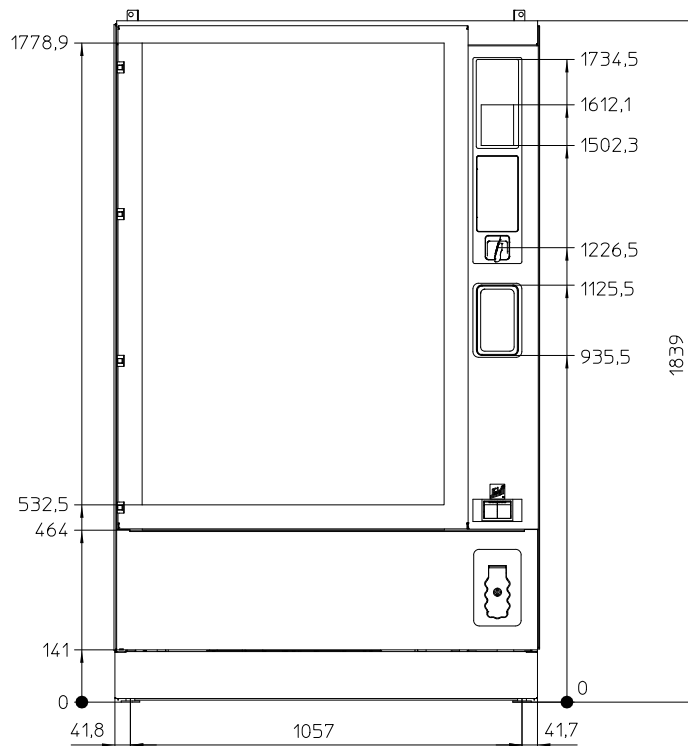
Service board



Yellow - Green - Red

Appliance plug with C14 fuse



Machine dimensions**GF SiLine M****View with theft-proof frame****GF SiLine L**

4. Things to know

4.1 Requirement for the products



CAUTION! Danger of explosion!

No highly flammable or explosive products may be filled into the vending machine.

- The vending machine may only be filled with glass bottles, PET bottles, cans and beverage cartons.
- Products where a dimension does not meet the requirements can lead to malfunctions. Suitability also depends on the shape and stability of the product.
You must therefore always check whether the desired product can be dispensed without any problems.
- In order to follow market trends and new products, Sielaff is constantly testing new packaging for suitability. If necessary, please contact Customer Service.
- Products must comply with the "Requirements" table below.

4.2 Requirements table

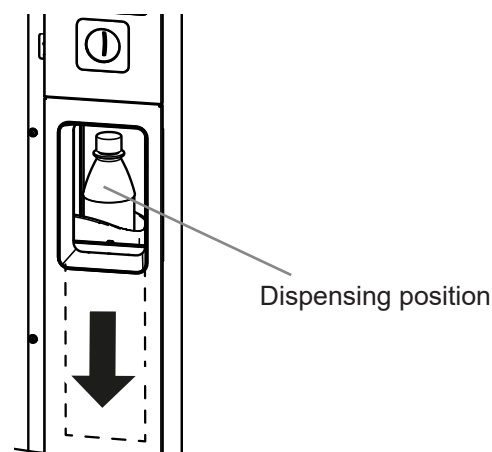
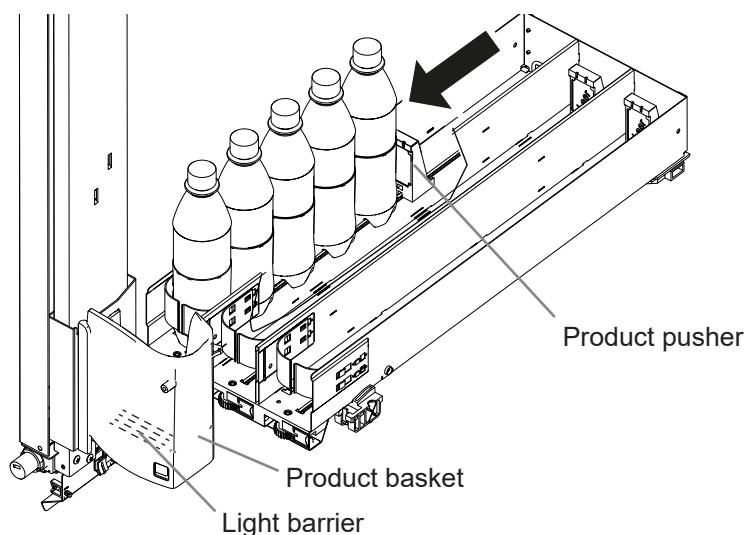
Product (e.g. bottle, can)	Standard drawer width 74 mm	Narrow drawer width 63 mm
	Dimensions	
Height	Max. 270 mm	Max. 270 mm
Diameter	Min. 53 mm / max. 72 mm	min. 53 mm / max. 62 mm
Weight	Max. 700 g standard Max. 905 g (shortened maintenance intervals)	Max. 700 g standard Max. 905 g (shortened maintenance intervals)

Maximum product capacity

	Standard drawer width 74 mm			
	GF SiLine L		GF SiLine M	
	Minimum capacity	Maximum capacity	Minimum capacity	Maximum capacity
Products per drawer (for Ø 66 mm)	9	9	9	9
Number of shelves in the machine: at a maximum height of 240 mm	5		5	-
Number of shelves in the machine: at a maximum height of 115 mm e.g. standard can 0.33 litre, Ø 66 mm		8		8
Number of selections per shelf	9	9	7	7
Capacity of the machine (approx.)	405	648	315	504

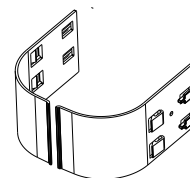
4.3 Dispensing principle of a pusher compartment

- The products (here 5 bottles) have been placed in the drawer by the filler. The product pusher must be behind the last bottle.
- To dispense a product, the product basket is moved up to the drawer automatically.
- The product pusher, which pushes the products forward, is driven by a gear wheel and a timing belt.
- When the front product falls from the drawer into the product basket, a light barrier is interrupted and the product pusher stops.
- The product basket holding the product is then moved to the dispensing position, from where the customer can remove the product.



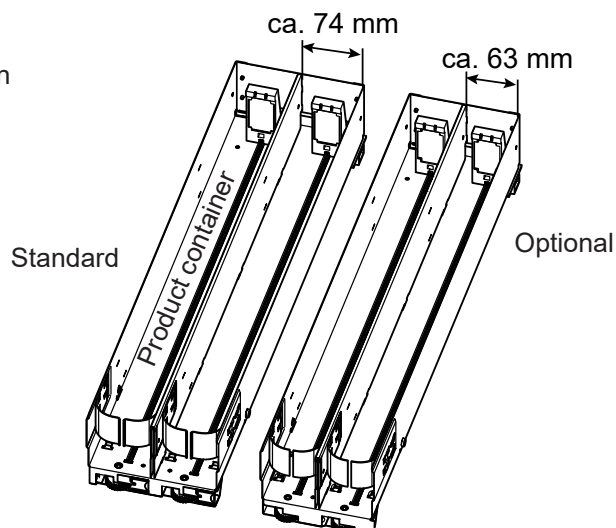
4.4 Product retaining spring

- Hold back: the foremost bottle is held back from tipping at the edge.
- Accelerating/ snapping: when the body of the bottle has fully deflected the springs, the bottle is accelerated by the snapping spring. The bottle is propelled safely into the product basket.



4.5 Drawer widths

The machines are equipped with 74 mm wide goods compartments as standard. Goods compartments with 63 mm have been introduced for narrow cans.



5. Transport



CAUTION! Danger to life!

Improper transport can cause the machine to tip over. Therefore, only move the machine with suitable means of transport.

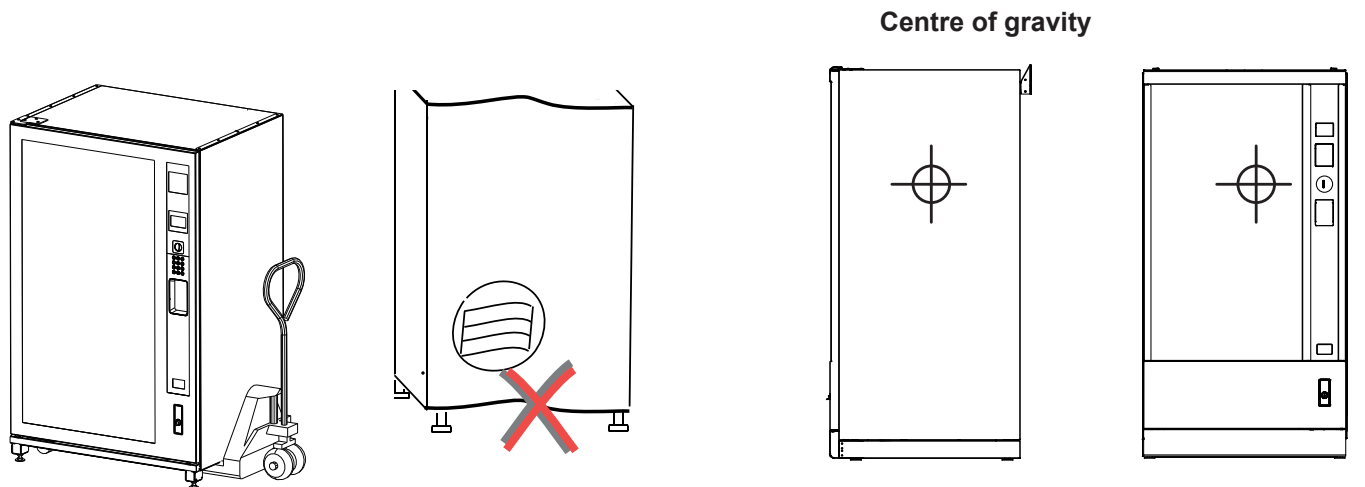
Transport

- Only move vending machines with a pallet truck or forklift. Place the forks on the wide side of the machine. Remove the plinth trims beforehand.
- Do not transport the machine as a suspended load.
- Always move the machine with caution.
- Prevent it from sliding sideways.
- Do not move the vending machine on sloping ramps, use transport lifts instead.
- Observe the machine's centre of gravity. Due to its design, the centre of gravity is high. There is a danger of tipping over.



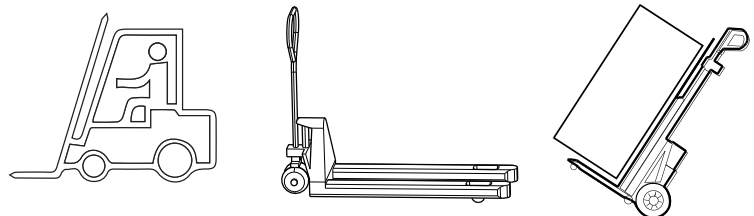
NOTE

The rear of the vending machine must not be dented because this would displace the drawers and the product basket would then collide inside.



Suitable means of transport

- Fork lift
- Pallet truck
- Vending machine hand truck



6. Vending machine installation

- The ground must have sufficient load-bearing capacity. Note the weight (see technical data).
- Do not place the machine in air containing salt or chlorine, such as an indoor swimming pool.
- The vending machine must not be placed in areas that are cleaned with a high-pressure cleaner or a water hose.
- The vending machine window should not be exposed to direct sunlight. The cooling system is not designed for this.
- In unfavourable weather conditions (high humidity, high outside temperature), the windows of the vending machine can fog up, for example. This phenomenon is only temporary and not a reason for complaint.
- The machine must be exactly horizontal.
- The vending machine is supplied with an IEC connection cable and must be connected to a properly installed earthed socket.
- Do not use extension leads or multiple sockets.
- A fixed connection may only be installed by an electrician.
- The plug must be accessible after setting up the unit.
- Radio aerials inside the machine (e.g. from cashless payment systems or telemetry systems) impair its function. Only install the aerials of such systems outside the machine. Observe the manufacturer's instructions for using additional systems.

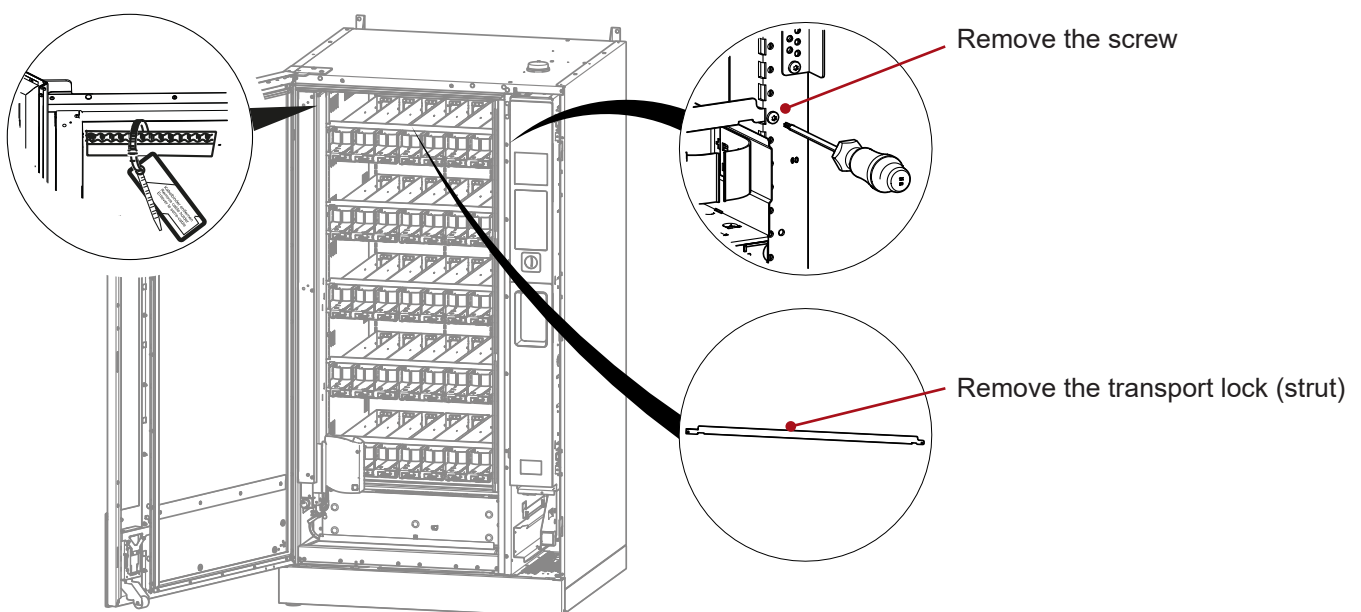
6.1 Removing the transport locks



NOTE

After connecting the power supply, the vending machine automatically performs a reference run. Transport locks that have not been removed will damage the machine.

- Remove the cable tie in the top left corner. This prevents the lift arm from moving.
- In addition, the shelves are secured with a transport lock. Remove the fastening screws on the right and then remove the transport lock (strut).



6.2 Aligning the vending machine

The vending machine must be aligned to ensure the following:

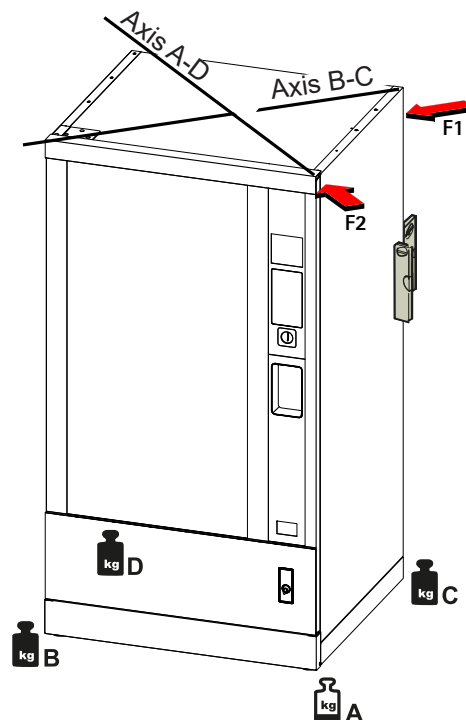
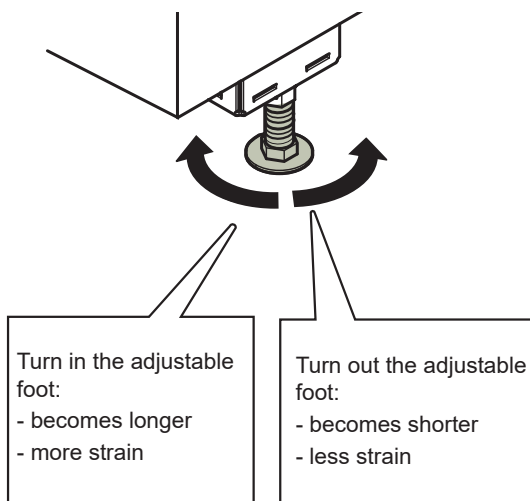
- Horizontal, stable position.
- Height adjustment for vending machine stations.
- The vending machine door can be opened and closed without jamming! When closing the vending machine door, the door contact switch is correctly closed by the actuator.

Procedure

- Place the machine in its designated location.
- If a pallet truck is available, lift the machine. Unscrew the four adjustable feet evenly. The distance between the floor and the lower edge of the side panel must be approx. 9 cm. Remove the lift truck.
- Check if the machine rocks over the axis B – C when the corner at F2 is pressed down. If it rocks, turn in adjustable foot B until this is no longer possible.
Check if the machine rocks over the axis A – D when the corner F1 is pressed down. If it rocks, turn in the adjustable foot A until this is no longer possible.
- Place a spirit level on the rear wall and level by adjusting foot A only.
- Check that the machine is rocking along the B - C axis by pressing the corner at F2. If it rocks, turn in adjustable foot B until this is no longer possible.
- Place the spirit level on the side panel as shown in the illustration and level the machine by adjusting foot C only.

Once the vending machine is installed, it is usual for the door to drag along the floor as it is opened and closed. To prevent the vending machine door from grinding, only foot A must be relieved as follows:

- Screw adjustable foot A inwards until the machine rocks over axis B – C. By pressing the corner at F2, try several times to see if the machine rocks
- Apply strong pressure to the corner at F2 while turning the adjustable foot A out by hand until it rests
- Finally, using a 24 mm open-ended spanner, add just ½ turn to adjustable foot A. This stops the machine rocking over the corner while also ensuring that the machine door opens and closes smoothly.



6.3 Wall fixing brackets and spacers

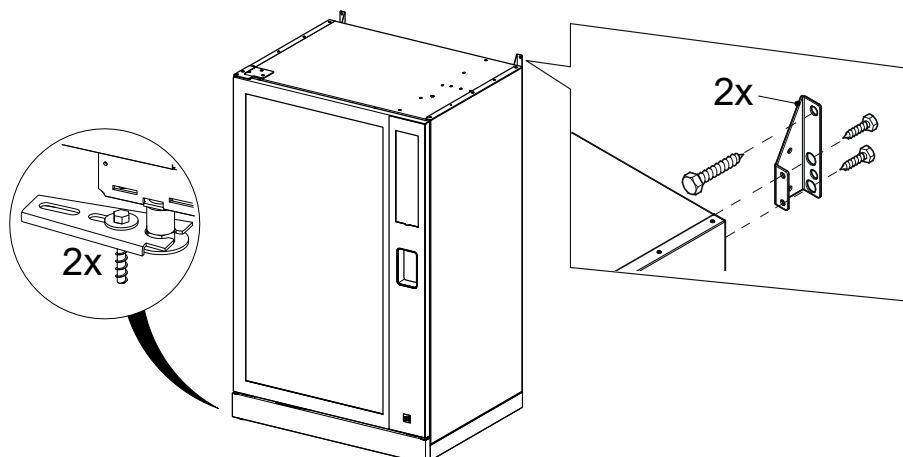


WARNING Danger of tipping over!

The vending machine can tip over at the installation site. There is a risk of crushing. Fix the vending machine to the wall or floor.

- To ensure sufficient air circulation, the vending machine must be installed with a distance of 50 mm to the wall. To ensure this distance, the wall spacers supplied must be used to fix the vending machine to the wall. Use suitable screws and dowels for the wall.
- If the unit cannot be fixed to the wall, floor fixings must be used.

Optional:
Floor mounting set of parts
Part no. 603 02 639 00



6.4 Promotional rear panel (optional)

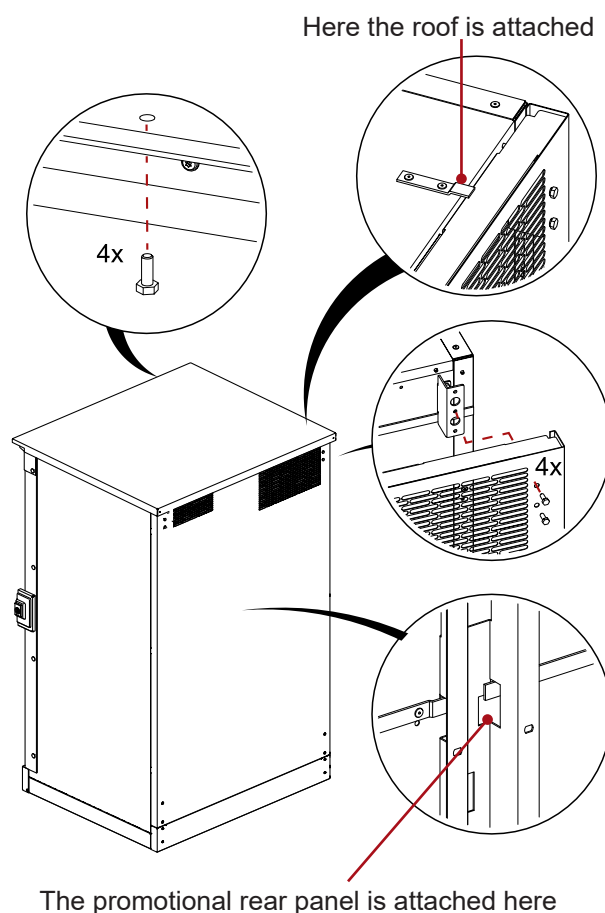
A promotional rear panel can be fitted to free-standing vending machines. This can be used as advertising space by sticking films or posters on it.

Detaching the roof and promotional rear panel

1. *Open the machine door.*
 2. *Remove 4 screws from the inside.*
 3. *Push the roof slightly back and lift it off.*
- ✓ The roof is now removed.
4. *Remove the 4 screws from the top of the promotional rear panel.*
 5. *Lift the promotional rear panel slightly up to detach it.*
- ✓ The promotional rear panel is now removed.

Installation

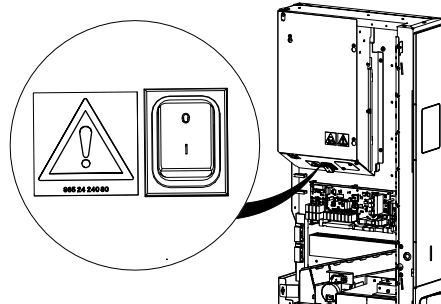
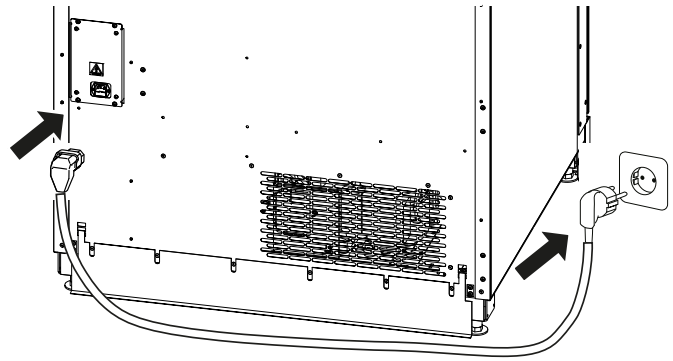
To carry out installation, perform the above steps in reverse order.



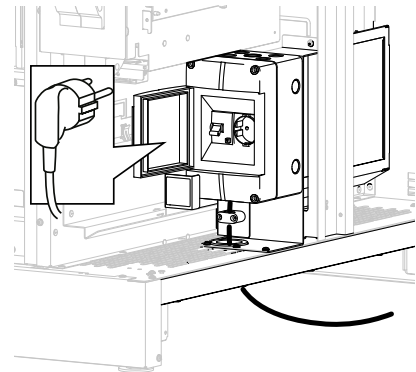
6.5 Electrical connection

1. Open the vending machine door (good ventilation)
 2. Plugging in the mains plug
 3. Pulling the drawer out
 4. Switching on the main switch
- Shutdown device for safety shutdown requires approx. 2 minutes to start.

The main switch is located in the telescopic drawer underneath the power supply unit.

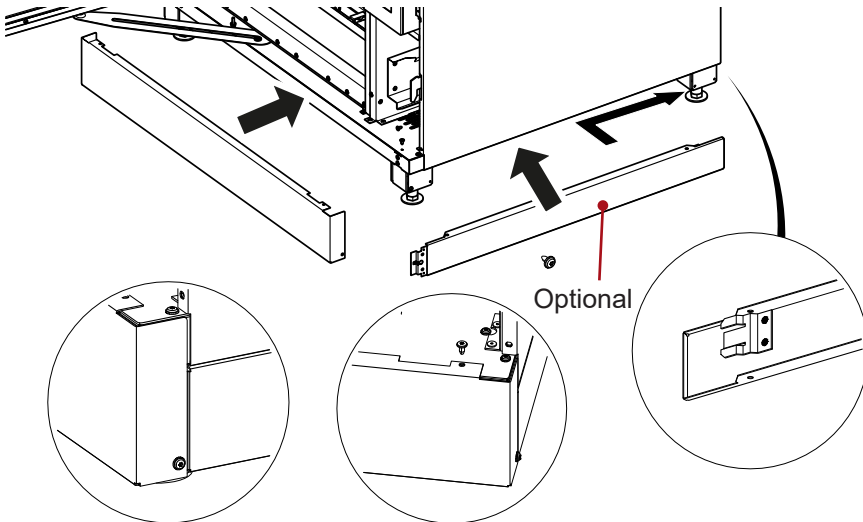


Fixed connection/ junction box (optional)

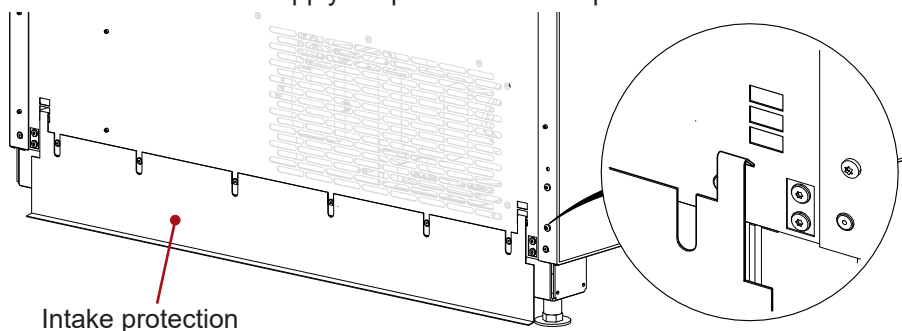


6.6 Fitting kickplates, intake protection

In order to be able to fit the kickplates, the feet of the machine must be screwed out at least 4 cm.



To prevent the warm exhaust air from being sucked back in, the intake protection must be hooked into the rear of the unit. This does not apply if a promotional rear panel is fitted.



6.7 Installing the coin mechanism (optional)

Most of the machines are set and tested at the factory for a specific protocol for the respective coin mechanism. The coin mechanism is usually installed at the customer's premises by the customer.

Inserting the coin mechanism mechanically

Observe the documentation of the coin mechanism manufacturer.

Attach the coin mechanism in the designated place. If necessary, insert the locking screw.

Adjusting the eccentric disc

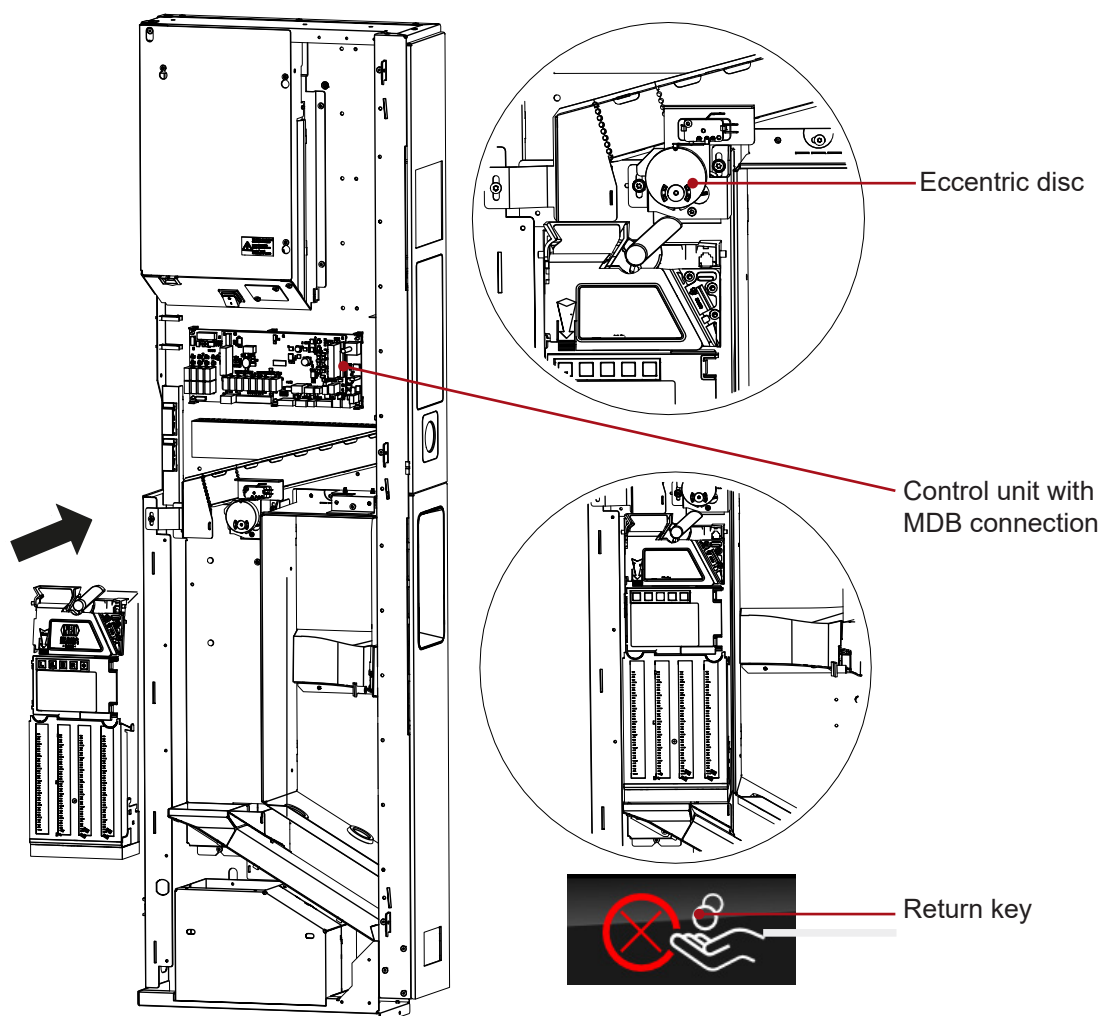
Set the motorised return so that the return lever on the coin mechanism is safely actuated when the return key is pressed. Adjust the insertion channel so that the coins can fall properly into the insertion funnel of the coin mechanism.

Connecting the adapter set

The coin mechanism and the control unit (VMC) must be connected electrically.

Setting the software

1. Tab 5 [Payment systems]
 2. [General]
 3. [Credit system protocol]
Set the communication protocol required.
[MDB] [Executive] [Free vend] [BDV]
 4. Confirm with [Save]
- ✓ The protocol between the control unit and the coin mechanism is now set.



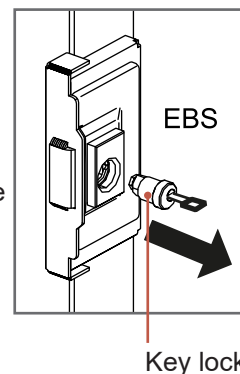
7. Daily operation

7.1 Notes for the filler

- First of all check the general condition of the machine:
 - is there any external damage?
 - does the machine look clean and tidy? - if vandalised the machine must be put out of service immediately.
- In addition to cleaning work, maintenance work must be carried out on the vending machine (see Technical Manual)

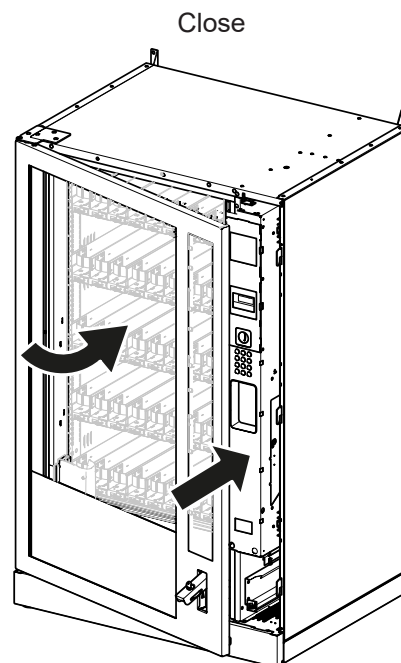
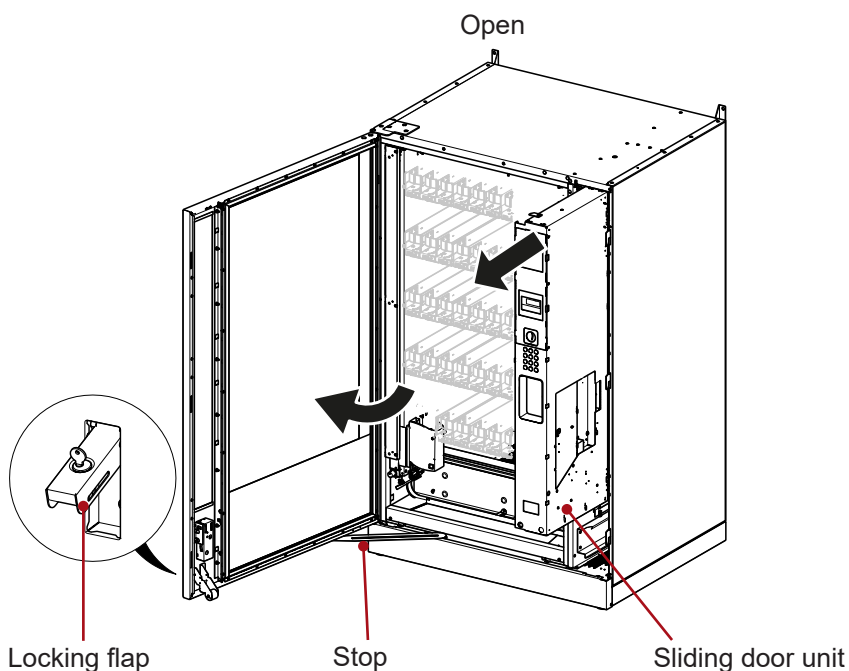
7.2 Automatic door, telescopic drawer

1. Remove the key lock with the key (only for vending machines with TP theft protection).
 2. Undo the lock on the locking flap.
 3. Fold out the locking flap.
 4. Pull the locking flap.
- ✓ The machine door opens; at 90° the mechanical stop is effective; therefore pull slowly to the stop.
5. Pull the telescopic drawer
- ✓ Telescopic drawer is now open
 ✓ The cash box is now accessible and can be emptied.



Close the machine door

1. Slowly push in the telescopic drawer to the stop.
2. Remove the service key (optional).
3. Close the machine door.
4. Fold in the locking flap.
5. Apply the lock on the locking flap.
6. Insert the key lock (TP only).



7.3 Filling drawers



TIP

The machine may only be filled by trained and qualified personnel.

Products can slip out of the drawers during refilling. Therefore, handle with care and always hold the frontmost product.

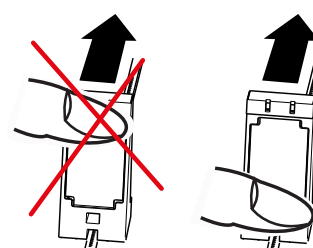
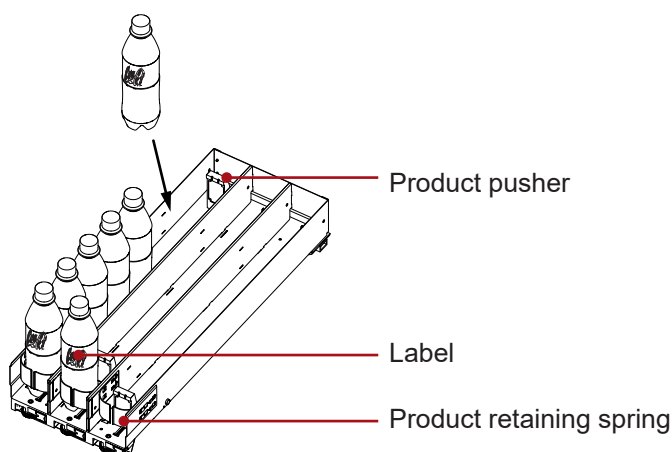
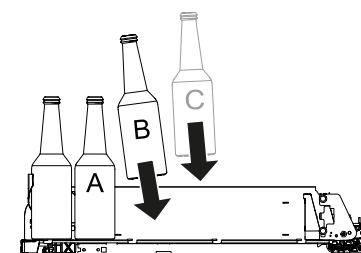
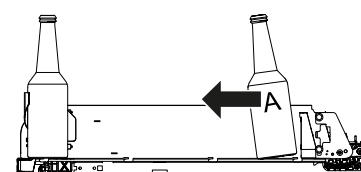
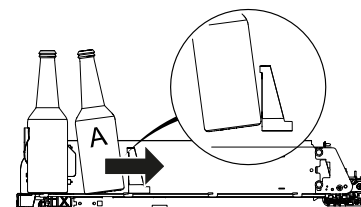
Procedure

1. Grasp the bottom edge of the drawer, lift it slightly and pull it out slowly.
2. Push the product pusher backwards at a slight angle with the help of the last product.
3. Put the product back ("first-in first-out" principle).
4. Refill the products in the free space created.
5. Slowly push the drawer backwards to the stop.

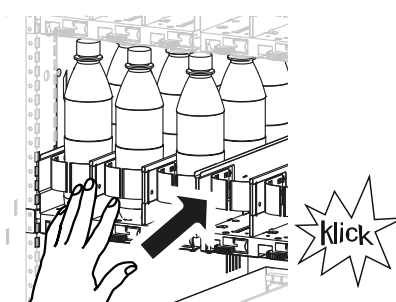
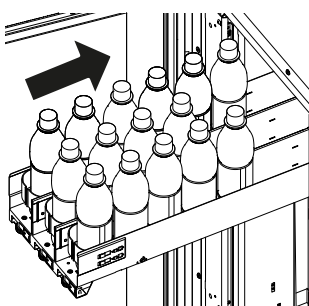
→ The drawer audibly engages.

Notes

- Only pull out one drawer at a time.
- Loosely fill up the products. Do not squeeze into the compartment.
- Align the label of the product immediately to the front to take advantage of the vending machine glass front. This makes it easier for the customer to choose.
- The product pusher can tilt awkwardly if it is gripped at the top when it is pushed back. Therefore, always move the product pusher down.
- If the drawer is slanted, use one hand to prevent the first product from slipping out while refilling with the other hand.
- The product retainer spring only supports the sales process. It cannot prevent products from tipping.



Push the product pusher backwards only at the bottom



7.4 Service key



CAUTION! Risk of injury.

If the service key is inserted in the door contact switch and the safety distance is too small, there is a risk of injury to the lift system during the reference run. Keep your distance until the product basket remains in the Home position at the bottom left.

- For safety reasons, only trained operators or service technicians are allowed to insert the service key, as there are dangers from electrical and mechanical components in the open vending machine.
- Keep the service key outside the machine.

Using the service key

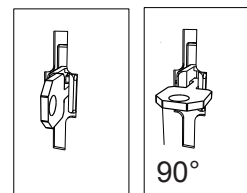
1. *Open the machine door, do not pull out the drawer.*
2. *Insert the service key vertically into the door contact switch and turn it clockwise by 90°.*

→ The door contact switch is bypassed. After a short time, a test routine and a reference run will start. The product basket is set in motion. The drawer must therefore remain in the machine until the reference run is completed.

Removing the service key

1. *Turn the service key 90° anticlockwise.*
2. *Remove the service key.*

→ The vending machine is now shut down.



7.5 Inclining the pusher compartment

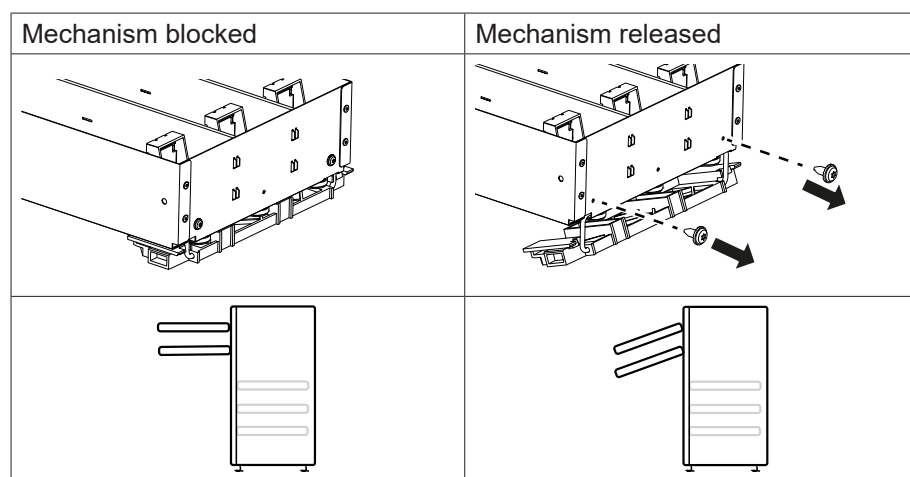
The drawers can be tilted. The tilt mechanism for pusher compartments is locked at the factory.

Drawers can only be tilted at your own risk.



CAUTION! Risk of injury.

Products falling out when the drawer is tilted. Do not use the tilt mechanism with glass bottles.



8. Cleaning, care

8.1 Cleaning list

In addition to the cleaning work, maintenance work must be carried out on the vending machine. For an overview of maintenance work, refer to the maintenance schedule in the technical manual for your machine.

This can be obtained from the Download Portal on the Sielaff Homepage.

Part	Action	Frequency	Additional equipment
Exterior surfaces, dispenser panel	Clean	If required	Washing-up liquid, cloth
Dust filter (important)	Check and clean	If required	Compressed air, brush
Partition wall flap	Check and clean	If required	Washing-up liquid, cloth
Drawers, drawer floor (important)	Check and clean	If required	Washing-up liquid, cloth
Product basket	Check and clean	If required	Washing-up liquid, cloth
Cleaning the intermediate panel (optional)	Clean	If required	Washing-up liquid, cloth
Vending machine floor	Clean	If required	Washing-up liquid, cloth

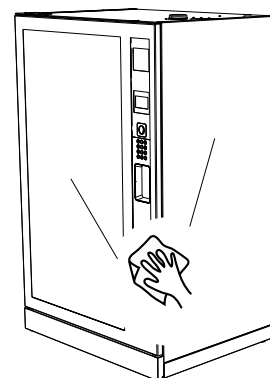
Menu-guided cleaning

Call up the cleaning steps displayed and carry out the cleaning and care work conscientiously.

Tab 1 [Start menu] - Menu [Overall cleaning]

8.2 Exterior surfaces

- Use only suitable cleaning agents for glass, plastic, painted metal, stainless steel, etc.
- Clean the exterior surfaces and the dispenser panel regularly.
- Never wipe across the direction of grinding on ground stainless steel. Stainless steel cleaning cloths are available under item no. 998 00 119 52.



8.3 Dust filter

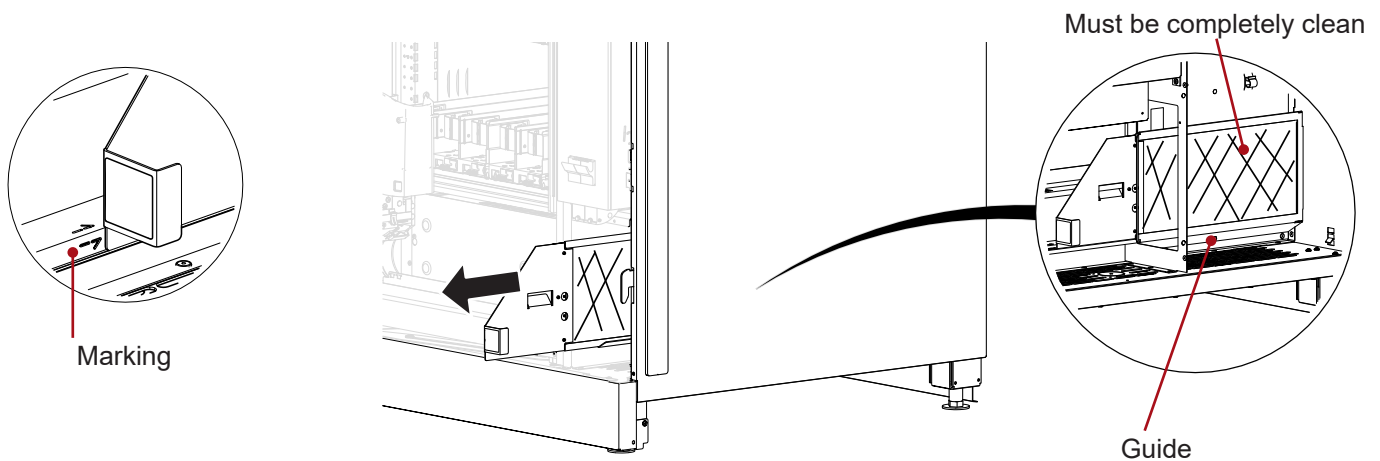
1. *Open the machine door*
 2. *Pull out the dust filter on the handle*
 3. *Clean the sieve surface with a brush, compressed air or a Hoover*
- ✓ The dust filter has now been cleaned

To insert the dust filter, push it all the way back in the guide (see marking).



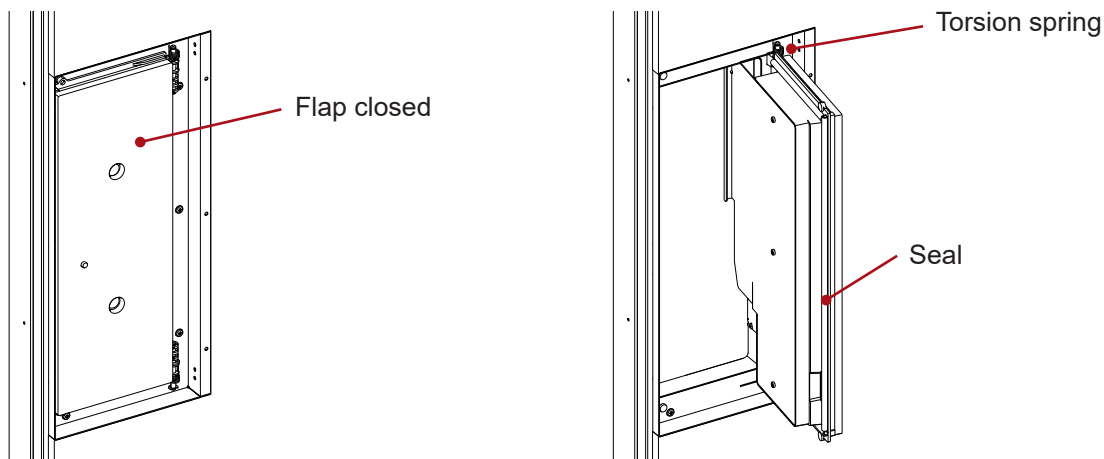
NOTE

At exposed installation sites in public areas, the dust filter will have to be cleaned more regularly due to the greater accumulation of dust. The screen surface must not be clogged, otherwise the cooling system will be damaged.



8.4 Partition wall flap

- A self-closing flap is fitted between the cold room and the outside environment for thermal separation.
- The flap is pushed open by the product basket during product output and must then close by itself.
- The circumferential seal on the flap must be kept clean and must not be glued.

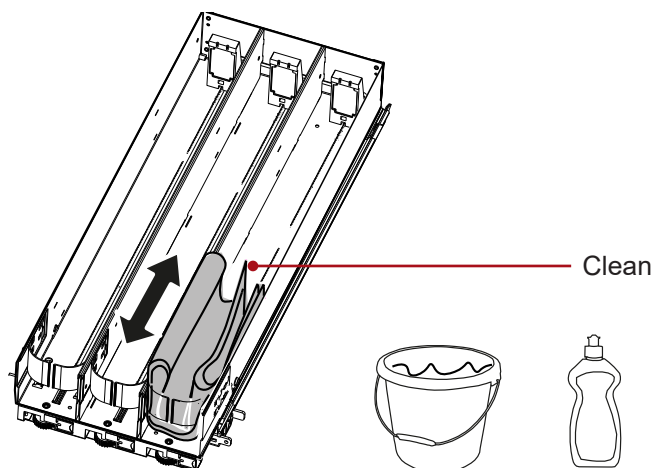


8.5 Clean the goods compartments

Due to deposits on bottles and cans, contamination (adhering dirt or adhesive residues) may occur on the bottom of the goods compartments over time. This increases the amount of force required to move the products. This could result in a blockage or motor damage.

Therefore, make sure that the drawers floors are free of dirt.

Clean the floors with a lint-free, damp cloth and hot water with commercial dishwashing detergent. Wipe the drawers dry afterwards.



8.6 Removing and cleaning the product basket

The product basket can be removed for cleaning.

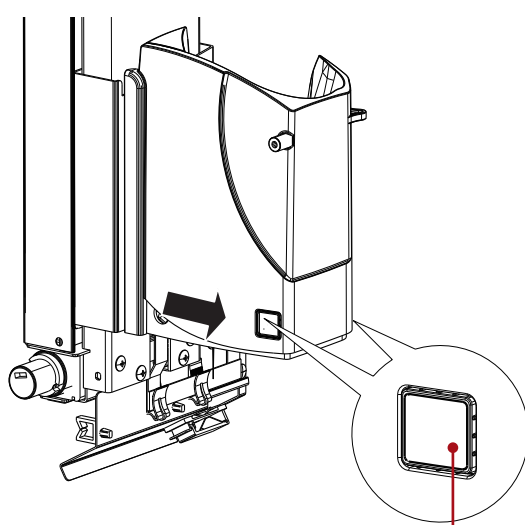
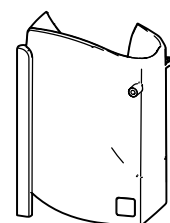
Press the two release buttons and pull the product basket slightly to the right. You then have to push it slightly upwards so that it is unhooked.

Clean the product basket by hand with washing-up liquid or in a dishwasher at max. 65°C.

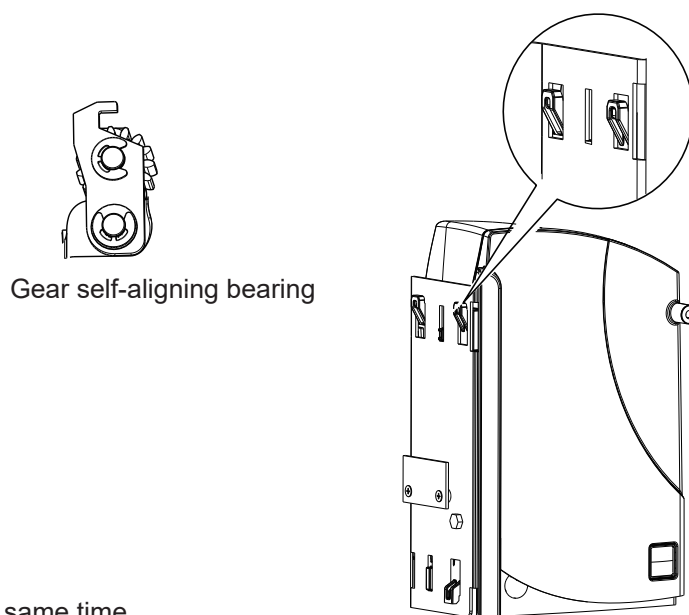
Insert product container.

First swing out the gear self-aligning bearing. Position the product basket at a slight angle (approx. 10°) to the basket support. Now push the product basket to the left so that the hooks at the top engage correctly in the recesses.

Finally, push the product basket to the left and upwards so that the release buttons audibly engage. If the product basket is not correctly engaged, malfunctions will occur.



Release button:
press front and back at the same time



8.7 Cleaning the intermediate panel (optional)

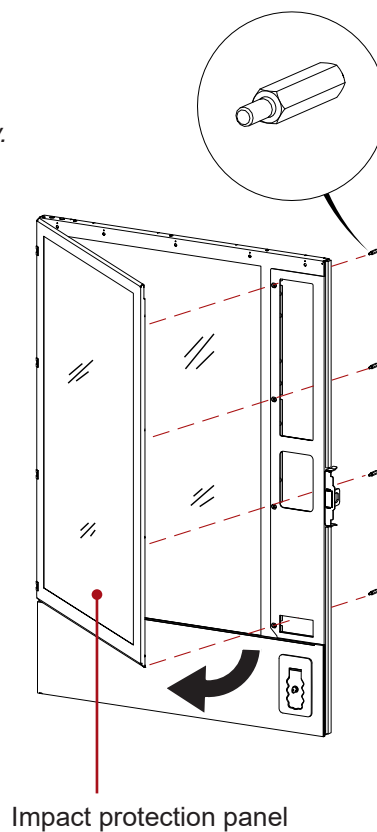
Some versions have the attached impact protection. This creates an intermediate window that can be cleaned if necessary.



NOTE

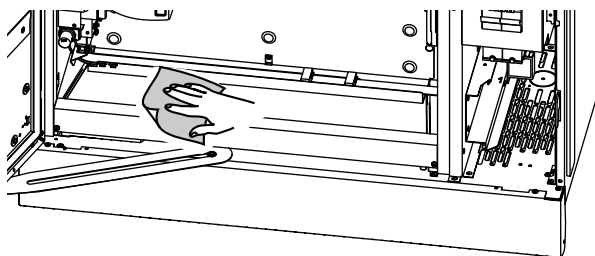
The use of abrasive, acidic or alkaline cleaning agents can cause stress cracks in the impact protection panel.

1. Remove the screw bolts.
 2. Open the impact protection panel
 3. Clean the impact protection panel thoroughly using a non-abrasive, pH-neutral cleaning agent and hot water. Before closing, the cleaned surfaces must be dry.
 4. Close the impact protection panel.
 5. Insert the screw bolts.
 6. Check that the impact protection panel is correctly positioned.
- ✓ The intermediate pane is now cleaned



8.8 Vending machine floor

- Clean the bottom of the machine with a lint-free, damp cloth and hot water with standard dishwashing detergent.
- The ribbon cable must be free of debris. Collision-free operation must be guaranteed.



9. Maintenance safety checks

The operator must carry out the following safety checks in order to operate the vending machine safely:

Subject	Annual safety checks	See
Gas sensor	Check for damage and clean (do not use compressed air)	Sect. 9.1
Shut-off device	Carry out a self-test to ensure that the cut-off relay is working correctly	Sect. 9.2
Gas sensor	Use test gas to ensure that the gas sensor is working correctly	Sect. 9.3

9.1 Checking and cleaning the gas sensor

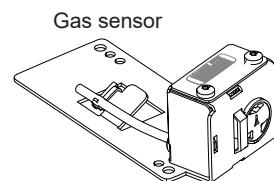
Check the gas sensor for any damage.

Clean the gas inlet using only a brush.



NOTE

Never clean the gas sensor with compressed air. Compressed air damages the sensor.



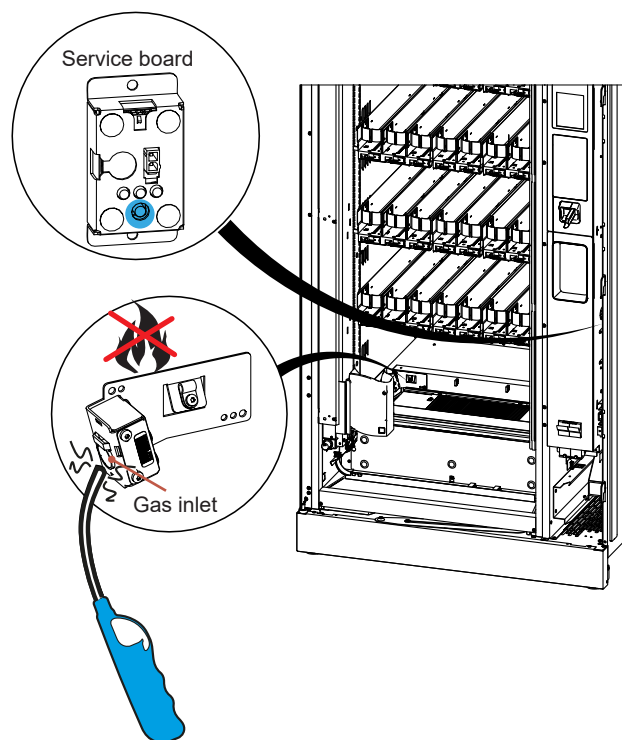
9.2 Shut-off device - Activating a self-test

Requirements

- The machine is ready to use
- Yellow LED on the service board lights up

Procedure

1. Press the button on the service board for approx. 2 seconds
 - Green LED lights up briefly (self-test was successful)
 - Yellow LED lights up (everything OK)
 - Red LED lights up (indicates a fault, take vending machine out of operation, replace shut-off device)



9.3 Testing the sensor

Requirements

- The gas sensor must be accessible (gas inlet)
- Remove the drawer if necessary
- Standard stick lighter

Procedure

1. Switch on the vending machine.
2. Ignite the stick lighter away from the vending machine (flame height 2 cm).
3. **Extinguish** the stick lighter flame while continuing to hold down the stick lighter actuator.
4. Hold the opening of the stick lighter in front of the gas inlet opening of the gas sensor for a maximum of 20 seconds.
5. Put the stick lighter away and wait a few seconds.
 - Safety shut-off device disconnects the vending machine from the mains. Display, machine lighting etc. go out.
 - ✓ Shut-off device working correctly
 - ✓ Wait a while until the shut-off device automatically reactivates the power supply

Important:

- If the vending machine fails this test, the gas sensor must be replaced. The vending machine must be taken out of service.
- The vending machine may only be operated if the shut-off device is working correctly.

10. Software

10.1 Selection types

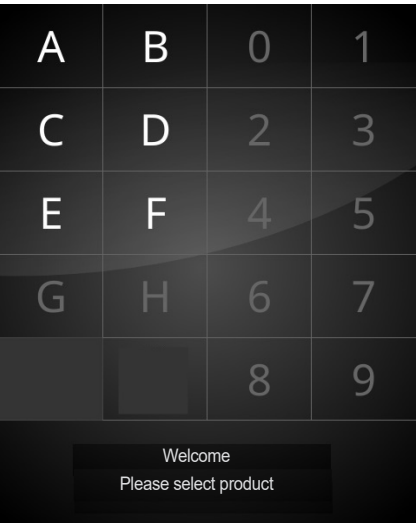
The vending machine supports different ways to select a product. When choosing a selection type, the distribution concept and the hardware equipment of the vending machine should be taken into account.

Selection types

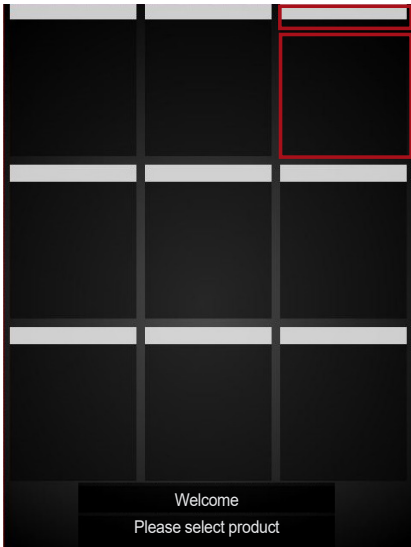
- [Keypad selection]
- [Direct selection]

The programming can be found in tab 6 [Machine configuration] ⚙️ - [General] - [Selection type]

[Keypad selection]



[Direct selection]



10.2 Customer menu

When the machine is in standby, photos or videos are displayed. The slideshow can be customised, see “10.10.6 [Multimedia]” on page 57.

10.3 Service menu

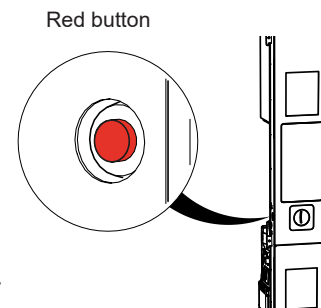
The service menu is divided into tabs.

Overview					
 Tab 1 [Start menu]	 Tab 2 [Statistics/data]	 Tab 3 [Cleaning]	 Tab 4 [Products]	 Tab 5 [Payment sys- tems]	 Tab 6 [Machine configuration]

10.4 Entering the menu

Procedure

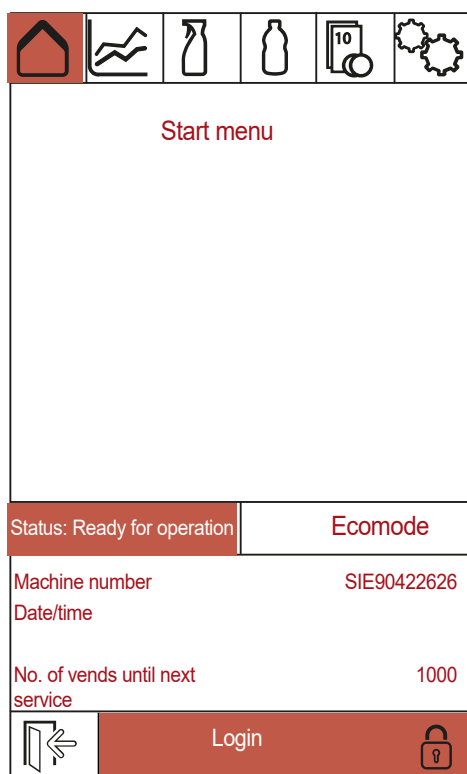
1. Open the machine door
 2. Press the red button
- The start menu is displayed



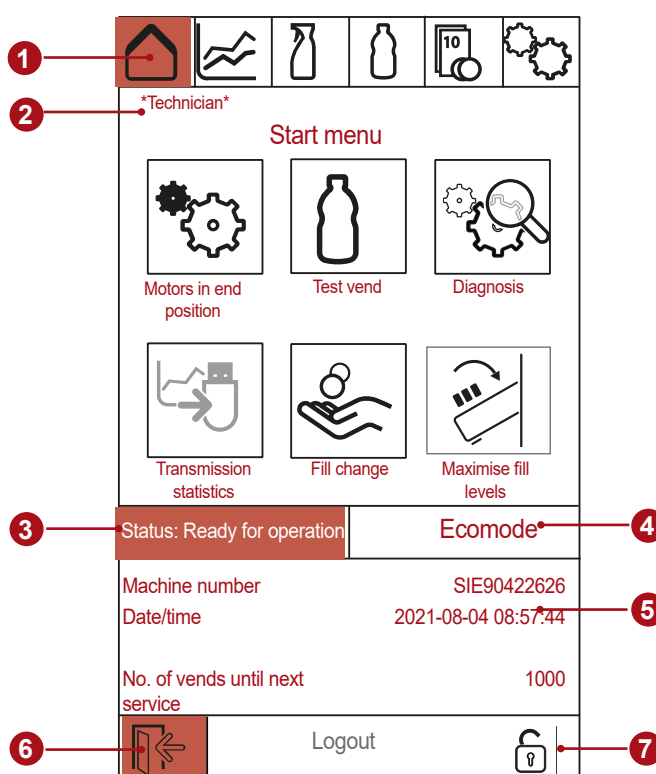
10.5 Tab 1 [Start Menu]

- The start menu is fully selectable when the vending machine is delivered so that the set-up can take place. The access control is switched off.
- The operator has the option of switching on access control and giving new users certain rights. See paragraph [Access Control]. Keyword role.
- In everyday operation, access control is switched on so that the filler only has certain rights. To access the start menu (also called the service menu), a code of at least four digits must be entered to login.

Access control switched off



Access control switched on and logged in as technician



- 1 Tab 1 [Start menu] coloured, i.e. menu selected
- 2 Role, e.g. technician, filler, operator, etc. If there is a designation here, you are logged in. If no name appears, you are logged out.
- 3 Status: The state of the vending machine is displayed. The background is yellow for warnings or errors; the vending machine remains ready for operation. If the background is red, the vending machine goes out of operation.
- 4 [Ecomode]: the lighting goes out and the cooling is reduced to the lifting temperature (energy saving).
- 5 At a glance: information on sales and service counters is displayed here.
- 6 Exit: Switches from the menu to sales mode (only possible when the service key is inserted).
- 7 [Login]/[Logout] Logs the logged-in role in/out of the service menu.

10.5.1 Login/ Logout

- The vending machine operator has the option of creating his/her own names for the fillers and assigning them a role.
- The rights for the roles are defined ex works and cannot be changed.
- The following roles apply: Filler, operator, technician.
- Which menus are accessible to fillers, operators and technicians and which are not is indicated in the table further on.

Requirements

- The access control is switched on.
- The code is known

Procedure

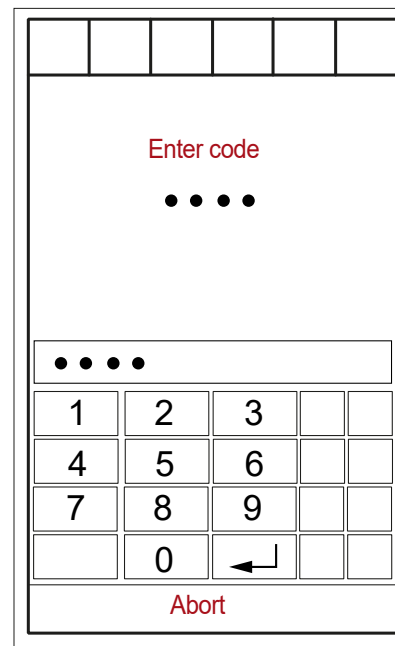
1. Press [Login]
 2. Enter the digits on the displayed numeric keypad
 3. Confirm with Enter 
- ✓ If the code is correct, the user is logged in.

→ The role name appears top left: *Name*.

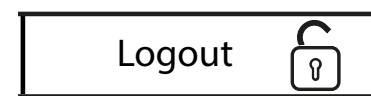
Logout

Procedure

1. Press [Logout]



The login screen features a header with six empty boxes. Below this, the text "Enter code" is displayed in red, followed by four black dots indicating the code length. A numeric keypad is shown below, with buttons for digits 1-9, 0, and a back arrow. At the bottom, there is an "Abort" button in red.



10.5.2 Switch on and switch off [Access Control]

Requirements

- Logged in as operator or technician (highest rights).

Procedure

1. Tab 6 [Machine Configuration] 
 2. Press the slider for [Activate access control]: on  or off 
- ✓ The access control is now switched on or off. A code is requested for certain menus.

10.5.3 Create users

Requirements

- Logged in as operator or technician (highest rights).

Procedure

1. Tab 6 [Machine Configuration] 
 2. Press [Add]
 3. Enter the name
 4. Assign the role (filler, operator, technician) with the arrow keys
 5. Enter the pin code
 6. Press [Save]
- ✓ A new user with a "role" has been created

10.6 Tab 2 [Statistics/Data]

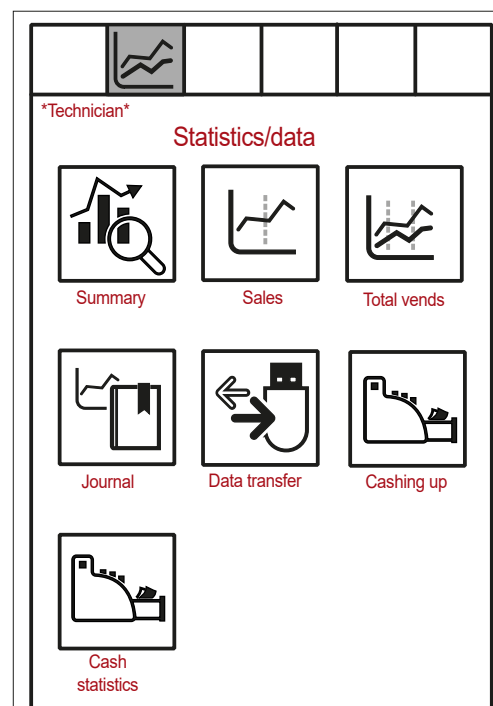


10.6.1 [Summary]

In this menu, sales made, test vends, free sales and their values can be viewed.

The statistics are divided into [Short statistics] and [Total statistics].

- [Short statistics] totals all sales since the last deletion.
- [Total statistics] totals all sales since installation and commissioning.
- [Short statistics] can be deleted, [Total statistics] cannot be deleted.



10.6.2 [Sales]

The selections are listed with the number of sales and the value. If a selection is tapped, the breakdown into [Total Sales], [Free Sales] and [Test Vends] opens below.

Example:

	Sales	Value
Selection 20 / B0	11	5.50 EUR
Total vends	10	5.00 EUR
Free sales	0	0.00 EUR
Trial vends	1	0.50 EUR

10.6.3 [Total sales]

The number of total sales refers to the sales of the total statistics.

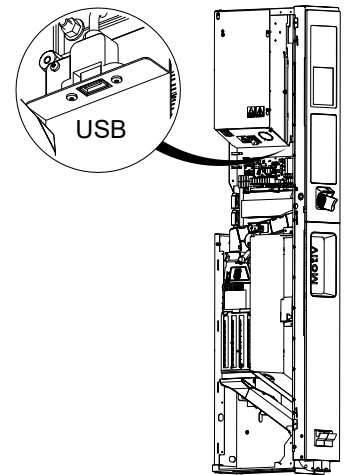
10.6.4 [Journal]

- All actions of the vending machine are stored in the journal. The journal is non-binding. The stored information is intended for the operator and the service technician.
- Actions can be sales, errors, warnings that occur, software updates, login processes or similar.
- To find certain actions more quickly, the [Journal] has a search function. A keypad is displayed if required.
- The journal can be deleted.

10.6.5 [Data transmission]

In this menu item you can write statistics, journals and HMI data to an external data carrier. These can then be evaluated on the PC.

This menu also allows you to update the HMI and control software and to load a configuration. A USB stick must be plugged into the HMI for all functions. If this is not the case, no functions can be selected.



[Transfer statistics to the USB stick]

- The short as well as the total statistics are written to a connected USB stick. After the transmission, the short-term statistics are deleted.

[Transfer statistics as a csv file to the USB stick]

[Transfer journal to USB stick]

- The journal is written to a connected USB stick. After the transfer, the journal is not deleted.

[Transfer configuration to the USB stick]

- The entire configuration is written to a connected USB stick.

[Transfer log to the USB stick]

- The log-data is written onto a USB-stick.
CSV-configuration read from USB-stick.

[Read configuration from USB stick]

- The entire configuration is read in from a connected USB stick and written to the control unit of the vending machine.

[Read software update from USB stick]

- Source of supply for updates: <http://www.sielaff.com/download-center/>

10.6.6 [Cash box closing]

- A cash box closing gives the control unit the command to delete the short-term statistics. The short-term statistics are only deleted after the next coin insertion.
- If a modem is connected, a call command is triggered.

10.6.7 Cash statistics

The stock of coins or notes is shown.

10.7 Tab 3 [Cleaning]

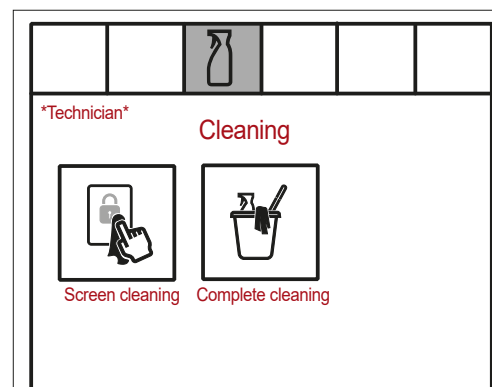
10.7.1 [Screen cleaning]

You should select this menu to clean the sensitive glass surface. For this purpose, a timer with 15 seconds is displayed while the screen does not react to touch.

10.7.2 [Complete cleaning]

In this menu, the display shows you "step-by-step" which components are to be cleaned.

Please note that regular inspection and cleaning of the dust filter is important for the operation of the machine. A clogged dust filter leads to higher energy consumption and damages the cooling.

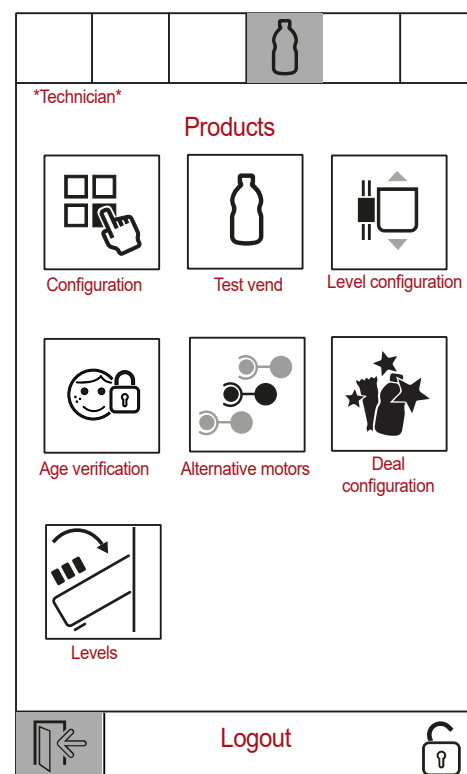


10.8 Tab 4 [Products]



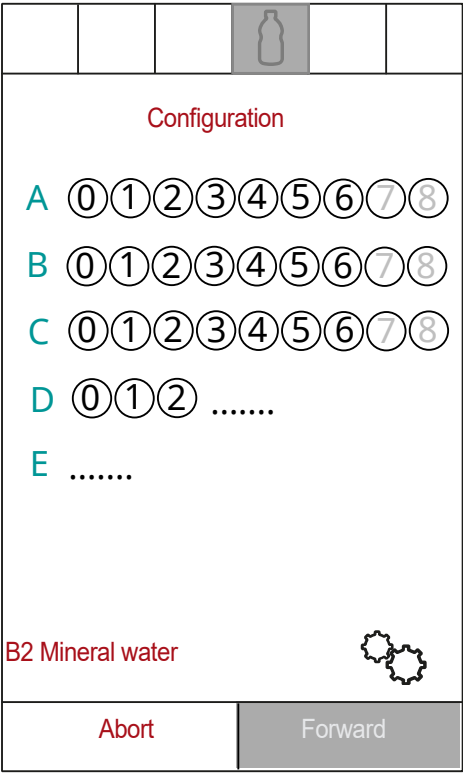
You need this menu if you wish to set up the machine again or make changes to the products.

- Setting prices
- Setting price lines
- Carrying out a trial vend
- Configure shelves
Shelf look-up (determine number of shelves in the machine)
Calibrate lift
- Programming youth protection
- Determining alternative motors
- Configure deal configuration
- Set up levels



10.8.1 [Configuration]

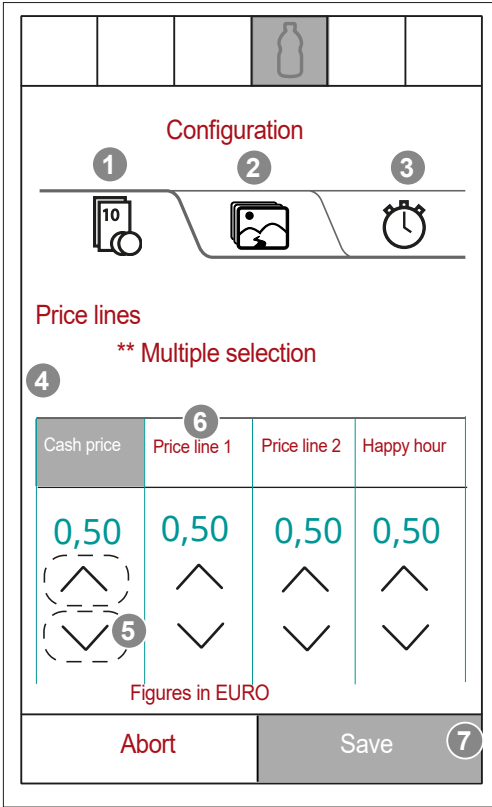
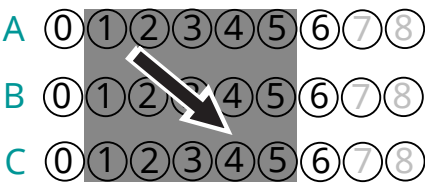
A matrix with 8 shelves (A-H) with 9 selections (0-8) each is displayed.
Depending on the vending machine type and existing configuration, programmable (selectable, editable) choices appear in white digits in the display. Ineligible selections are grey.



Select drawer B2: → touch with the finger



Select multiple selections → drag diagonally with your finger



- 1 Price line tab
- 2 Product image tab
- 3 Activation times tab
- 4 The two stars ** are placeholders for the selection. If a product name has been entered, then instead of [Multiple selection] for example "Mineral water" is displayed.
- 5 Enter the price for your selection here:
Arrow up/down
Numeric direct entry when you tap on the price. A numeric keypad is displayed
- 6 You can enter the cash price, the two price lines and the happy hour price here.
- 7 To finish, press the [Save] key.

Your selection	Meaning of the selection
Price lines B2	Selection B2
Price lines A*	Shelf A whole
Price lines *0	Drawers column left (whole)

* represents a placeholder

Price line tab

Under this tab, the cash price, price line 1 and 2 and the happy hour price can be edited.

Product image tab

A product image can be assigned to each product. This image is then displayed on the screen when the product is sold.

3 images can be stored for one product:

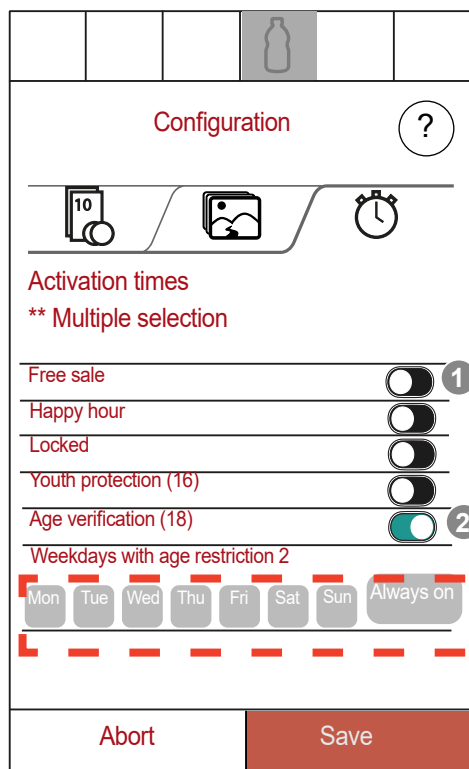
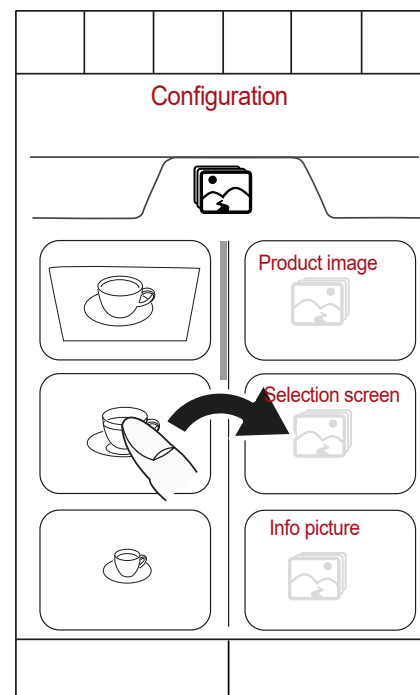
- Product image: displayed in the general overview of the available products
- Selection screen: displayed during the sale
- Info picture: the allergens or other information about the product are stored here as a photo.

Product images can be transferred from a USB stick to the vending machine in the menu [Machine configuration] - [Multimedia] - [Product images].

The thumbnails are moved from the left column to the right column via "drag and drop".

Activation times tab

Here you can activate youth protection (from 16 or from 18 years), free sale, the application of happy hour or simply the total block for the displayed selection.



- 1 Free sales are switched off
- 2 Youth protection (18) is switched on

Not editable!

10.8.2 Example: Programming prices

Programming prices, assigning product images and activation times

Procedure

1. Make a selection or multiple selection

→ The Price Line tab  is already open.

2. Enter the cash price with arrow up/down (alternatively: Direct input by numeric keypad)

3. In the Product Image tab  / Selection Screen or Info Picture, select an image and drag it to the right into the column and release it.

4. Press [Save].

✓ The cash price and a product image have been assigned to a selection.

Activation times tab

Functions:

- Free sale on/off
- Happy hour on/ off
- Locked on/ off
- Youth protection 16 on/off
- Age verification 18 on/off

In this menu, the functions are only switched on and off.

The times are programmed in tab 1 [Start menu] - [Time settings]

10.8.3 Menu [Test vend]

In order to check the sales process, the [Trial vend] function is available.

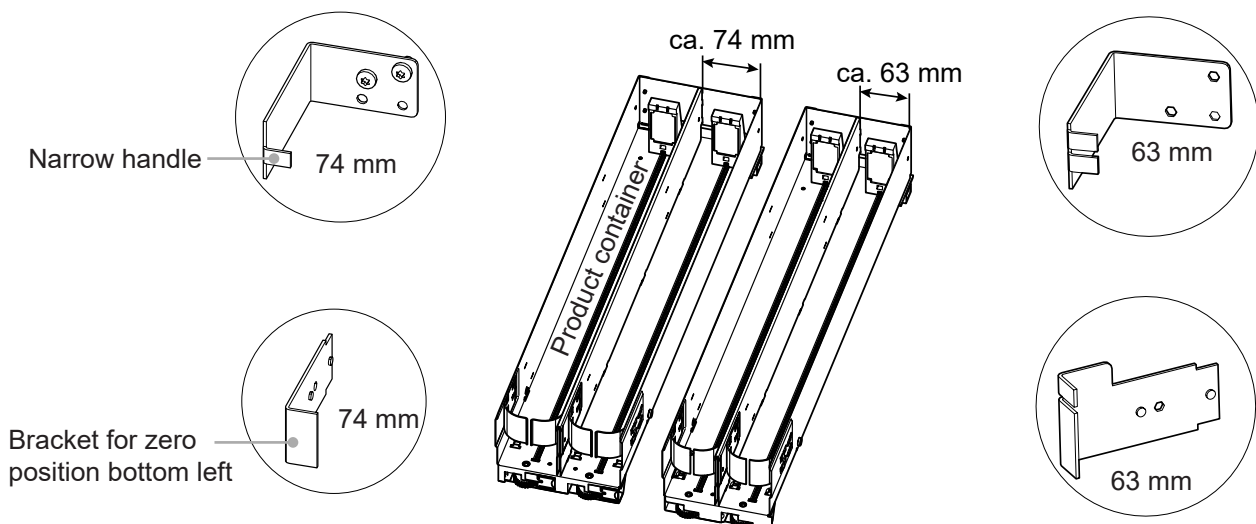
10.8.4 [Level configuration] (Level search)

When this menu is selected, the vending machine analyses the type, number and installation height of the drawers. You must always call up this menu if you have changed the layout of the vending machine (e.g. changing the installation height of drawers or the number of drawers in a shelf).

Each shelf must have a bracket (metal angle) so that the drawer is detected during level determination. The light barrier behind the product basket is guided past the brackets and can therefore determine the positions.

Standard drawer width 74 mm: 9 drawers on one shelf

Optional: drawer width 63 mm: 10 drawers on one shelf



10.8.5 [Lift calibration]

During lift calibration, 3 positions are automatically approached and the lift position is checked via the gear self-aligning bearing.

Lift calibration is generally necessary both for a new machine and for an older machine. New units are calibrated at the factory. However, lift calibration may be necessary due to the transport and installation processes.

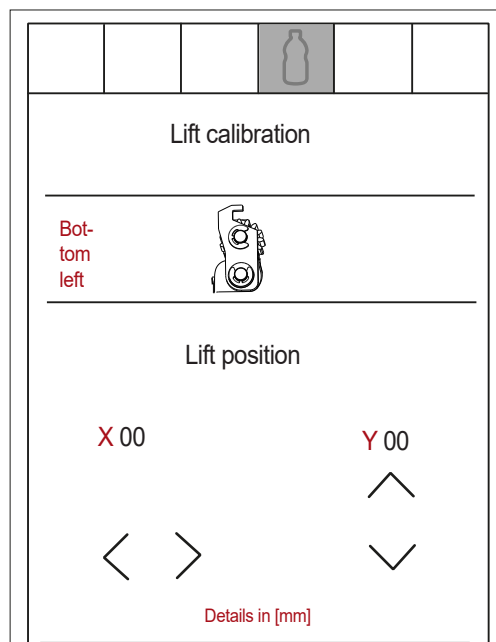
To do this, remove the product basket so that you can see the point where the gear self-aligning bearing is attached. See sec. "8.6 Removing and cleaning the product basket" on page 29.

Requirements

- Push the product pusher of the 3 listed product containers all the way back by hand.
- Service key

Procedure

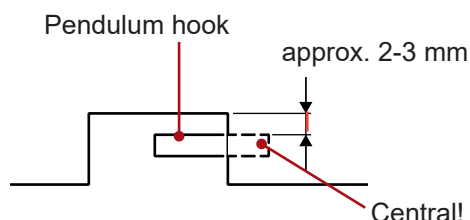
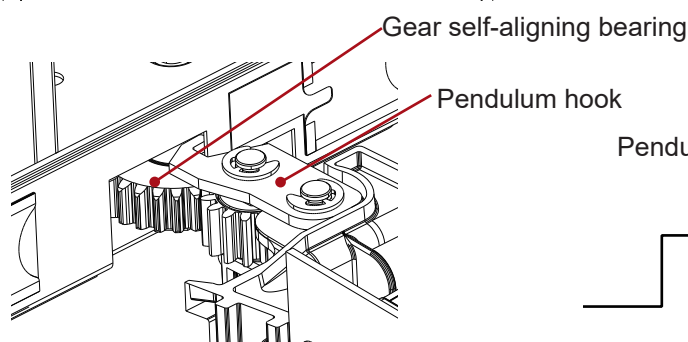
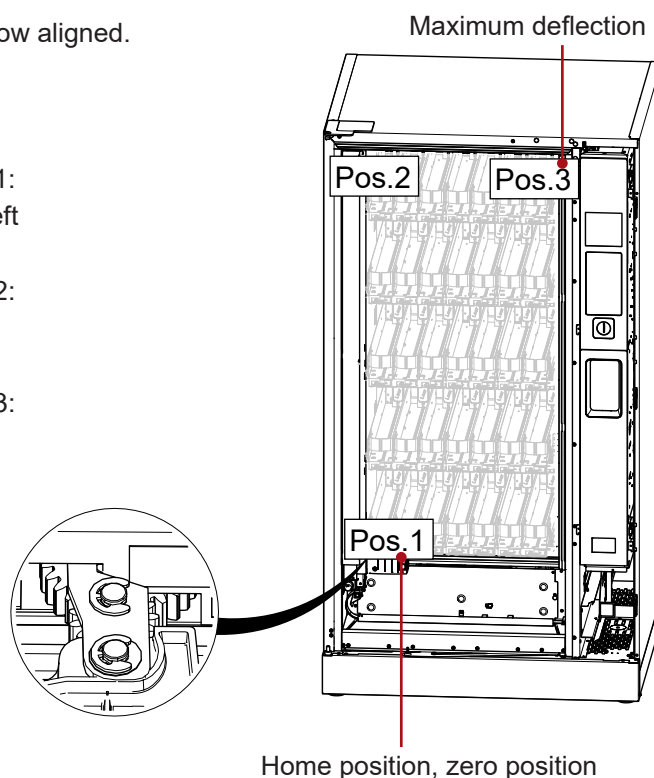
1. Press tab 4 [Products].
 2. Press [Level configuration] and then [Lift calibration].
 3. Insert the service key.
 4. Keep your distance from the lift arm because it starts suddenly.
 - Position 1 is approached and the pendulum hook is hooked in.
 5. Check the position in the X and Y directions and use the up/down arrows or right/left keys for correction.
 6. Press [Next].
 - Position 2 is approached and the pendulum hook is hooked in.
 7. Repeat the operations until the process is complete.
 8. Finally, reinstall the product basket.
- ✓ The lift for dispensing products from the containers is now aligned.



Position 1:
Bottom left

Position 2:
Top left

Position 3:
Top right



10.8.6 [Youth Protection]

The [Youth protection] menu offers the option of subjecting products to a higher or lower age check. You can also activate time profiles.

An appropriate validator that supports this function must be installed.

Age verification

Functions

Age 1

16 years

Age 2

18

Allow identification before selecting

☐

Allow money acceptance on a flat rate basis

☐

Activation timeout 20 sec

Youth protection active

☐

Age verification mode 1

off

Age verification mode 2

off

Abort

Save

[Age 1]	Here you can set the age to be tested between 16 and 24 years. You can change [Age 1] and [Age 2] by selecting the age and then adjusting it with the up/down arrow.
[Age 2]	
[Allow identification before dialling]	Default [off] With option [on], proof of age is also accepted without a prefix. Requirement: the option [Activation timeout] is active and [Age 1] is equal to [Age 2].
[Allow money acceptance on a flat rate basis]	Select [on] to generally allow credit acceptance. If youth protection is active, credit acceptance is only permitted after pre-selection.
Activation timeout	Default: 20 sec. This time remains for the buyer to select a product with active youth protection after successful proof of age.
Youth protection active	You can generally switch youth protection on and off here.
Age verification mode 1	Age 1 [off], [on], [time-controlled]
Age verification mode 2	Age 2 [off], [on], [time-controlled]

Example: Age verification mode 1 [time-controlled]

Age verification mode 1 time-controlled

Weekdays with age verification 1

Mon

Tue

Wed

Thu

Fri

Sat

Sun

20:59 - 23:59

19 58

20 59

21 00

22 58

23 59

00 00

Abort

Save

- Select the days of the week for which the times should apply. [Mo] stands for Monday
- You can select or deselect each day of the week individually.
- In the display:
weekday grey/black = not selected
- Weekday white/ green background = Selected

10.8.7 [Alternative motors]

If a selection is empty, this function can be used to dispense from another selection. For this, one and the same product must be divided among several selections so that this function can be used.

This ensures uniform sales.

The order of dispensing from the combined selections is alternating.

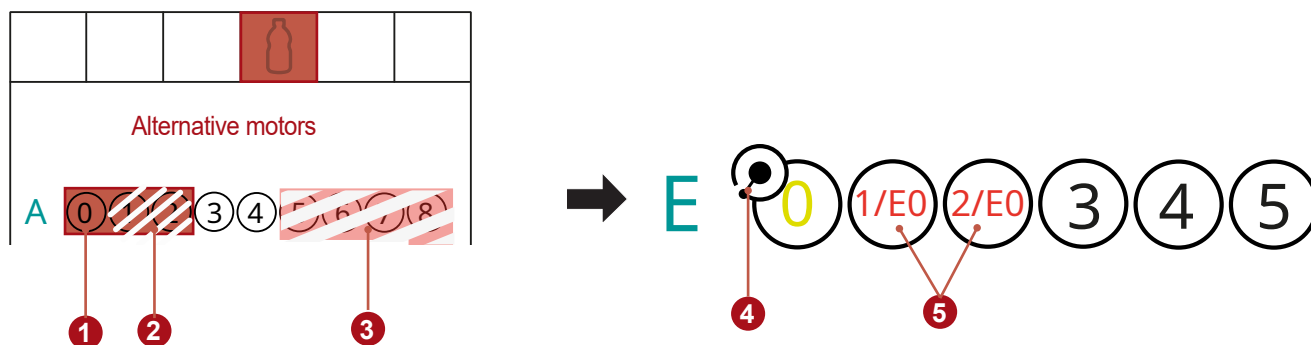
The function [Alternative motors] is not related to [Coupling motors].



Determining alternative motors

Procedure

1. *Make the first selection*
→ highlighted in green
2. *Make the second selection*
→ shaded green
3. *Make the third selection (etc.)*
→ shaded green
- ✓ The selections are linked



- 1 Selection E0 green background
- 2 Selection E1 and E2 with green hatching: these are logically linked to selection E0
- 3 Red hatching → Selections are not available
- 4 Symbol for the leading selection (here E0)
- 5 1/E0 means: selection E1 is connected to E0
2/E0 means: selection E2 is coupled with E0

Undoing alternative motors

Procedure

1. *Tap the leading selection* .
→ All linked selections are displayed
2. *Tap on the selection to be undone*
→ The display changes (green hatching becomes black/white again)
3. *Press [Save]*
✓ A selection is now decoupled

10.8.8 [Deal function]

In this menu you can combine two products to offer them to the customer as a menu suggestion. Usually a snack item is combined with a drink.

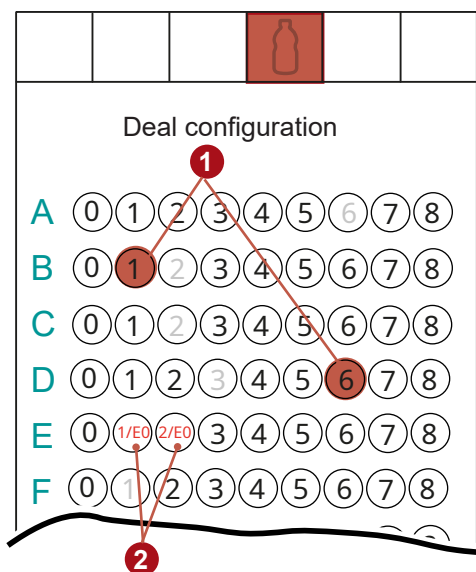


Procedure

1. *Make the first selection*
 2. *Make the second selection*
- [Deal is complete] is displayed
3. *Press [Next].*

Notes

- Products are dispensed in the order of programming. This is important to note so that delicate products are not damaged by subsequent heavier products in the dispenser.
- Prices, product images and activation period must be set for this deal. See “10.8.1 [Configuration]” on page 38.
- A name must also be entered.



1 [Add new deal] and then put selections B1 and D6 together, for example.

2 The red lettering 1/E0 indicates the [Alternative motors] function. To add this selection in a deal, selection E0 must be used!

10.8.9 [Levels]

In this menu you can assign a defined filling quantity to each selection. The control unit can deduct the sales made from this filling quantity.

After filling, the filler has the option of correcting the number of products in the drawers.



Activating [Levels]

Procedure

1. Press tab 4 [Products]
2. Press [Advanced Configurations]
3. Press [Levels]
4. Switch on [Deactivate levels] (pusher on)
5. Press [Save]

- ✓ The levels are counted by the control unit. The filler is asked about completeness after filling and has the option to correct.

Enter the maximum value for the filling level (Filling quantity)

Procedure

1. Press tab 4 [Products]
2. Press [Advanced Configurations]
3. Press [Levels]
4. Select a product, i.e. a selection or a multiple selection
5. Press [Set maximum value]
- A numeric keypad is displayed
6. Enter the maximum value
7. Press [Save]

- ✓ The maximum value of products for selection has been entered. The control unit can now calculate correctly.

Correct filler level

Procedure

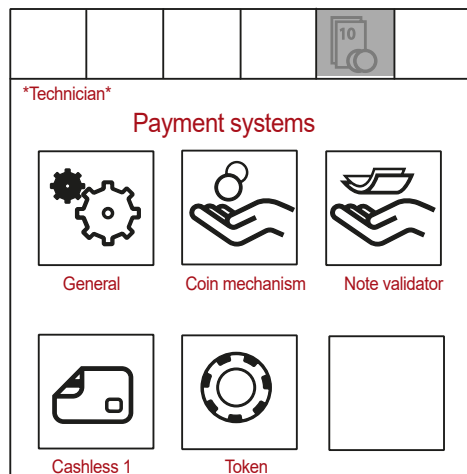
1. Press tab 1 [Start menu]
2. Press [Maximise fill levels]
3. Make a selection
- Plus and minus buttons are displayed
4. Correct the maximum value using the plus and minus buttons
5. Press [Save]

- ✓ The absolute placement of products is now communicated to the control unit.

Correct levels									
A	0	1	2	3	4	5	6	7	8
A6: Water									
5						+			
						-			
Abort					Save				

10.9 Tab 5 [Payment systems]

The menu tab 5 [Payment systems] is set up for coin mechanisms and note validators, as well as contact, contactless and cashless systems.



You will find the following submenus here:

- [General]
- [Coin mechanism]
- [Note validator]
- [Cashless]
- [Token]

10.9.1 [General]

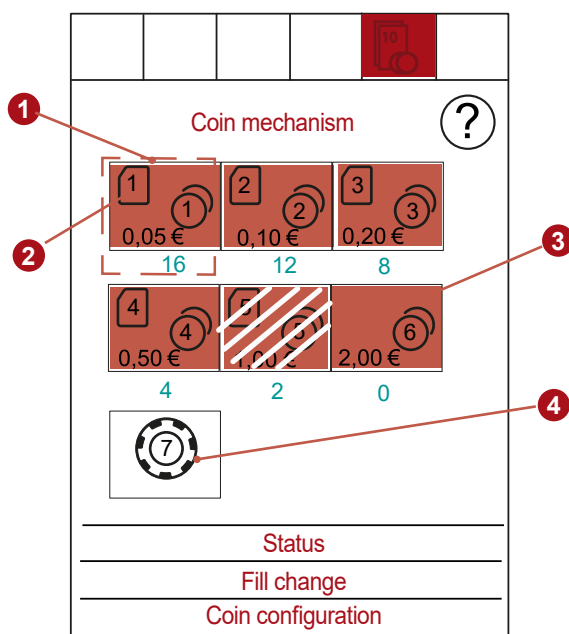
In this menu you will find the most important functions when you install a coin mechanism. Select the [Credit system protocol] submenu to choose a communication protocol [MDB], [BDV] [Executive] or [Free sale].

Credit system protocol	Here you must select the preferred protocol for communication between the credit system and the vending machine control. [MDB], [BDV] [Executive] or [Over-the-counter]
Currency	Here you can select the displayed currency. The currency of the MDB devices must match the currency of the vending machine. If not, the MDB unit is rejected. The option [Ignore Currency] allows MDB devices with a different currency to be tolerated.
[Currency code]	The code 978 stands for the European Monetary Union
[Decimal places]	Number of decimal places of the currency
[Autom. Configuration]	Automatic configuration [on]: these are set as suitable if [max. Change] [Acceptance limit] and [Credit timeout] are set to 0
[Preselect time]	Time after product selection to insert money or, in the case of youth protection, to show the age.
[Multivend]	After a purchase transaction, the remaining money is not automatically paid out but shown as a credit on the display. The customer has the option to choose a new product. Money is returned at the touch of a button or [Credit timeout].
[Max. money return]	The maximum money return can be set.
[Compulsory purchase]	If activated and the credit is greater than or equal to the minimum product price, the remaining money is only returned after a sale or, depending on the configuration, after a dispensing error. In practice, at least one product must be purchased before a repayment is made. This prevents misuse of the machine as a coin mechanism.
[Compulsory purchase money return empty selection]	If active, the [Compulsory purchase] option is cancelled after an empty selection
[Compulsory purchase money return timeout]	If active, [CreditTimeout] will cancel the [Compulsory purchase] option. The remaining money is then automatically returned after a certain time.
[Acceptance limit]	Here you can set the maximum amount that will be accepted. If the amount set here is reached, the acceptance of further cash is blocked.
[Happy hour]	Select here whether you generally wish to create a [Happy hour].
[Price list 1]	Select here whether you generally wish to create a [Price list 1].
[Price list 2]	Select here if you want to assign [price list 2]
[Motor return]	If the machine has a motorised return, you must switch this function on.
[Display no change money]	The [EXACT MONEY ONLY] indicator is disabled. This setting is necessary if it is not possible to give change.
[Ignore currency]	The currency of the MDB devices is tolerated, even if they do not match the currency of the vending machine.
[Credit timeout]	Time after which remaining money is returned if no purchase transaction takes place
[Change lock]	This option can be set to prevent the machine from being used as a money changer. The limit above which no more change is made can be set from 0 to 255 coins. Only the amount of coins thrown in counts, not the value.

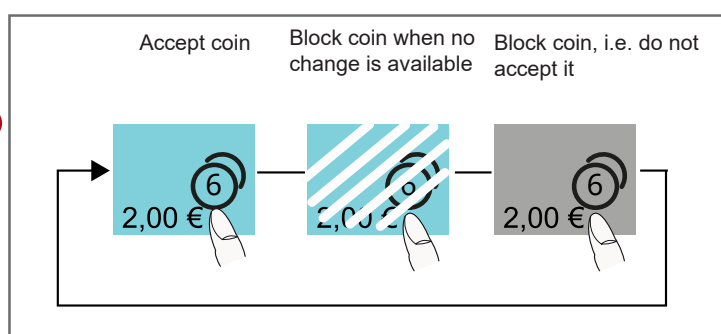
10.9.2 [Coin mechanism]

If a coin mechanism is installed and connected, you can fill the change, check the status and configure the coin mechanism here. Also observe the manufacturer's operating instructions.

Select [Status] if you wish to receive information. Use [Filling change] to move on if you wish to fill up coins. In [Coin configuration], special settings are made for the payment mode.



- 1 Tube arrangement icon
- 2 Tube coin symbol
- 3 Cash box coin: i.e. the 2 Euro coin goes in the cash box
- 4 Token example



10.9.2.1. [Filling change]

- When filling the machine for the first time, a few coins must be inserted into each coin tube (safety coins, sleeping coins). The number of coins remaining depends on the coin mechanism used and usually varies during operation.
- Select the [Filling change] menu and drop the coins into the slot at the front of the machine. The display shows the number of inserted coins reported by the coin mechanism.
- Once the coin mechanism has registered the minimum number of coins, the coin mechanism notifies the control board that it is "ready to use". If there is insufficient change, the following appears in vend mode: [No change]
- As a rule, not all coins are issued. The security coins (sleep coins) remain in the coin mechanism.

10.9.2.2. [Status]

When the status is [active], the coin mechanism reports the [version] and the [serial number] to the control unit. The [MDB] protocol must be set for this. If the status is [inactive], there is no information from the coin mechanism, the fields remain empty.

Coin mechanism with tube level sensor

With newer coin mechanisms, pre-filled tubes can be used. In this case, the controller must be informed that the tube stands have changed. The command [Accept payment system values] in the [Actual value] tab in the sub-menu [Coin configuration] updates the new coin level. Now press [Save].

10.9.3 [Coin configuration]

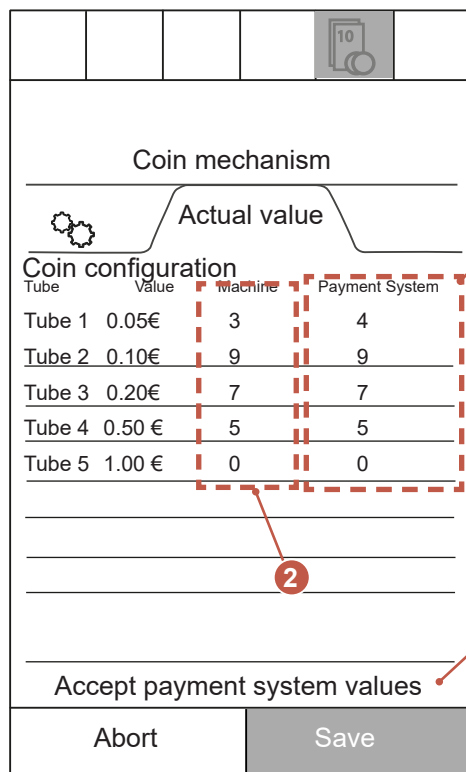
Coin configuration tab

Here you have the option to set the following:

[Alternative payout]	Activate secure payout mode with confirmation of the coins paid out, if the coin mechanism supports this function. The denomination is determined by the coin mechanism.
[Accept coins for charging only]	If active, coins are only accepted if a chargeable card is present and coins are generally active.
[No change: accept to charge anyway]	If active and no change is available, the coin with the number x is accepted if the coin is generally active and its value can be charged. Coin numbering results from the sequence of coins reported to the MDB. (x=1....16)
[Coin mechanism active]	If you are using a coin mechanism, you must select [on]
[No change: still acceptable if returnable]	If active and no change is available, the coin with the number x is accepted if the coin is generally active and its value is returnable. Coin numbering results from the sequence of coins reported to the MDB. (x=1....16)
Reset to factory settings	Sets [Coin mechanism active] and [Alternative payout] to "on" and the remaining options in this tab to "off".

[Actual value] tab

- Here you will find an overview of the number of coins in the tubes, determined by the coin mechanism and the control unit. The column is called [Machine] and [Payment system] in the [Actual value] tab.
- If you press the [Accept payment system values] key, the values are accepted accordingly.



Coin mechanism			
Actual value			
Coin configuration			
Tube	Value	Machine	Payment System
Tube 1	0.05€	3	4
Tube 2	0.10€	9	9
Tube 3	0.20€	7	7
Tube 4	0.50 €	5	5
Tube 5	1.00 €	0	0

Accept payment system values

Abort Save

- The right column payment system is reported via MDB for newer coin mechanisms. If the tubes have been filled by hand, the coin mechanism recognises this when the tubes are reinserted.
The command [Accept payment system values] updates the new coin balance. This can take a few seconds.
Then press [Save]
- The left column shows the tube fill level as it is available to the control unit.
- [Accept payment system values] button
It may take a while until the correct values are displayed.

10.9.4 [Note validator]

If you wish to use a note validator, you must make settings in this menu.

Technician

Note validator

1

5,00 €

16

2

10,00 €

5

3

20,00 €

2

4

50,00 €

0

Status

Note configuration

Abort

Save

Note validator

Note configuration

High-security notes

Accept notes for charging only

No change: accept for charging anyway

Note validator active

Cash box cache active

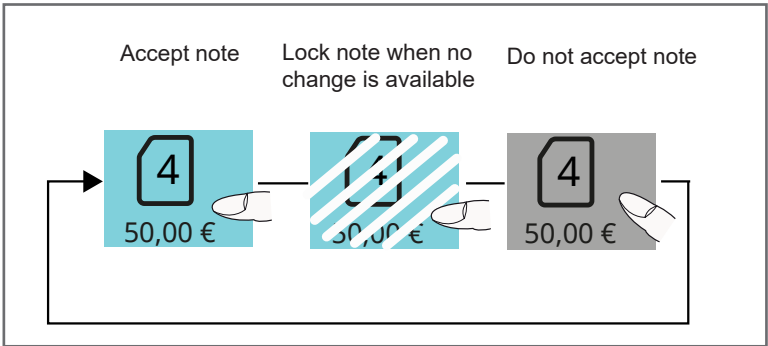
No change: accept anyway if returnable

Note changer active

Reset to factory settings

Abort

Save



[Note configuration]

[Accept notes for charging only]	If active, notes are only accepted if a chargeable card is present and the notes are generally active.
[No change: accept to charge anyway]	If active and no change is available, the note with the number x is accepted if the note is generally active and its value can be charged.
[Note validator active]	If you are using an MDB note validator, you must select [on]
[Cash box buffer active]	The note from the buffer can either be accepted or returned. The settings are [hold] and [stack].
[No change: accept anyway if returnable]	If active and no change is available, the note with the number x is accepted if the note is generally active and its value is returnable.
[Note changer active]	If you are using an MDB note changer, you must select [on]

[High security notes]

[High security note1]	With high security activated, the note x is only accepted if it has a high match with the learned note features.
Note2: etc.	
[Cancel]	Press this button to go back one level without saving.
[Save]	If you have made changes in this menu, you must exit the menu with [Save].

10.9.5 [Cashless 1] [Cashless 2]

At the vending machine, a distinction is made between the first payment system [Cashless 1] and the second payment system [Cashless 2].

[Age verification protocol]	You must switch on this function if the payment system can determine and report the cardholder's age.
[Conversion factor]	Conversion factor for monetary values: All monetary values to and from the map are converted with the factor.
[Charging prohibited]	If active, charging to card is prohibited. If charging is allowed, charging can only be done automatically if mixed payment with cash is prohibited.
Cashless1 active	Here you can switch the function on and off.
[Display]	Messages from the card system are shown in the automatic display. Default [off]
[Enable always idle]	Activates the always idle functionality, if supported. Therefore, for example, a sales enquiry can be started without an existing card.
[Enable data entry]	Without function
[Enable expanded currency]	Activates the expanded currency functionality, if supported.
[Enable FTL]	FTL stands for File Transfer Layer Activates, if supported, the FTL functionality for data exchange between MDB units and/or the vending machine control unit
[Enable negative vend]	Not significant.
[MDB level]	MDB level (1,2,3) Set the level of MDB communication with the card system. The card system also responds with a level and the smaller of the two is the basis for further communication.
[Acceptance mode]	For receipt acceptance, the card scheme must deliver a fixed card credit, which is then treated as a value token. If necessary, mixed payment must be allowed.
[Mixed payment cash prohibited]	Prohibit mixed payment with cash: If active, mixed payment of card system 1 with cash is not allowed.
[Mixed payment cashless prohibited]	Prohibit mixed payment with other card system: If active, mixed payment of card system 1 with another card system is prohibited.
[Happy hour price list]	Allow HappyHour price list: If permitted, at happy hour the sales price is determined via the happy hour price list. If not, this is done by means of the standard price list.
[Mixed payment price list]	Allow standard price list for mixed payment: If permitted, the standard price list will be used for mixed payments. If not, the cash price list or, if active and permitted, the happy hour price list will be used.
[Standard price list]	Standard price list: Sets the standard price list for the card system. Medium as the standard price list allows a card to determine the price list. If this is not active, the cash price list is used as a basis.
[Delete credit after refund error]	Reimburse chargeback errors of the card system: Some card systems cannot refund the previously debited sales price after an empty selection/dispensing error. If allowed, the cash credit is increased by the amount of the sales price.
[Vend request timeout]	Response time of the card system to sales request: The maximum of the ApplicationMaximumResponseTime of the card system and the response time is taken.

10.9.6 [Token]

If you wish to use a token, you must carry out the settings for it in this menu.

There are 2 tabs in this menu:

- Configuration tab
- Value tab

1 With the [Token identification] key you can insert the token and the coin mechanism analyses and parameterises the token.

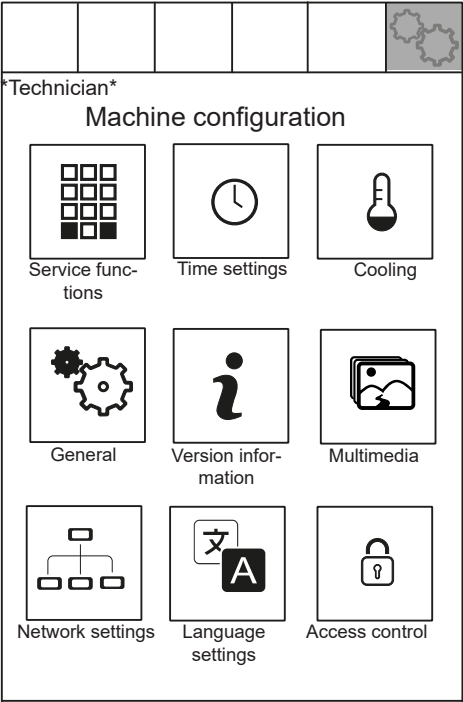
2 Assign the value to the token. If the token receives a value of 0, it is recorded as a vend token (free sale).

Token

Coin token	Recorded in the coin mechanism
Note token	Recorded in the note validator
Vend token	Allows a free sale
Value token	A monetary value must be assigned

[Note token active]	If active, note tokens are allowed. Otherwise, these are prohibited, even if they are activated in the note acceptance.
[Additional payment(cash) allowed]	The value token can be used together with cash
[Co-payment(Cashless) allowed]	The value token can be used together with a card system. The option of mixed payment with cash must be allowed. See chap. "10.9.5 [Cashless 1] [Cashless 2]" on page 50
[Cashless 1 token active]	If enabled, a vend token from the card system 1 is permitted. Otherwise, if vend tokens are reported, the sale is not approved and the card is reported as an error.
[Cashless 2 token active]	If enabled, a vend token from the card system is permitted. Otherwise the sale will not be authorised for registered vend tokens and recorded as an error on the card.
[Coin token active]	If active, coin tokens are allowed. Otherwise, these are prohibited, even if they are activated in the note acceptance.
[Multiple value tokens allowed]	Multiple value tokens are allowed

10.10 Tab 6 [Machine configuration]



You will find the following submenus here:

- [Service functions]
- [Time settings]
- [Cooling]
- [General]
- [Version information]
- [Multimedia]
- [Network settings]
- [Language settings]
- [Access control]

10.10.1 [Service functions]

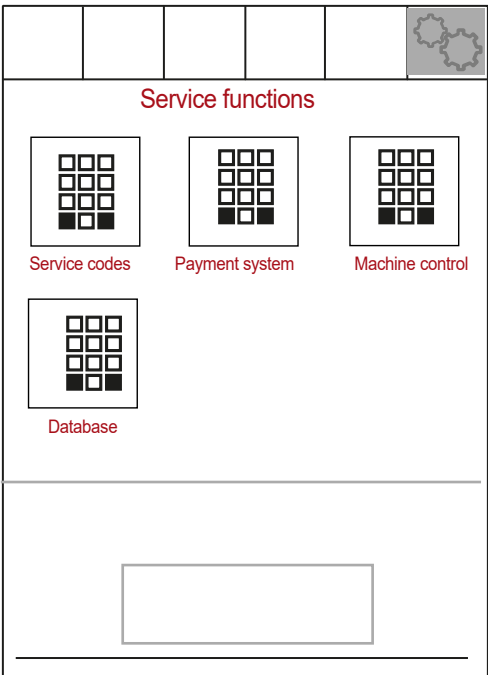
For the service technician/operator only

- Automated components can be controlled directly. The service functions support you in troubleshooting or maintaining the machine. The service work must be carried out with the machine door open, the service key must be inserted.
- Service numbers are divided into categories: M, double M and L functions.
- M functions are used for testing the control board outputs which communicate with a motor or similar actuators.
- L functions display a value.



DANGER! Risk of injury

Danger of moving parts in the vending machine. Do not reach into the machine when performing service functions!



[Service codes]	In this submenu you can enter service functions directly. Enter the service function and the suffix (L, M or double M). Then perform the service function by tapping [Send]. The service function can only be performed if the control unit recognises the service function.
[Payment system]	Only the service functions that relate to the payment system are displayed with their number and name.
[Control unit]	Only the service functions that relate to the control unit are displayed with their number and designation.
[Database]	Only the service functions that refer to the database are displayed with number and designation.

10.10.2 Time settings



The following pages can be selected by swiping horizontally on the display.

[Activation times]

Lighting, ecomode, closing times, HappyHour, free sale can be [on], [off] or [time-controlled] here

[Time settings]

Setting the time

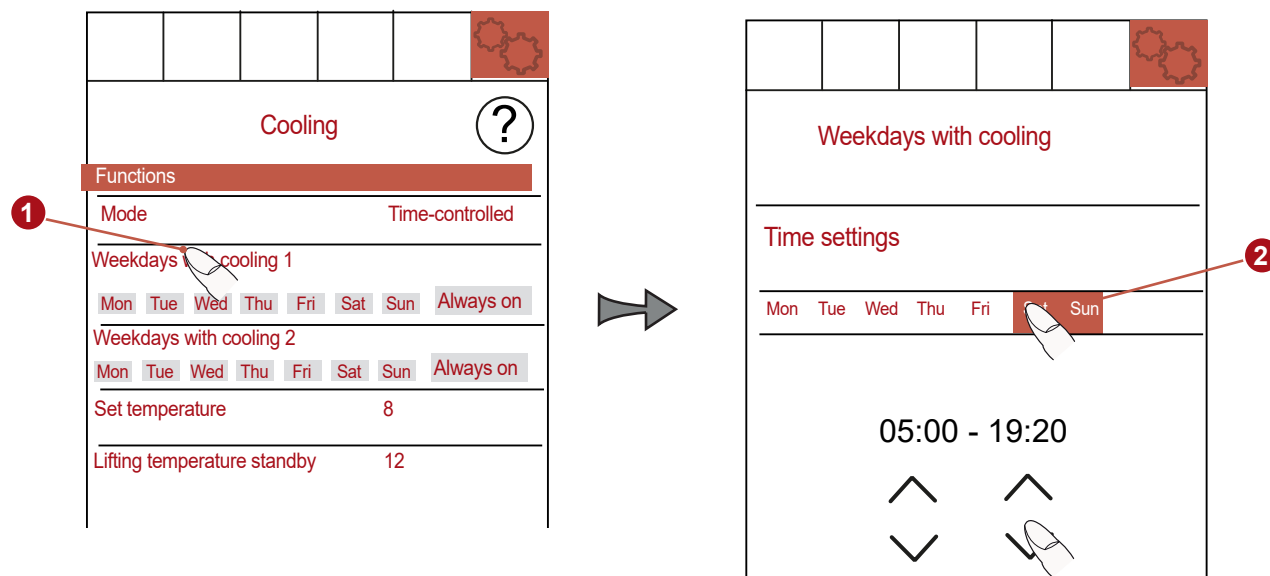
[Time zone]

Select the desired time zone at the installation site.

Time zones
Time settings
Activation times

10.10.3 [Cooling]

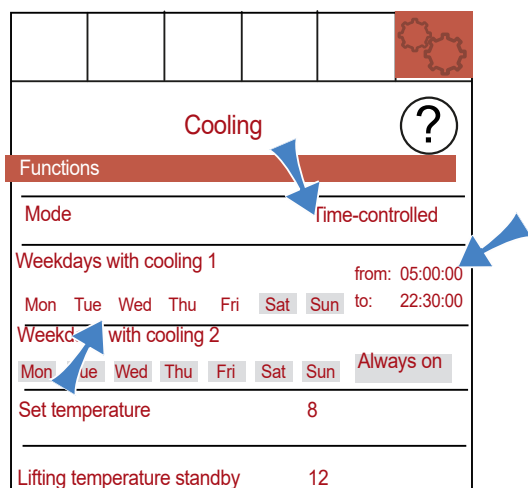
Here you can switch the cooling on and off permanently or operate it time-controlled at .
If you select [time-controlled], you must first tap the line [weekdays with cooling 1].



- 1 Select [Weekday with cooling 1]
- 2 In the following menu, you can tap and select each individual day of the week [Mon] [Tue] [Wed] [Thu] [Fri] [Sat] [Sun]. Then set the times at which cooling 1 is to be switched on using the arrow up/down keys (set temperature). Outside these times, the lifting temperature applies. Press [Confirm] to save your setting.

Note display:

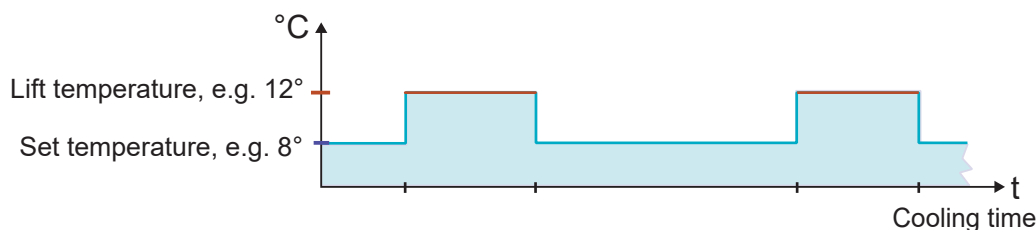
green background - weekday selected
black background - weekday not selected



The setting shows the following:
From 5 to 22:30 Monday to Friday the chiller unit is switched on with a temperature of 8°C
Outside these times the temperature will rise to 12°C.

Over midnight (24:00)

Two times must be programmed, e.g.:
21:45 to 24:00
00:00 to 07:00





10.10.4 [General]

[General] ☒ ☐ ☐ ☐	
[Serial number]	The [serial number] is entered in the factory.
[MACHINE NUMBER]	Here, a separate number can be assigned to the vending machine.
[Machine type]	Leave the factory setting.
[Machine shaft configuration]	Leave the factory setting.
[Machine version]	Leave the factory setting.
[Max. hours until the next mandatory cleaning]	Here a counter counts down to zero.
[Time limit product output]	Sets the time window for the product dispensing. This allows any fault in the lift system to be detected.
[Section type]	Keypad selection or direct selection See "10.1 Selection types" on page 32
[Line number of direct number]	-
[Column number of direct number]	-
[Fill mode of the selection pictures]	Cropping or adapting
[Show product texts]	Display the product texts (if available)
[Show product prices]	Switch the price labelling of the products on or off.
[Hotel mode]	Product delivery only for customers with access code
[Access code for hotel mode]	Enter access code here
[Preset time for hotel mode]	Time after entering the access code
[Service counter]	Decrement with each sale made
[Service counter reset value]	Absolute value until a note on service appears
[Service telephone number]	Store the telephone number here that is shown in the display in the event of faults.
[Service telephone number 2]	Store another telephone number here that is shown in the display in the event of faults (formerly RZ - Rechenzentrum/data centre).
Minutes until automatic exit from the service menu	Default: 5 minutes
Dispensing drum product recognition	Switch on/off
Product basket	Switch on/off
[Helix overrun]	Switch on/off
[Temperature display]	Switch on/off
[Public mode]	This function is switched on when the vending machine is placed in a public area and the HMI for selecting is deactivated and an extra keypad with 12 keys is installed. Selection for the customer is performed via the keypad with 12 keys.
[Take the machine out of operation in the event of a cooling error]	Switch on/off

[Display/ illumination] ☐ ☒ ☐ ☐	
[Display brightness]	Adjust the brightness of the display
[Brightness product lighting door closed]	Indication in %
[Product lighting door open]	Switch on/off
[Brightness product lighting door open]	Indication in %
[Design lighting]	[On] [Off] [Time-controlled]
[Weekdays with lighting 1]	[On] [Off] [Time-controlled]
[Colour change]	Type of colour change
[Colour change interval]	Time between colour changes
[Number of colour changes]	Choose the number of colours
[Colour 1]	Set the desired colour on the displayed colour gradient

[HMI / communication] ☐ ☐ ☒ ☐	
[DDCMP I/O Status]	Read/write only when door open
[DEXUCS I/O Status]	Read/write only when door open
[Maximum baud rate]	Default 115200

[HMI / REST API] ☐ ☐ ☐ ☒

Interface to execute functions of the reverse vending machine via a network or to query statuses. Integration of external software solutions and customisation of existing applications possible.

- Current API documentation is available at <https://developers.sielaff.de>.
- Access data can be requested by emailing support-rest@sielaff.de.

10.10.5 [Version information]

This menu is for information purposes only.



[HMI hardware]	e.g. armv71
[HMI kernel]	for programmers only
[HMI software version]	Revision number of the software

10.10.6 [Multimedia]



In this menu, images are transferred from an inserted USB stick to the machine.

Slideshow

The thumbnails are moved from the left column to the right column via "drag and drop". The images in the right column are displayed according to the [Slideshow settings]. Images that are not needed are stored in the rubbish bin  and therefore deleted.

Product images

Touch the copy icon  →  to transfer the images to the machine.

The images stored here are made available in the [Configuration] menu to place product images, selection images and info images on the selections. See "10.8.1 [Configuration]" on page 38.

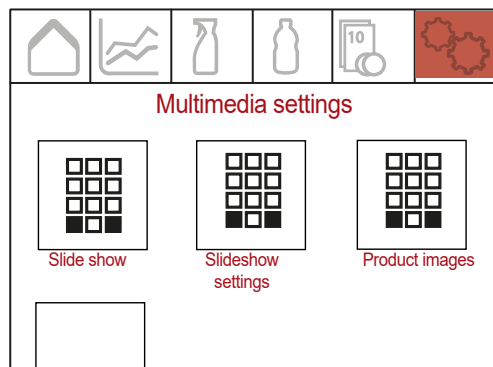
Creating a folder on the USB stick:

Create a new folder on the USB drive letter in Windows Explorer and name it "HMI".

Open the HMI folder.

Create another folder in the HMI folder and name it "Media".

Then copy the pictures into the MEDIA file (Pfad: \HMI\Media\).



[Slideshow]	When the machine is idle, photos or videos are displayed.
[Slideshow settings]	Set display duration and time until change
[Product images]	The images of [available media] and images [product images] located on the vending machine are managed here.

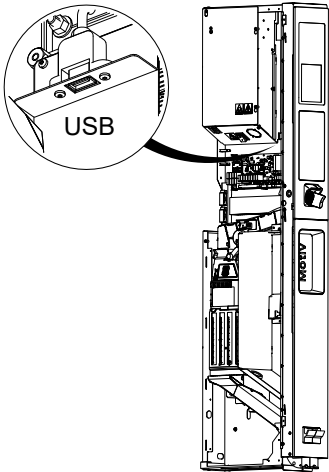
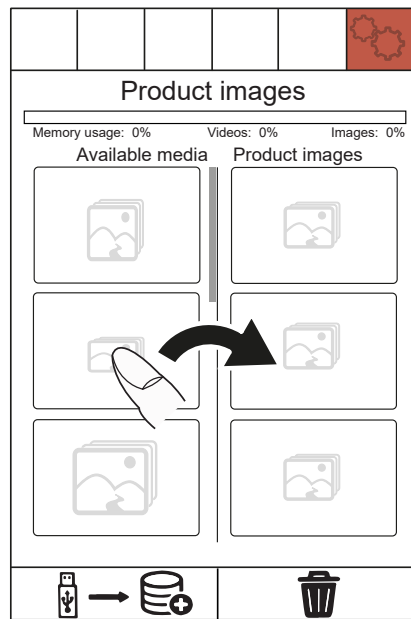


Image properties

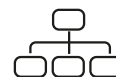
File formats: jpg, png
Size of slideshow images: 480 x 800 px
Size of product images: 400 x 400 px
Size of selection images: 230 x 270 px (2x2), 150 x 150 px (3x3)
Size of information images: 380 x 380 px

Video properties

File format: mp4
Codec: h264 25 fps
Size: 480 x 800 px

10.10.7 [Network settings]

eth1 192.168.xxx.xxx



Select [eth1] and then [Forward]

You can edit the following [Network settings]:

- IP address
- Broadcast address
- Gateway address
- Network mask

10.10.8 [Language settings]



You will find 3 tabs here to set the languages:

[Customer menu] tab

In the [Customer menu], the operating language for the sales mode is set. This is symbolised by the flag at the top of the display. Below that, there are other languages to choose from.

After selecting another language, you must finish with [Save] and [Apply].

[Service menu] tab

In the [Service menu], the operating language for the operator or the service technician is set.

[Active languages] tab

The [Active languages] tab concerns the languages that are temporarily available for sale.

They are located in the sales mode at the bottom left (see "Selection types"), symbolised by a flag, and can be selected by the customer.

You can switch on the active languages  or switch them off , accordingly they are either displayed to the customer or not.

10.10.9 [Access control]



TIP
Please note that [Access control] is switched off at the factory to allow the operator to set up the new machine. All menus are then displayed and available.

You can switch access control on or off:

Access control	Display
Switched off	[Activate access control]
Switched on	[Activate access control]

If you have activated access control, a code is requested for certain menus.
If the filler has forgotten the code, the operator with the higher rights must edit the filler's code.

Access control

Name	Role
Filler	Filler
Operator	Operator
Technician	Technician

Add

Remove

Edit

Activate access control

Back

Edit user

Name

Smith

Role

Technician

<>

Pin code

Enter pin code

a	b	c	d	e	f	g
h	i	j	k	l	m	n
o	p	q	r	s	t	u
<	v	w	x	y	z	>x
?123						[]

Abort

Save

- 1
- If you have activated access control, you can use the [Add] key
- 2
- Enter the name of the user here. The keypad is displayed below
- 3
- Use the right/left arrow keys to assign a role: Filler - Operator - Technician ...
The rights for these roles can be found on the next pages.
- 4
- Set the code here; it must be 4 to 10 digits. Only when your user has been created correctly can you use the [Save] button.

Role table

Individual menu items may not apply to your machine.

Tab	Exit	Function	User	Filler	Operator	Technician	Sielaff
Role description			Without rights (At the beginning of the service menu)			Service technician from the customer	Sielaff technician with all rights
Start menu	Whole page	Navigation	1	1	1	1	1
	Full cleaning		0	1	1	1	1
	Test vend		0	1	1	1	1
	Module test		0	1	1	1	1
	Read out statistics		0	1	1	1	1
	Fill with change		0	1	1	1	1
	Show errors		1	1	1	1	1
	Switch EcoMode		0	1	1	1	1
Show statistics	Whole page	Navigation	1	1	1	1	1
	Summary of brief statistics		0	0	1	1	1
	Delete short statistics		0	1	1	1	1
	Sales (short term per selection)		0	1	1	1	1
	Total vends		0	0	1	1	1
	Journal		0	1	1	1	1
	Search		0	1	1	1	1
	Delete journal		0	0	1	1	1
	Data transfer	Read out statistics without reset	0	1	1	1	1
		Read out statistics with reset	0	1	1	1	1
		Read out journal	0	1	1	1	1
		Read out configuration	0	1	1	1	1
		Read out logs	0		1	1	1
		Read configuration	0	1	1	1	1
		SW update	0	1	1	1	1
	Cashing up		0	0	1	1	1
	Cleaning operations		0	1	1	1	1
	Tube stands		0	1	1	1	1
	Telemetry				1	1	1
Cleaning	Whole page	Navigation	1	1	1	1	1
	Screen cleaning		1	1	1	1	1
	Full cleaning SÜ		0	1	1	1	1

Product configuration	Whole page	Navigation	2	1	1	1	1
	Configuration		2	1	1	1	1
	Configure ingredients		2	1	1	1	1
	Level configuration		2	2	1	1	1
	Test vend		0	1	1	1	1
	Youth protection		2	1	1	1	1
	Alternative motors		2	2	1	1	1

Payment system configuration	Whole page	Navigation	2	2	1	1	1
	General		2	2	1	1	1
	Coin mechanism		2	2	1	1	1
	Note validator		2	2	1	1	1
	Cashless 1		2	2	1	1	1
	Cashless 2		2	2	1	1	1
	Token		2	2	1	1	1
	Hopper		2	2	1	1	1
	Printer		2	2	1	1	1

Machine configuration	Whole page	Navigation	1	1	1	1	1
	Service codes		2	2	1	1	1
	Date/time		1	2	1	1	1
	Cooling		2	2	1	1	1
	General		2	2	1	1	1
	Version info		1	1	1	1	1
	Multimedia		2	2	1	1	1
	Network settings		2	2	1	1	1
	Country settings		2	2	1	1	1
	Access configuration		2	2	1	1	1

Test vend	Whole page	Navigation	0	0	0	0	0
	Start sale		0	1	1	1	1
	Start sale (with credit)		0	1	1	1	1

Fill with change	Whole page	Navigation	2	0	1	1	1
	Empty all tubes		0	1	1	1	1
	Bring tubes to target		0	1	1	1	1

0 = Not displayed

1 = Full access

2 = Displayed but cannot be used (is greyed out)

10.1 Menu structure

Tab 1 [Start menu] 
[Run service code]
[Test vend]
[Diagnosis]
[Statistics transfer]
[Fill change]
[Maximise fill levels]

Tab 2 [Statistics/Data] 
[Summary]
[Sales]
[Total sales]
[Journal]
[Data transmission]
[Cash box closing]
[Cash statistics]

Tab 3 [Cleaning] 
[Screen cleaning]
[Overall cleaning]

Tab 4 [Products] 
[Configuration]
[Test vend]
[Level configuration]
Shelf look-up function
Lift calibration
[Youth Protection]
[Alternative motors]
[Deal configuration]
[Levels]

Tab 5 [Payment systems] 
[General]
[Coin mechanism]
[Status]
[Fill change]
[Coin configuration]
[Note validator]
[Cashless]
[Token]
[Tube inventory]

Tab 6 [Machine configuration] 
[Service functions]
[Time settings]
[Cooling]
[General]
[Version information]
[Multimedia]
[Network settings]
[Language settings]
[Access control]



TIP

Not all menu items can be selected all the time.

11. FAQ

Do you want to set the language?

- Tab 6 [Machine configuration] - [Language settings]:[Customer menu] [Service menu] [Active languages]

Do you wish to set up access control, i.e. activate it?

- Access control is switched off at the factory so that the customer can access all menus to set up the machine.
- Tab 6 [Machine configuration] - [Access control]: You must [Activate access control]

Do you want to switch off the cooling on the software side?

- Tab 6 [Machine configuration] - [Cooling]: You must set the [Mode] to [Off].

Do you want to change the temperature (set temperature) of the cooling?

- Tab 6 [Machine configuration] - [Cooling]: You have to change the [Set temperature].

Do you want to know the software version number?

- Tab 6 [Machine configuration] - [Version information]

Would you like to switch the vending machine to free sales

- Tab 5 [Payment systems] - [General]: In the menu item [Credit system protocol] you have to set [Free sale].

You do not want to display the temperature in sales mode

- Tab 6 [Machine configuration] - [General]: In the [General] tab, you will find the [Temperature Display], which you can switch on  or switch off .

You want to check the dispensing of a coin from the tube of the coin mechanism

- Tab 6 [Machine configuration] - [Service functions] and then select a tube and finish with [Send]

Would you like to set up a deal function? (e.g. a snack with drink)

- Tab 4 [Products] - [Advanced configuration] - [Deal configuration]
- See "10.8.8 [Deal function]" on page 44

How can images (product images, selection images, info images) be put onto the vending machine?

- Tab 6 [Machine configuration] - [Multimedia] - [Product images]
- See "10.10.6 [Multimedia]" on page 57

You want to use an IRDA stick?

- Use the service code [82M] to reset the passcode on the vending machine and then connect the vending machine to the IRDA stick.

12. Error messages

Yellow or red error messages

- As soon as the vending machine door is opened, the display changes from vending mode to the start menu. The filler or service technician can find important information here in the status window:
- Window highlighted in red: Machine out of operation
- Window has yellow background: Vending machine remains in operation, warnings are present

Example: [No payment system found]

In the following example, the error text [-EC 3001 -] is shown in red letters. The associated plain text [No payment system found] helps the filler or service technician.

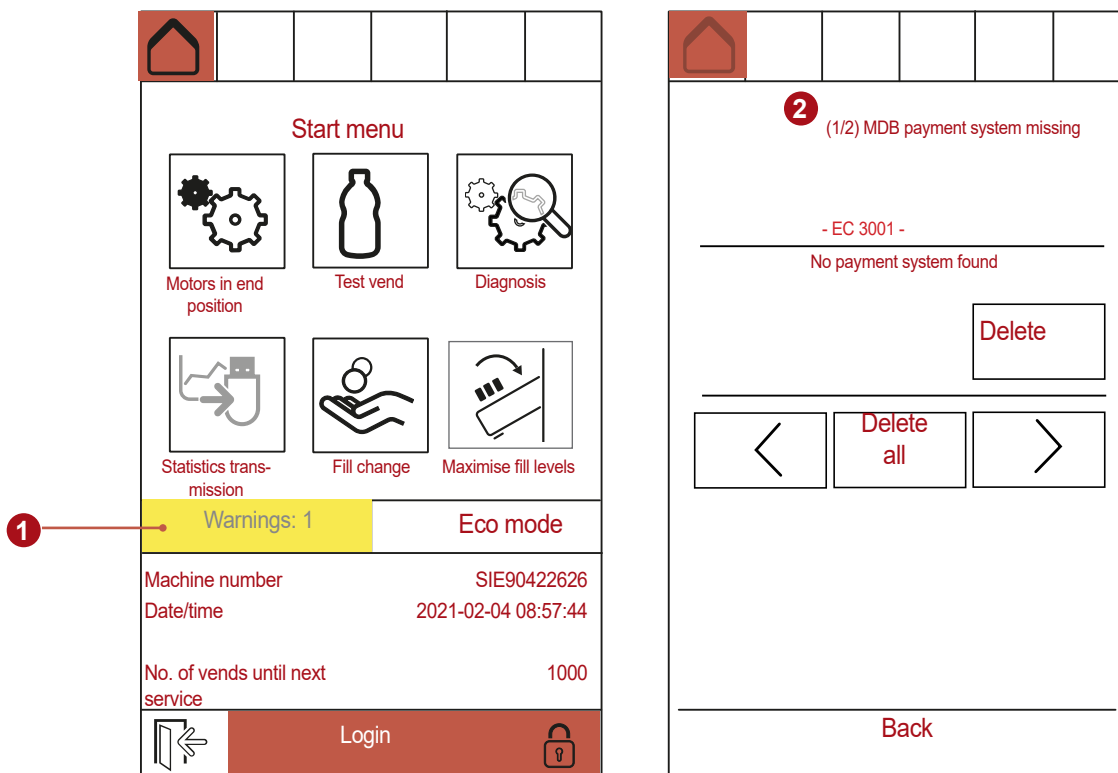
In the settings, [MDB] has probably been set but the coin mechanism has been removed. The software searches for communication with the coin mechanism via the MDB protocol but cannot find any. This is a serious error that must lead to the machine being stopped.

Requirements

- Logged in as operator or technician (highest rights).
- Install coin mechanism, connect MDB.

Procedure

- Tab 5 [Payment systems]
 - Press [General]
 - [Credit system protocol]
 - Set [MDB]
 - Press [Save]
- ✓ The payment system has been reported correctly.



- 1 Yellow error message
- 2 Error number, error text

13. Technical data

Dimensions:	H x W x D
GF SiLine L	1830 x 1130 x 880 mm
GF SiLine M	1830 x 990 x 880 mm

Weight:	approx. 360 kg
---------	----------------

Electrical connection:	220-230 V, ~ 50/60 Hz; min. 10 A
------------------------	----------------------------------

Power consumption:	max. 750 W
--------------------	------------

Ambient temperature:	5 - 32°C
----------------------	----------

Maximum sound pressure:	< 70 dB (A)
-------------------------	-------------

A-weighted emission sound pressure level at the workplace	$L_{pA} < 70 \text{ dB(A)}$
---	-----------------------------

Uncertainty:	$K_{pA} = 6 \text{ dB}$
--------------	-------------------------

The values were determined in accordance with EN 60335-2-75:2004+A1:2005+A11:2006+A2:2008+A12:2010 in conjunction with EN ISO 11202:2010. The sum of the noise emission value and the associated uncertainty represents an upper limit of the values that can occur in measurements

Software release	HMI 0.13.0
------------------	------------

Information on Regulation (EU) No 517/2014

Cooling	Output	Refrigerant	Filling quantity	GWP	CO2 equivalent
SKA 425 E	380 W	R-290	130 g	3	0.00039 t
SKA 427 E+H	380 W	R-290	130 g	3	0.00039 t
SKA 772 E	650 W	R-290	150 g	3	0.00045 t
SKA 773 E+H	650 W	R-290	150 g	3	0.00045 t
SKA 865 T	770 W	R-290	150 g	3	0.00045 t
SKA 866 T+H	770 W	R-290	150 g	3	0.00045 t

E - Energy-saving fan

H - Heating

T - Tropics

14. Storage, taking out of operation, permanent shutdown and disposal

Storage

The vending machine should be stored in a clean and dry location. Use a suitable cover to protect it from dirt, humidity and damage.

Remove products and leave the vending machine door ajar to allow moisture to escape.

Decommissioning

The vending machine can be taken out of operation temporarily.

- Remove the mains plug from the socket.
- Remove the products.
- Clean the drawers
- Leave the vending machine door ajar
- For details of how to put the machine back into operation, see Putting into operation.

Permanent shutdown

When the vending machine has reached the end of its service life, it is shut down permanently:

- If necessary, delete personal data from the machine.
- Remove the mains plug from the socket.
- Remove the mains cable.
- Remove and dispose of the batteries correctly.

Disposal

For correct disposal of the vending machine please contact our Customer Service on +49 9825 - 18 31 5102.

You can send the vending machine to the manufacturer (Herrieden headquarters, Germany) at your own expense. The manufacturer will ensure that it is disposed of correctly.

If you so wish, you can ask the manufacturer to provide details of appropriate waste management companies so that you can arrange its disposal yourself.



This symbol means that the marked product must not be disposed of together with household waste at the end of its life. Instead, it must be separated and taken to a collection point for the relevant type of waste. Please be aware that the details of the disposal procedure may differ in your country due to the regulations in force there.

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EU/EC Declaration of Conformity for Machines

Sielaff GmbH & Co. KG
Automatenbau Herrieden
Münchener Str. 20
D-91567 Herrieden

We, the manufacturer, hereby confirm that the vending machine type specified below complies to the EC directive for machinery and the EU directive to electromagnetic compatibility in its design and manufacture relating to health and safety requirements as well as in conformity on the ecodesign requirements for energy-related products and on restriction of the use of certain hazardous substances in electrical and electronic equipment.

Any modification without our prior written consent to the machine specified herein, will automatically invalidate this Declaration.

Description: Glas front vendor
Machine Type: GF ...

EU/EC directives applicable:

EC machinery directive: 2006/42/EC
 The following standards also apply:
 EN 60335-1:2012 + A11:2014 + A13:2017 + A1:2019 +
 A14:2019 + A2:2019

EU directive to electromagnetic compatibility: 2014/30/EU
 The following standards also apply:
 EN 55011:2016 + A1:2017 + A11:2020
 EN 55014-1:2017 + A11:2020
 EN 55014-2:2015
 EN 61000-3-2:2014
 EN 61000-3-3:2013
 EN 62233:2008

EC directive ecodesign: 2009/125/EC

EU directive RoHS: 2011/65/EU

The objectives of the low voltage directive 2014/35/EU will be fulfilled in accordance with Appendix I, no. 1.5.1 of machine directive 2006/42/EC.

Authorised representative responsible for the documentation:

Mr. Dipl.-Ing. Manfred Murr, Head of Development, Sielaff GmbH & Co. KG, Münchener Str. 20, D-91567 Herrieden.

Aufkleber für Seriennummer

Aufkleber für Typenschild

Herrieden, 02.01.2024
 Place, Date

Mr. Robert Zahn
 Managing Director

Mr. Dipl.-Ing. Manfred Murr
 Head of Development

SIELAFF GMBH & CO. KG
 AUTOMATENBAU
 Postfach 20
 91565 Herrieden
 Münchener Straße 20
 91567 Herrieden
 ☎ 0 98 25 / 18-0
 Fax 0 98 25 / 1 81 55
 Company stamp



Sielaff GmbH & Co. KG
Automatenbau Herrieden
Münchener Strasse 20
91567 Herrieden
Germany

Telephone: +49 9825 18-0
Fax: +49 9825 18-311155
export@sielaff.de
www.sielaff.com