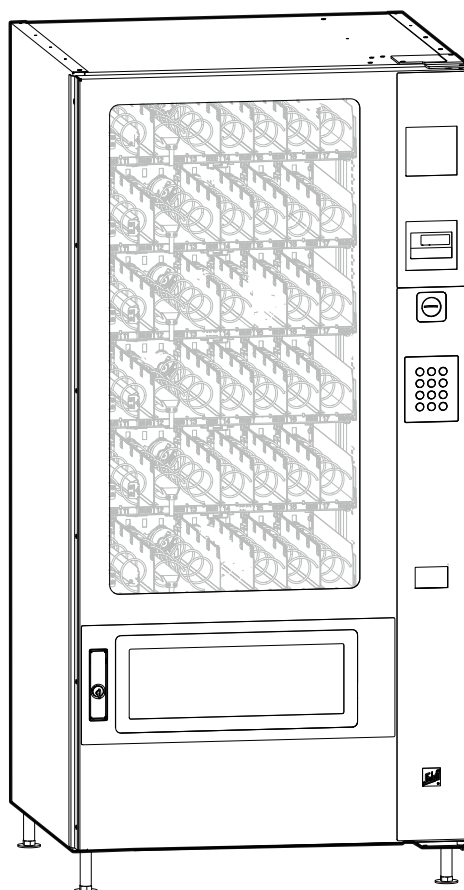




Original Operating Instructions

SN 48 EB03; SN 48 RB03



en

11.06.2024

339 67 020 11 _ 061



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1. General

Modifications

The texts, pictures 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 order to make further developments.

Complete document

This document consists of 44 pages. If all the pages are in consecutive order, your document is complete.

Availability of instructions

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

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

Third party documentation

Payment systems such as coin mechanism, bill validator or cashless payment systems can be fitted to this machine.

We would like to point out that special accessories may be required and special settings may need changing in the machine software in order to ensure error-free operation of the payment system being used. Please refer to the additional third-part documentation from the relevant manufacturer.

Manufacturer

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	+49 9825 18-315299	Spare parts ordering

export@sielaff.de; www.sielaff.com

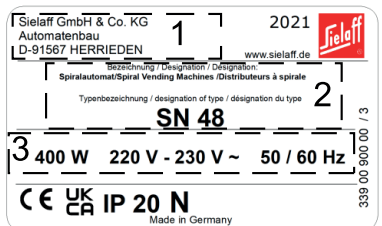
Variants

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

This manual covers the following versions:

Model	Part No.
SN 48 EB03.....	339 00 000 13
SN 48 RB03.....	339 00 000 33

Identification

	1. Manufacturer 2. Machine type 3. Electrical supply ratings
---	--

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SIELAFF does not accept responsibility in respect of the contents of this operating manual and cannot be held liable for any claims made based on information not contained therein. In addition SIELAFF reserves the right to update this publication and make changes to it, without being obliged to inform any person of these changes.

Features

The SN 48 is a spiral vending machine used to dispense pre-packaged, chilled fresh food items. Also products that do not require chilling can be dispensed as long as they fit into the spirals.

The machine is available in both LM and 2T LM versions.

A two-line (LCD) display provides selection and system information.

All machine functions are managed and checked via a microprocessor module. Sales and error data is stored on the machine control board.

In service mode the selection keypad is used along with the programming keys to programme the machine control board.

The vending machine is prepared for operation with a coin mechanism as standard.

SIELECTOR software for PC-supported programming, based on Windows, can be used to configure the machine. The software supports the duplication, creation, saving and printing out of all parameters.

1.1 Safety information

General

- Before commissioning the unit, the operating instructions should be read and understood.
- The operating instructions should be readily available where the machine is operated so that it can be easily referred to at any time.
- When transporting, setting up, servicing and repairing the vending machine, strict adherence to the following rules and guidelines - in their latest version - is essential: Standards set by the appropriate electricity company, UVV-accident prevention regulations, trade association guidelines, industrial code, EC-guidelines, VDE regulations, observance of the current hygiene regulations, country-specific regulations, Industrial Safety Regulation -BetrSichV, Workplace regulations - ArbStättV.

Transportation, installation

- Due to its high centre of gravity, there is a risk of the machine tipping over. Therefore caution must be exercised. Do not jerk the machine when lowering.
- The machine must be positioned on a horizontal, stable base. It must be attached to the wall or floor.
- Only install the machine in locations which correspond to the protection class of the machine. The machine's protection class is shown on the machine's type plate.
 - IP20 The machine is suitable for installation in dry areas and within the limits specified for permitted environmental conditions (refer to technical data).
 - IP24 The machine is suitable for installation outdoors in accordance with the specified, permissible environmental conditions (see technical data).
- Machine installation and repairs should only be carried out by trained service engineers.
- The venting clearance between the back of the vending machine and the wall on site must be observed.
- Do not locate machines with R290 chiller unit directly alongside an indentation in the floor (basement entrance, drain, hollow, recess etc.)

Operating

- This machine can be used by children from 8 years and older and by people with limited physical, sensory or mental abilities or lack of experience and/or knowledge, provided they are looked after by another person responsible for their safety or if they have received instructions how to use the machine and are able to comprehend the dangers resulting thereof. Cleaning and maintenance work should 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 should never be touched with wet hands or inserted into sockets when damp.
- In addition to the standard cleaning procedures maintenance work should also be carried out on the machine.

Cleaning

- The machine dispenses food products. The machine must be cleaned at regular intervals in order to avoid health risks to consumers.
- Only use authorized food-safe, cleaning agents.
- Do not clean the machine with a water hose or a high-pressure cleaner.

Repairs

- The inside of the machine may have sharp edges and corners. Always wear protective gloves when carrying out maintenance work.
- Use original spare parts only.
- Only products approved by SIELAFF should be used.
- The machine must not be converted or modified in any way. SIELAFF disclaims any liability for any defect claims resulting from the afore-mentioned not being adhered to!

Intended use

- The machine must only be used for vending pre-packaged food or similar items.
- Inflammable or explosive goods must not be vended.

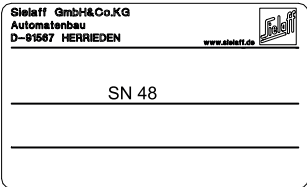
Chiller unit with R-290 refrigerant (propane)

- After inserting the mains plug or switching on the RCCB, the switch-off device requires approx 2 minutes for the safety shutdown to be operational. During this time the machine does not have any other functions. Should the machine however not start, the switch-off device may have turned the machine off on account of a faulty chiller unit. Any open flames and burning/glowing objects within a 5 m radius around the machine must be removed.
- The gas sensor installed in the chilled area must not be tampered with as this can endanger persons and the surrounding area.
- Once the safety shutdown has been activated the machine should only be put back into operation by a qualified person.
- Do not damage the refrigerant circuit.

Identifying a chiller unit with R-290 refrigerant

- For safety reasons machines with chillers containing R-290 refrigerant (propane gas, C₃H₈) are fitted with a gas sensor in conjunction with a switch-off device. In adverse circumstances should refrigerant escape from the chilling system due to leakage this could result in an explosive mixture inside the machine. The switch-off device ensures that should this occur the machine is disconnected in time from the mains supply to prevent any source of internal ignition.
- Information regarding the chiller unit fitted can be found on the machine identification plate.
- The identification plate is generally located inside the machine top right. In addition the warning symbol shown below can be seen (Warning flammable materials, DIN 4844-21).

Identification

	 If chiller unit uses R290: Symbol for "Warning flammable substances"
---	---

1.2 Explanation of signs and symbols

The machine was manufactured in accordance with the latest technical standards. Nevertheless, even the most expertly designed machine, cannot be without risks.

In order to ensure the machine operator a sufficient level of safety, additional safety tips are detailed below.

Adequate safety during operation is ensured only when these safety precautions are observed.

Text highlighted below symbolises the following:

**Danger**

Immediate danger which could result in death or severe injury.

**WARNING**

Possible dangerous situation which could result in death or severe injury.

**CAUTION**

Dangerous situation which could result in injury or damage to the vending machine.

**NOTE**

Information to avoid causing damage to the machine.

**TIP**

Information to facilitate handling and use of the vending machine.

The following danger symbols may also be used in certain instances:

**WARNING electrical energy! Danger to life!**

This symbol warns that electrically live components are installed in this area. Covers marked with these symbols should only be removed by authorised electricians.

**Observe handling regulations when dealing with electro-statically sensitive components and modules (ESD)**

Behind covers marked with this symbol are parts and components that are susceptible to electrical discharge.

It is imperative that plug connections, electrical leads and component pins are not touched. Only specialist personnel with ESD knowledge are authorised to work on the machine!

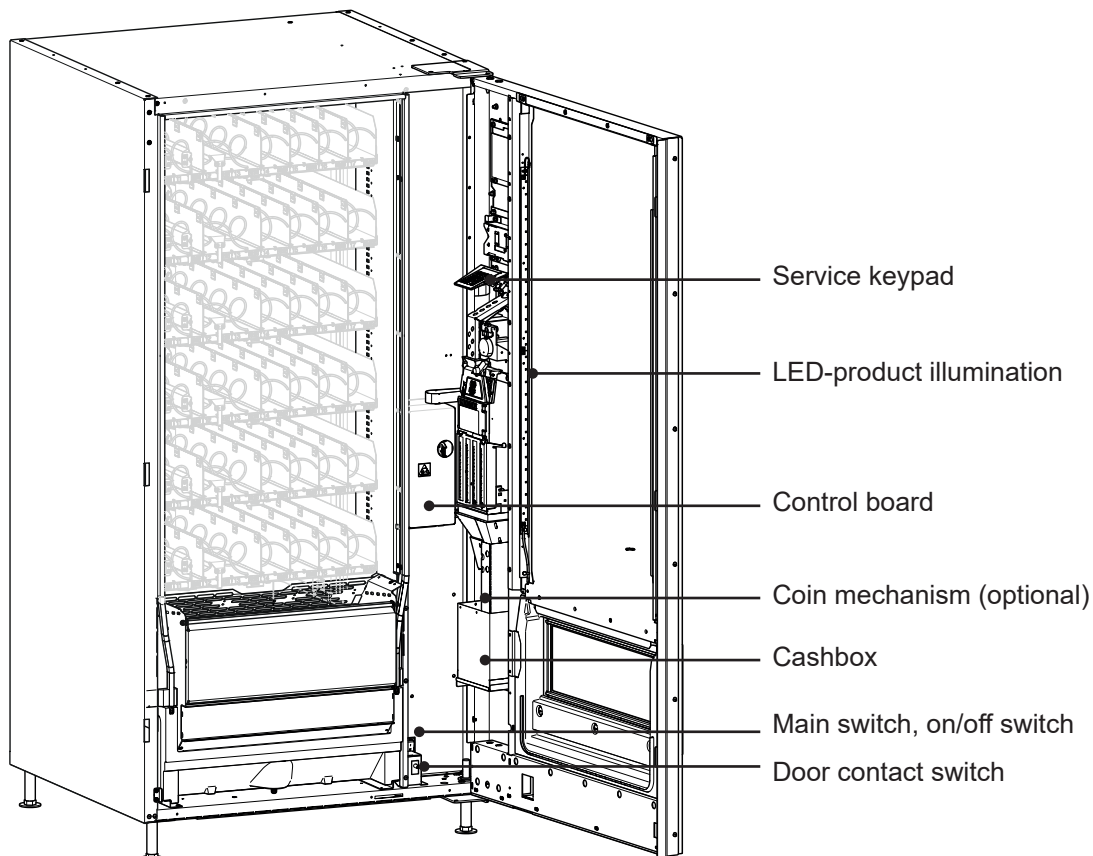
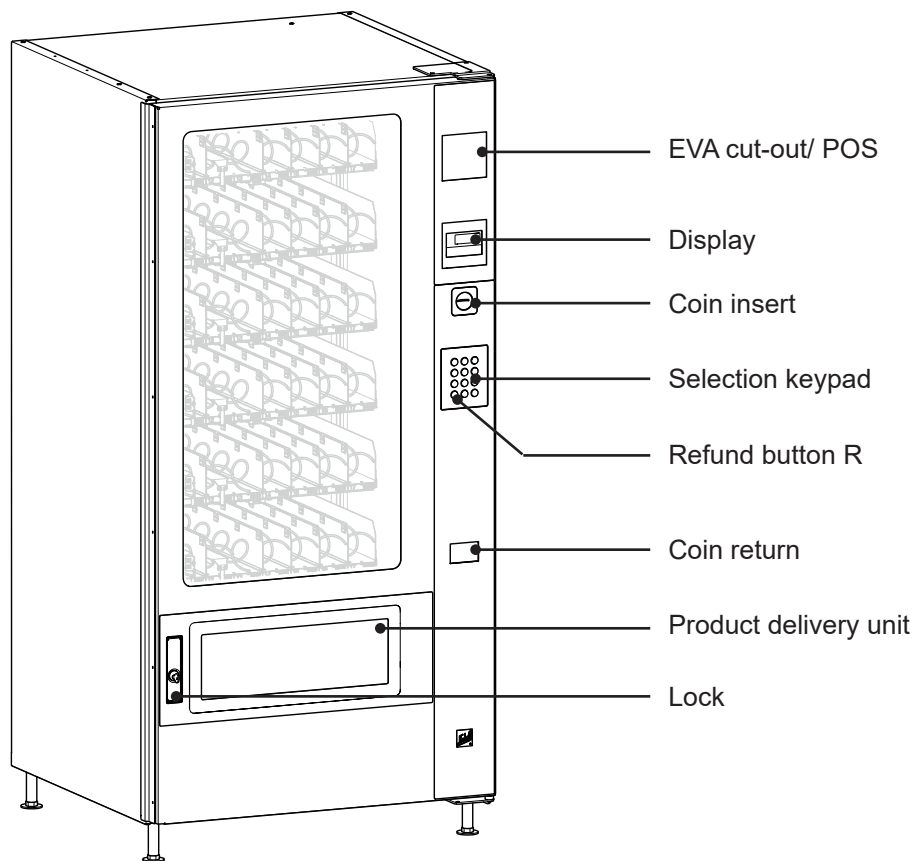
**DANGER! Flammable materials!**

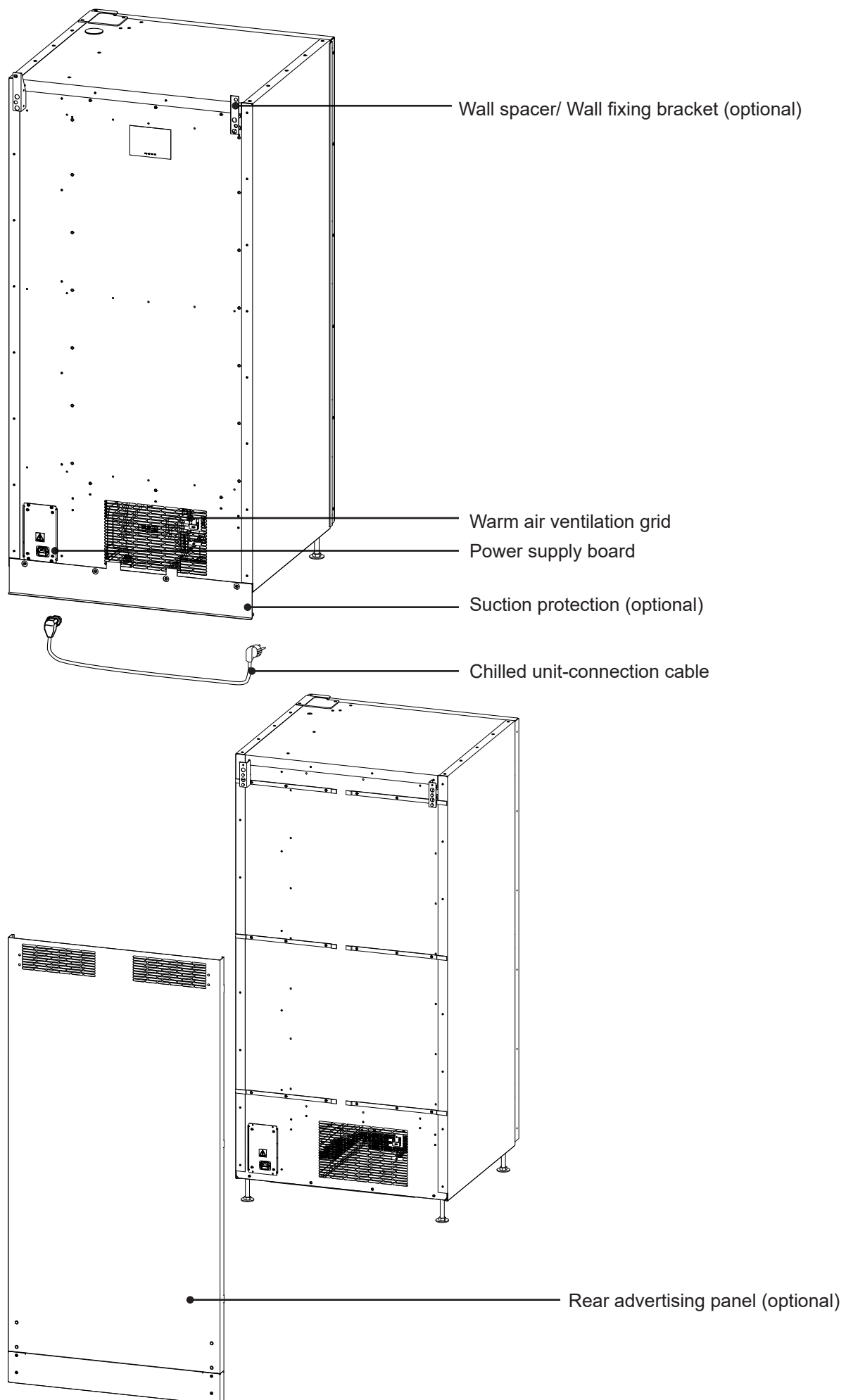
This symbol warns about flammable materials. May cause serious injury or death. Sources of ignition such as burning cigarettes or lighters must be distanced before opening the machine door.



This symbol means that the marked product must not be disposed of in household waste at the end of its life, but must be sent for separate collection. Details may differ in your country.

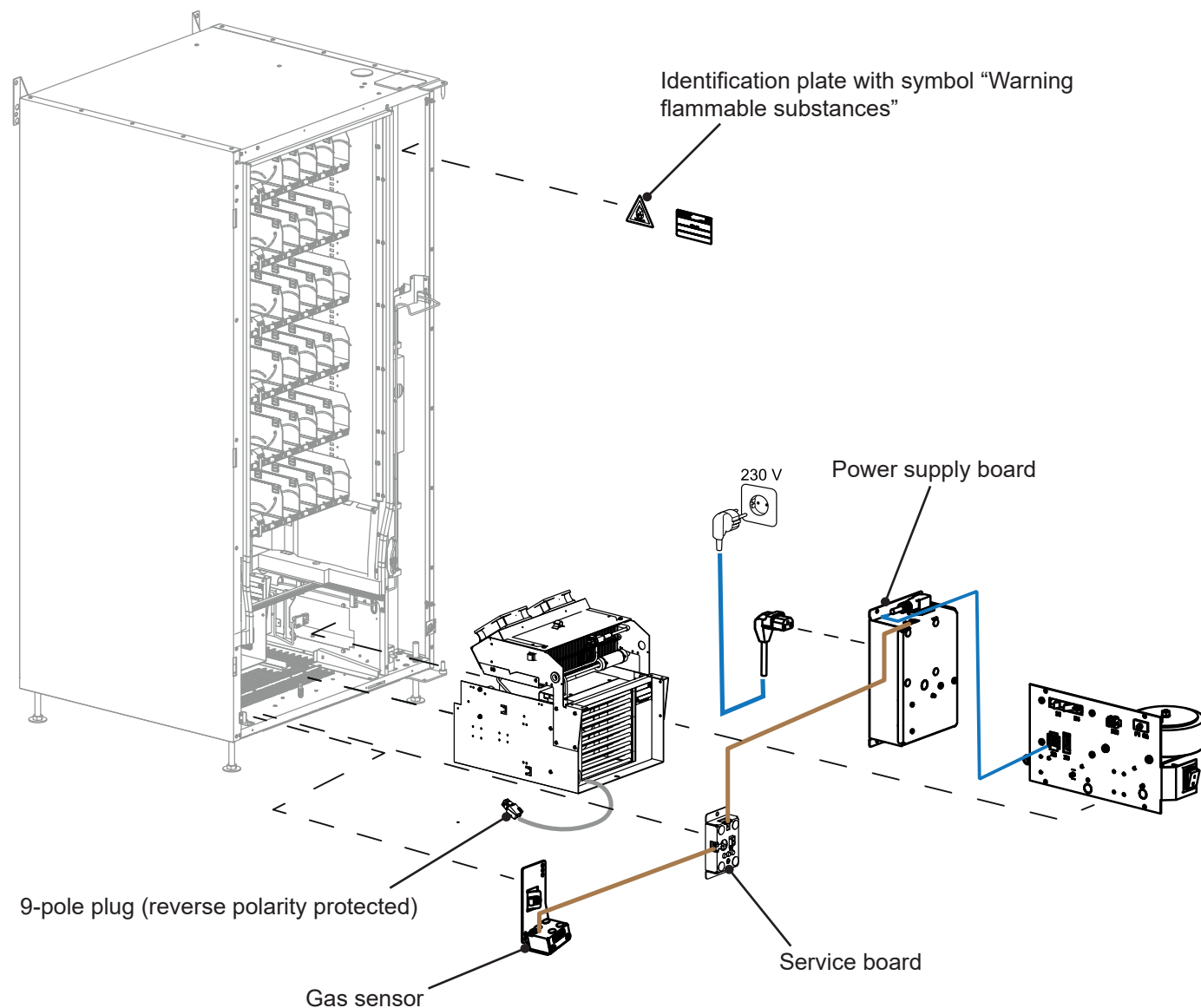
2. Machine diagram





R290 chiller unit

For safety reasons machines with chillers containing R-290 refrigerant (propane gas, C₃H₈) are fitted with a gas sensor in conjunction with a switch-off device.



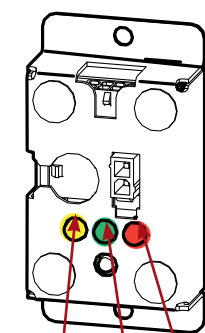
Red illuminates for 1 second
Self-test initiated

Red is on permanently
Self-test failed

Green is on permanently.
Self-test successful

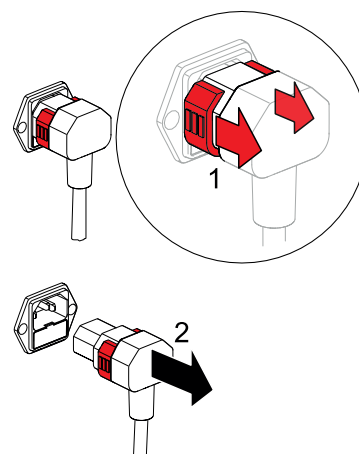
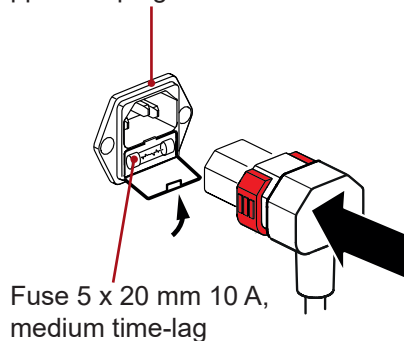
Yellow is on permanently
Mains voltage for the machine
has been enabled.

Service board

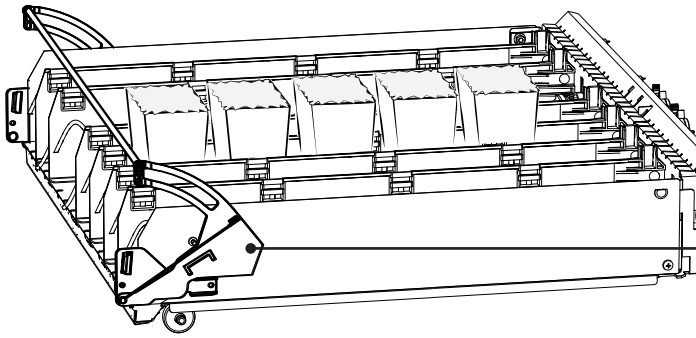


Yellow - green - red

Appliance plug with C14 fuse



Product deflector

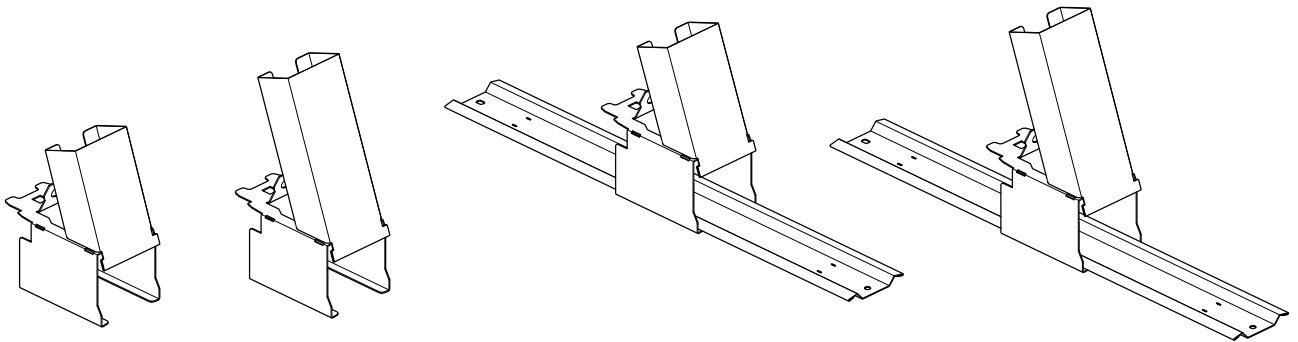


Product deflector (optional: for dispensing certain products which can be problematical when dropping).

Product support for spiral containers

Various product supports are available for dispensing tall products from spirals. This prevents the products from falling backwards or slipping due to the high centre of gravity.

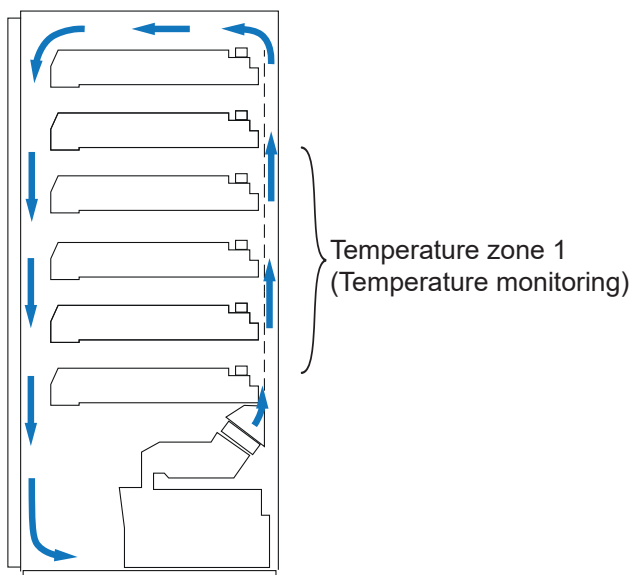
Move the product support backwards to release it. It can then be pushed easily to the back.



LM or 2T LM designs

Fresh-food version

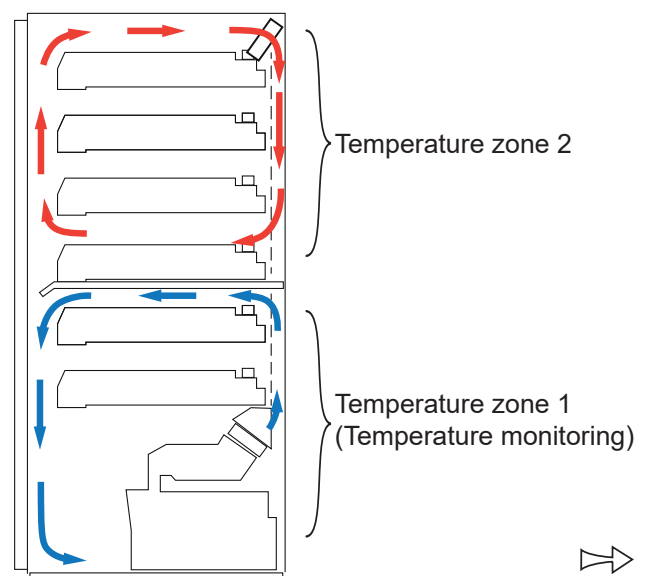
For food safety product storage the legal requirements regarding food product safety must be adhered to. The products' chilling cycle must not be interrupted.

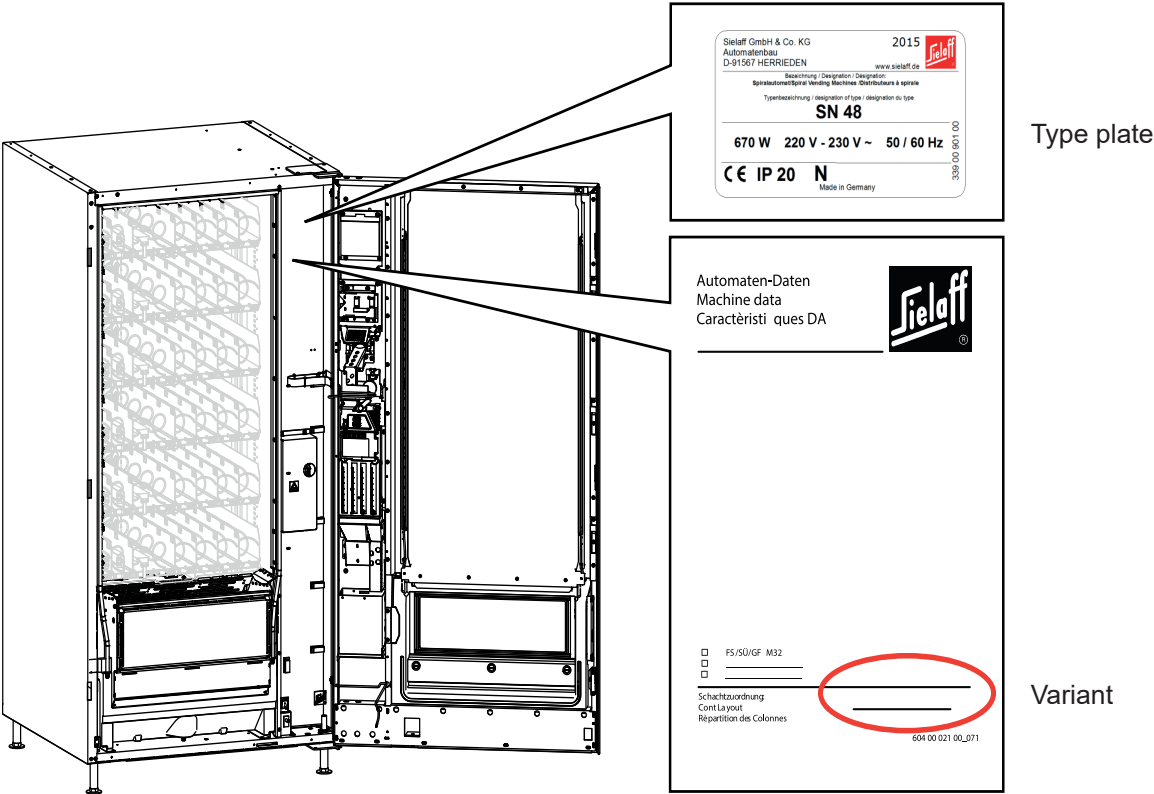
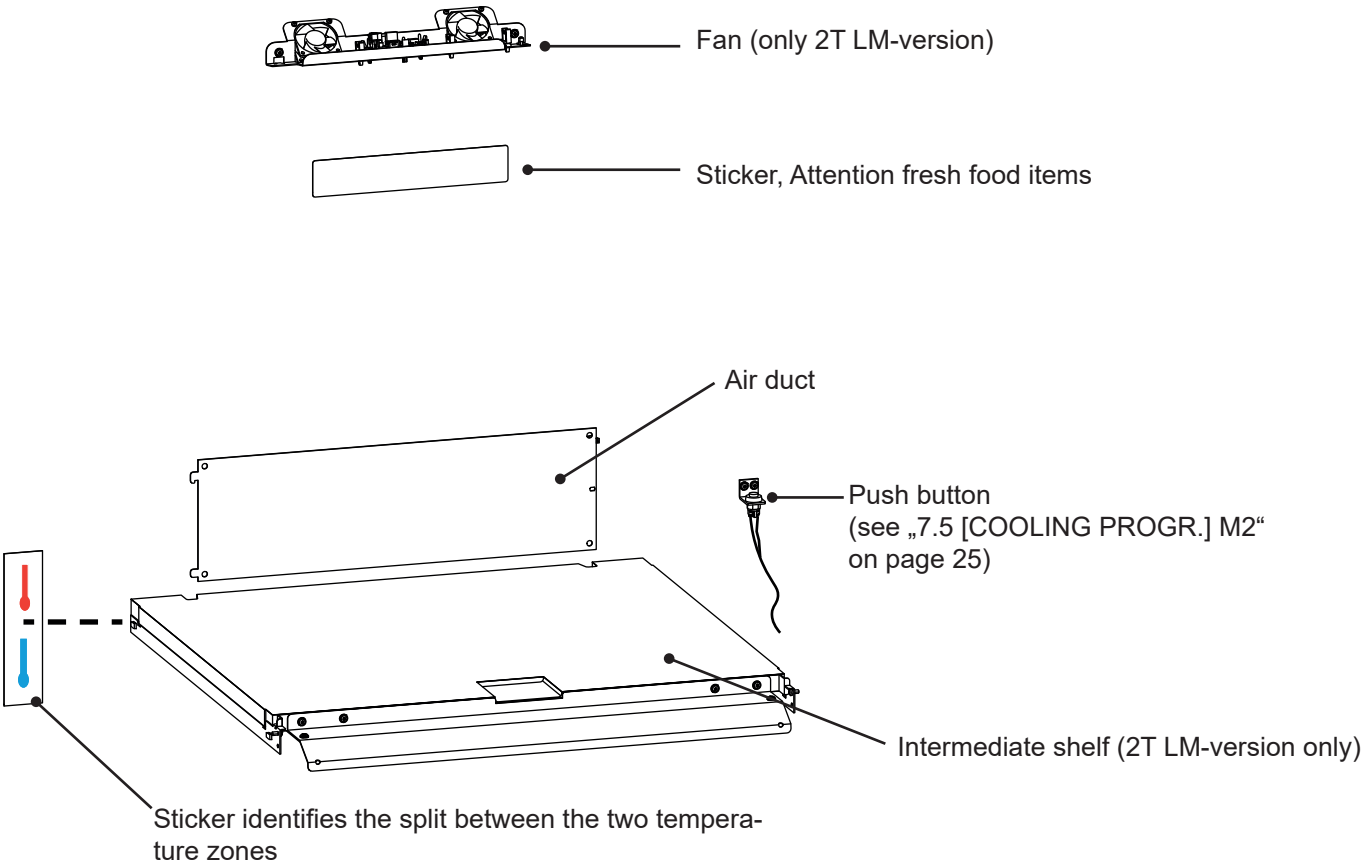


2T LM-specification

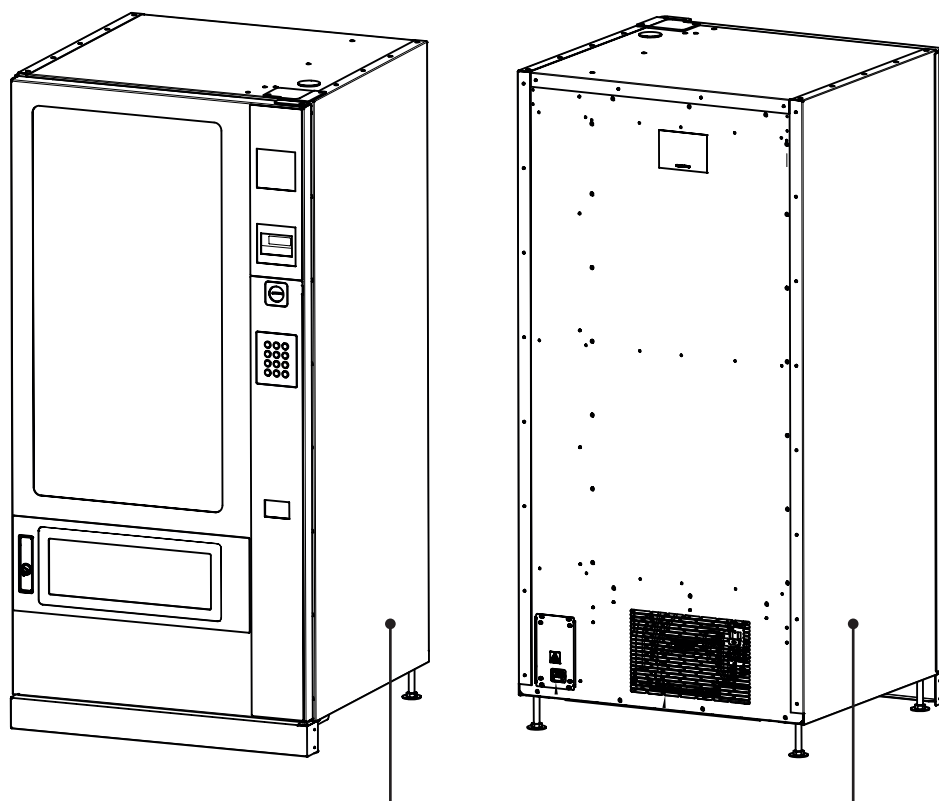
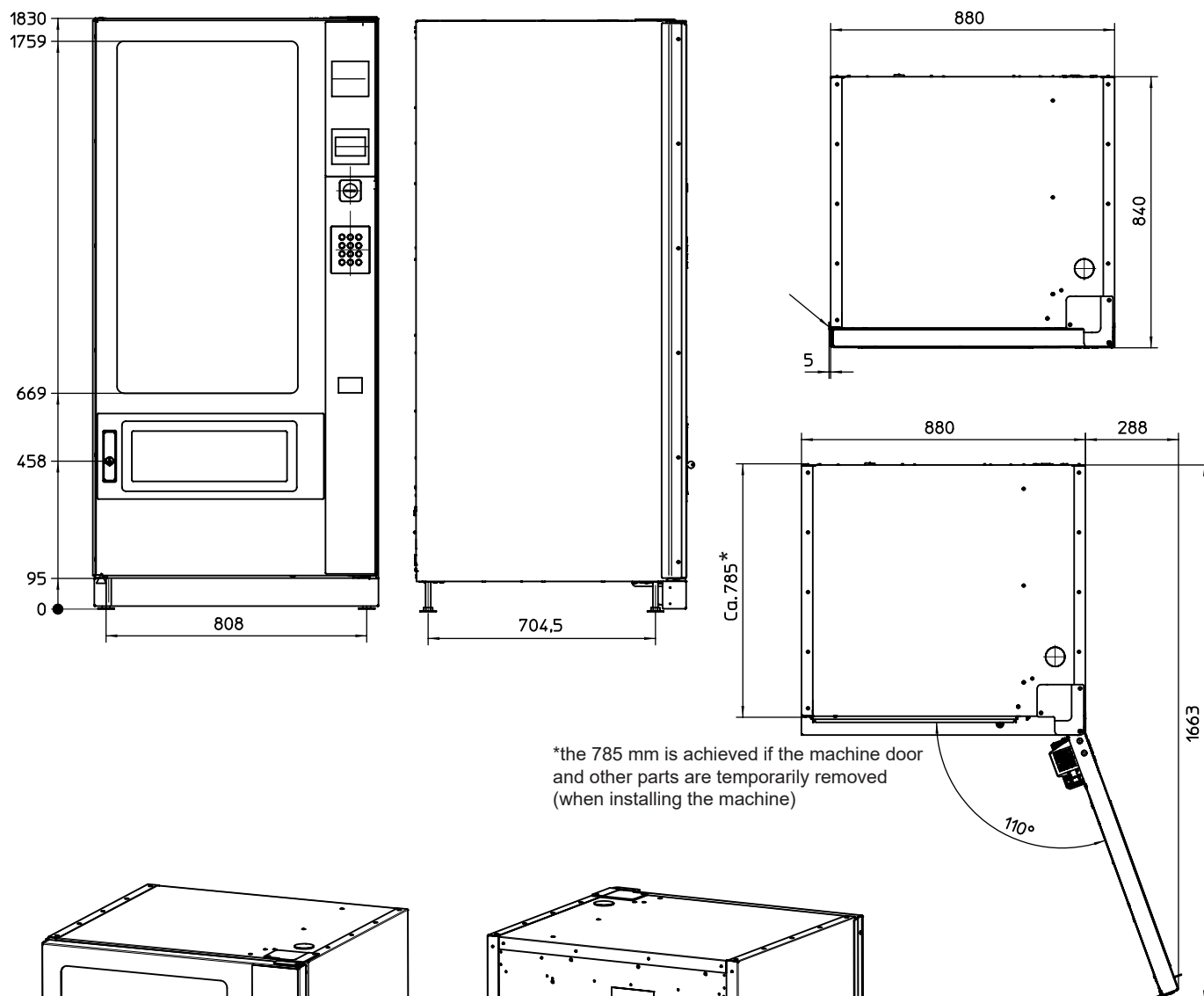
For food safety product storage the legal requirements regarding food product safety must be adhered to. The products' chilling cycle must not be interrupted.

The chilled area is split into two temperature zones by a separation shelf.





Machine dimensions



Side advertising decoration: 1727 x 768 mm

3. Transport

**WARNING**

The vending machine can tip over during transportation. There is crushing risk. Only move the machine using the appropriate means of transport.

Observe the following instructions

- Move the machine only with a pallet truck or a fork lift. Place the forks on the wide side of the machine. Remove the kickplates first.
- Do not transport the machine in the air.
- Always move the machine with care.
- Prevent it from sliding sideways.
- Do not move the machine on inclined ramps, use stair-walkers.
- Observe the machine's centre of gravity. Due to its design the centre of gravity can be high. Risk of tipping over.

Suitable means of transport

- Forklift truck
- Pallet truck
- Stairclimber for vending machines

Storage

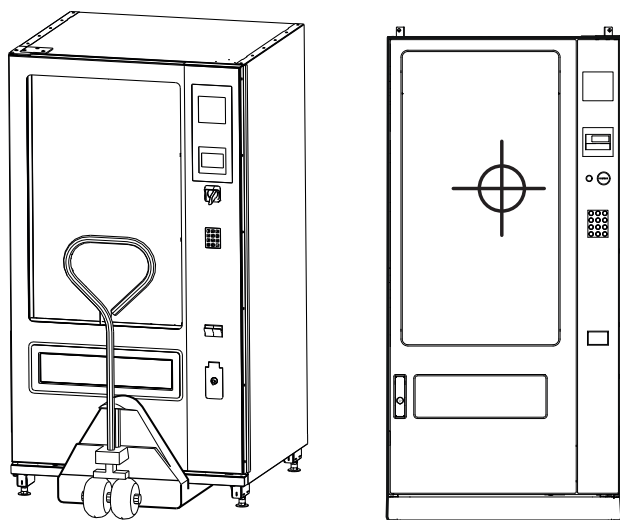
- The vending machine should be stored in a clean and dry location. Use a suitable cover to protect it from dirt, humidity and damage.
- Remove the products and leave the machine door slightly ajar to allow the humidity to escape.

Temporary shutdown

The machine may be shut down temporarily.

How to proceed

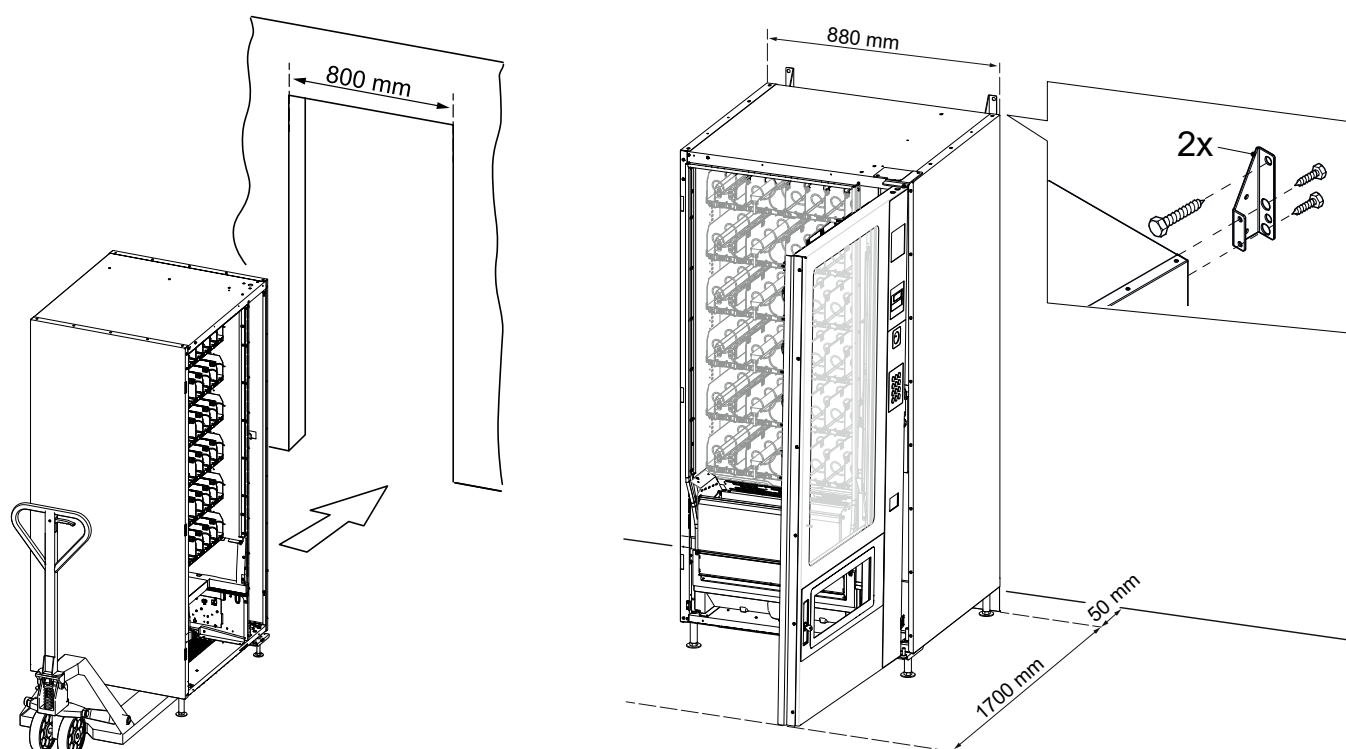
- Remove the mains plug
- Remove the products
- Clean the product containers
- Leave the machine door ajar
- To re-commission refer to the relevant section



4. Installing the machine

4.1 Requirements on site

- The floor must have an adequate load bearing capacity. Note the weight (refer to technical data).
- The machine must not be installed in air containing salt or chlorine, such as in an indoor swimming pool.
- Do not install the machine in places where water hoses or a high-pressure cleaner is used.
- The machine's glass front must not be exposed to direct sunlight. The chiller unit is not designed for this.
- In adverse weather conditions (high humidity, high outdoor temperature) the front panels on the machine may mist up. This is a temporary occurrence and not grounds for complaint.
- The machine must be in a level position.
- The machine is supplied with a connection cable for a chilled unit and must be connected to a correctly installed shockproof socket.
- Do not use extension cables and multiple sockets.
- A permanent installation should only be carried out by a qualified electrician.
- The plug must be easily accessible after installation.



NOTE

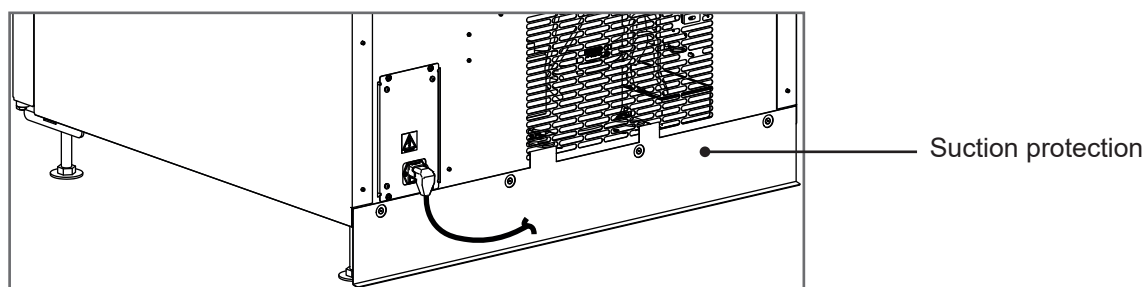
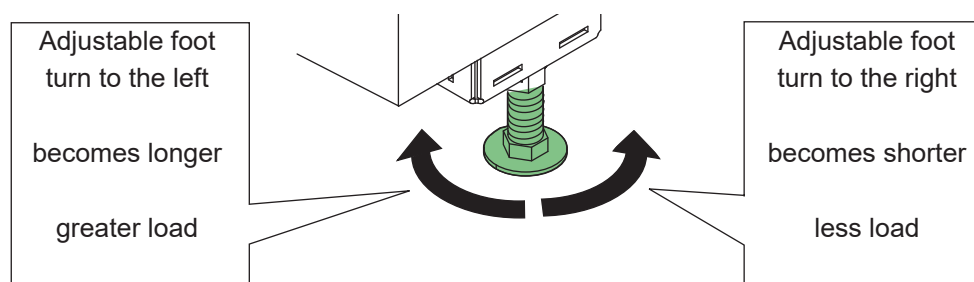
By removing the door and additional parts the machine can be pushed through narrow doorways. Refer to Technical Manual part. no. 339 66 010 11.

4.2 Installation and commissioning

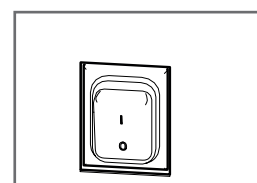
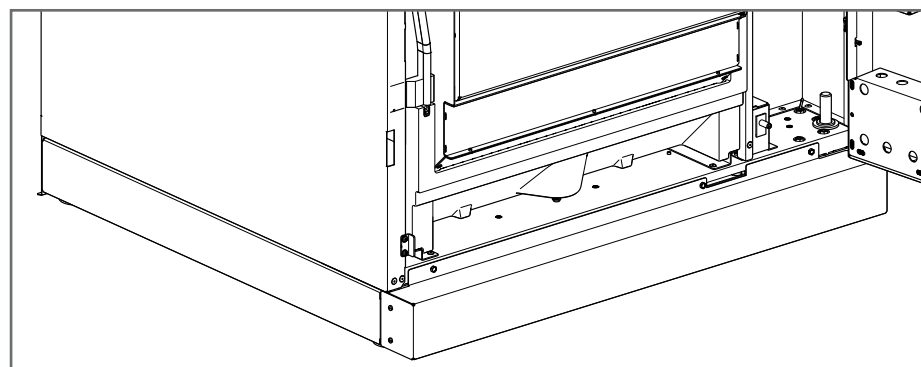
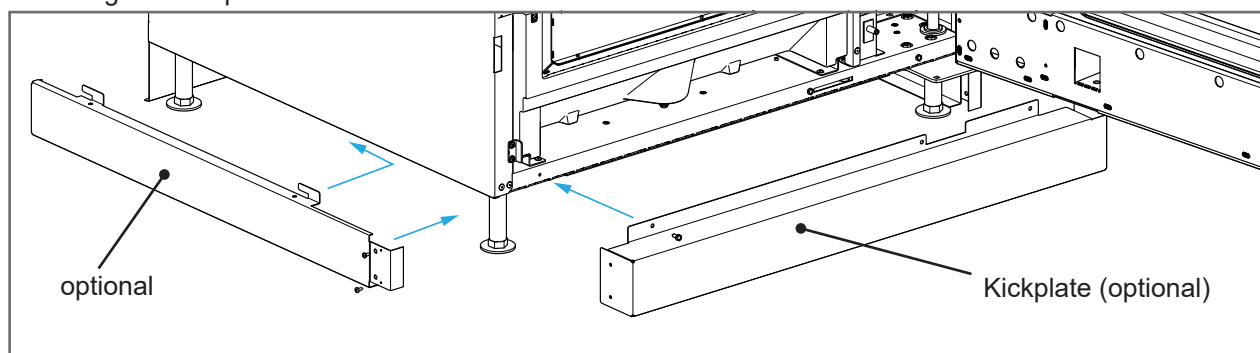
1. *Unpack, position, level and secure the machine*
2. *Open the machine door; the key is located at the back of the machine*
3. *Remove transportation locks (if fitted)*
4. *Fit coin mechanism (optional) etc.*
5. *Fit suction protection / kickplates (optional)*

Electrical connection

1. *Open the machine door (good ventilation).*
 2. *Inserting the mains plug*
 3. *Switch the machine on at main switch.*
- Switch-off device for the safety shutdown requires approx. 2 minutes for the machine to restart
- The machine is operational when [READY TO USE] is shown in the display.



Mounting the kick plates



4.3 Fitting a coin mechanism (optional)

Machines are generally set and tested to a specific protocol for the relevant coin mechanism. Fitting the coin mechanism is usually carried out by the customer.

4.3.1 Mounting the coin mechanism

Follow the instructions provided by the coin mechanism manufacturer.

Hang the coin mechanism in the space provided. Use a locking screw where possible.

4.3.2 Setting the eccentric disc

Adjust the motorised coin return so that the return lever on the coin mechanism is activated when the refund button is pressed. Position the coin insert chute so that the coins can easily fall into the entry funnel on the coin mechanism.

4.3.3 Connecting the adapter kit

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

Example: Kit for Executive part no.640 01 522 00 comprises:

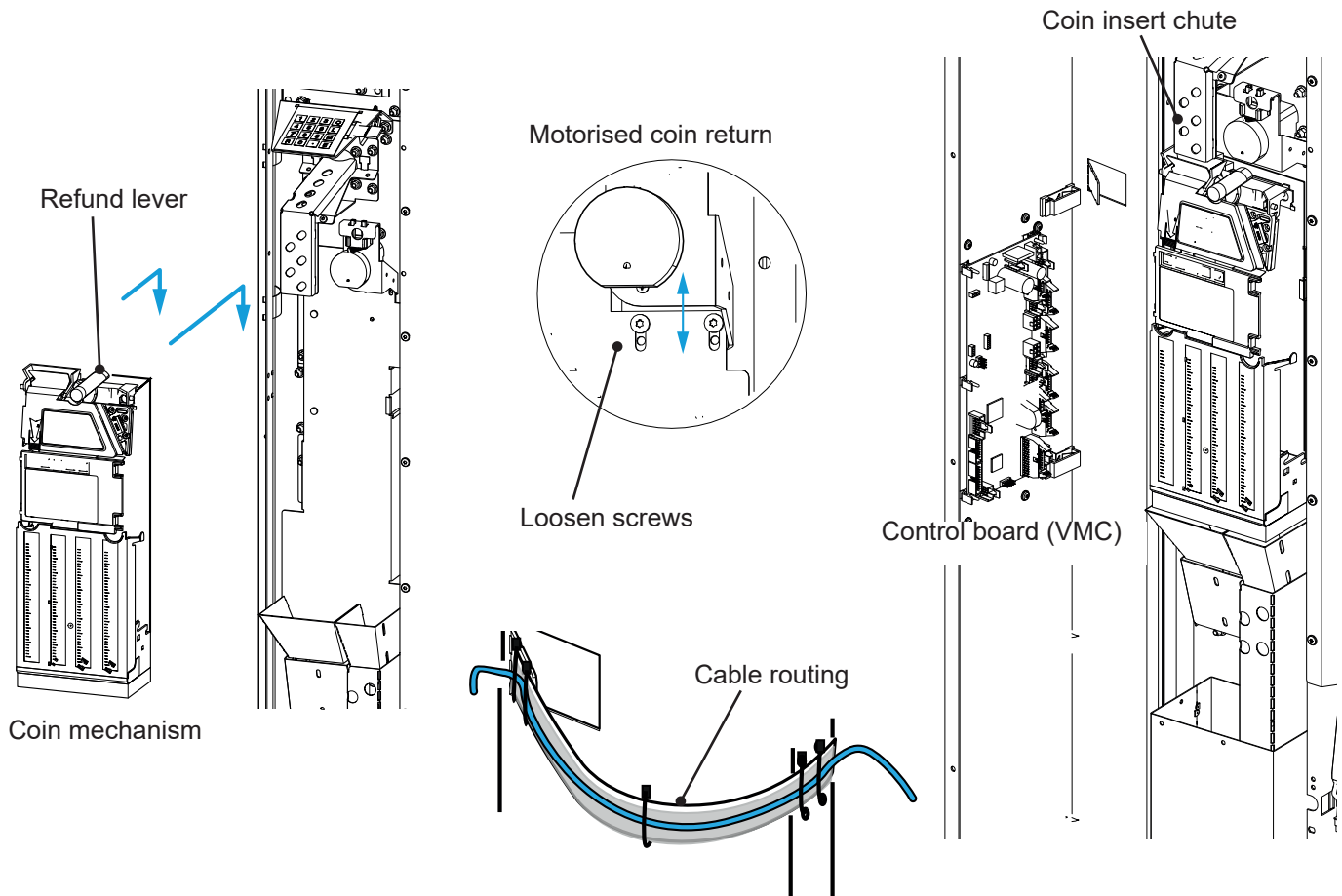
- Part no. 640 00 522 00 Cable connection Power supply
- Part no. 640 00 523 00 Cable connection Data bus

Other adapter kits are available upon request.

Plug in male and female connectors securely. Secure the cables between housing and door to the cable routing using cable ties.

4.3.4 Assigning software

1. Access the menu [INSTALLING MODE] M7: [M] + [7] + [E]
2. Access [CREDIT SYSTEM] by pressing [M] x 1. Press [E] to enter.
3. Press [1] to set the communications protocol e.g. [Executive].
4. Press [E] to enter.
5. Return to the main menu by pressing [M] + [L].



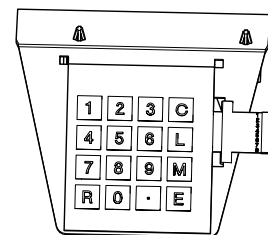
4.4 Filling the coin mechanism (optional)

On first-time filling approx. 10 coins should be inserted into each coin tube (sleeping coins). The number of coins required depends on the coin mechanism that is used and the settings in the [INSTALLING MODE] menu.

1. Enter [M] - [8] - [E] - [58] - [M].

2. Fill each tube with 10 coins.

→ The coin mechanism counts the value of the coins inserted. Once the minimum quantity is reached, the control board is informed and the machine goes into vend mode.



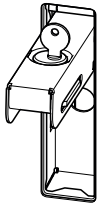
4.5 Product specifications

- The weight of the filled product shelf must not exceed 15 kg or 40 kg for reinforced shelves.
- Reinforced shelves must only be fitted on the three lower levels.
- The product diameter must not exceed 150 mm.
- The products must be packed in a way that they are not damaged when falling down at least 400 mm (max 1300 mm).
- In addition, suitability also depends on shape and product stability. For this reason, please always check that a particular product vends correctly.

5. Daily use

5.1 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?
 - does the delivery pocket open and close easily?
 - if vandalised the machine must be put out of service immediately.
- In addition to the cleaning procedures maintenance work should also be carried out on the machine (refer to the Maintenance Schedule).



5.2 Open the machine door

1. *Open the lock*
2. *Fold the locking device upwards to 90°*
3. *Pull the locking device*

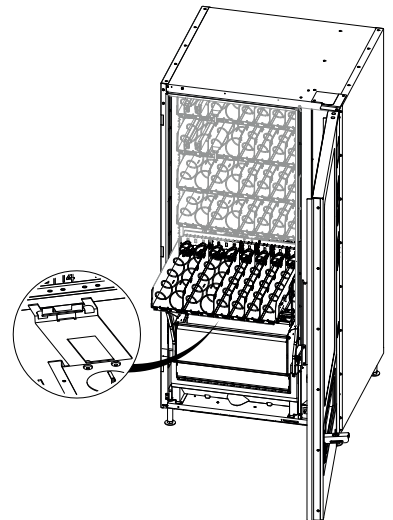
✓ The door is now open

5.3 Pulling out the product containers

1. *Press the locking device underneath the product container*
2. *Pull the container*

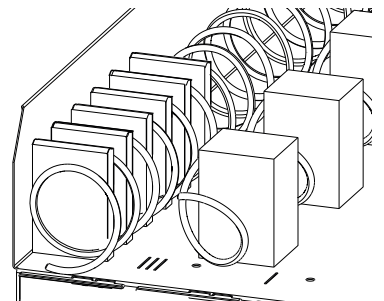
✓ The container can be filled.

- The product container, filled with products, is to be pushed back evenly into the vending machine until a click is heard.



5.4 Filling the spiral product containers

- Please refer to the machine documentation for information about the layout of the individual product containers.
- Do not pull out more than one product shelf at a time when filling.
- Every level of container can be pulled out for filling.
- Always fill the product compartments from back to front to avoid empty spaces in the spiral.
- Adhere to "first-in first-out" principle
- Selection and price labels must not be concealed.
- Place a product in each spiral opening.
- The products must sit loosely on the floor of the containers and not on the spiral.
- Make sure that all products are correctly positioned, otherwise spiral jams can occur.
- Check the end position of each spiral.



5.5 Golden rules for filling spirals

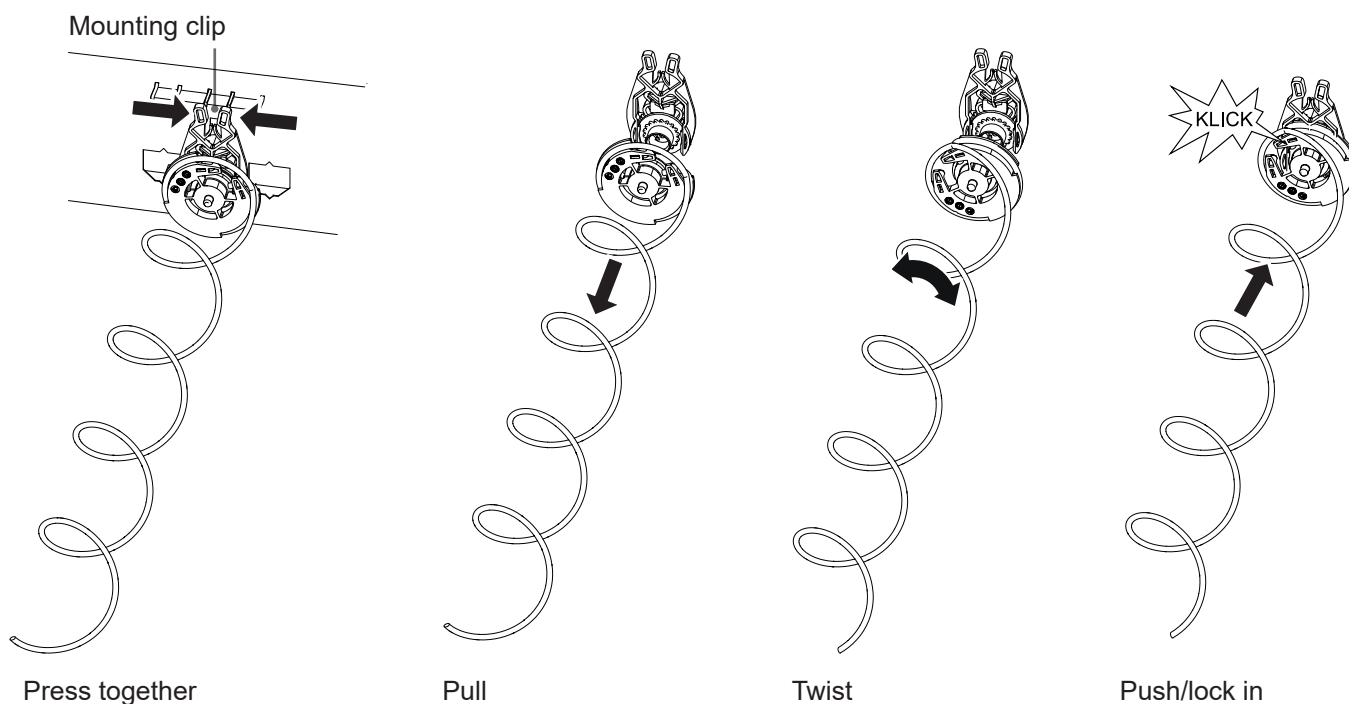
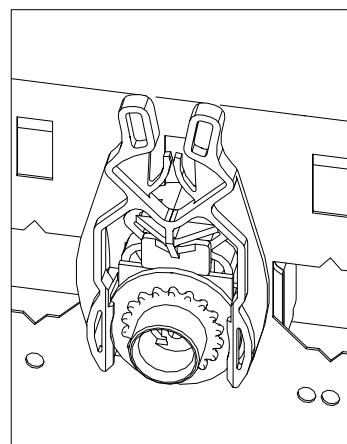
- All products must be free to move in the spirals, no product should be squashed into the spiral.
- All products should fall out of the product container after a half-turn of the spiral.
- The thicker the product, the closer it must be positioned to the edge of the product container. The thinner the product, the further away it must be positioned from the edge of the product container.
- If the product is quite thick, the spiral end must finish in the upper-mid position. If the product is quite thin, the spiral end must finish in the lower-mid position.
- In its standard setting ex works the spiral end is at 6 o'clock.
- The products must not touch the container above.

5.6 Spiral adjustment

Spirals ends can be adjusted to ensure that products are correctly dispensed. This applies to both left and right-hand spirals.

Proceed as follows

1. *Press the mounting clips together at the back of the container.*
 2. *Pull the spiral gently*
→ The spiral is free
 3. *Release the mounting clips*
 4. *Twist the spiral*
 5. *Push the spiral towards the back until it automatically locks in*
- ✓ The spiral has been adjusted



6. Cleaning and maintenance



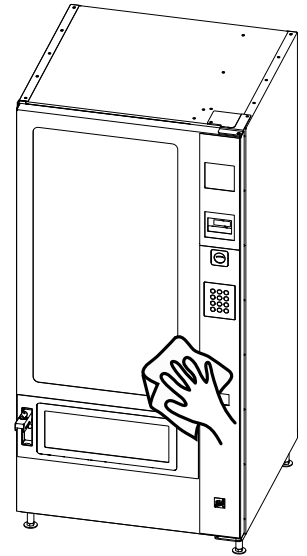
NOTE

The edges inside the machine may be sharp. Wear protective gloves when carrying out cleaning jobs.

General hygiene requirements must be observed. Only use food-quality cleaning products.

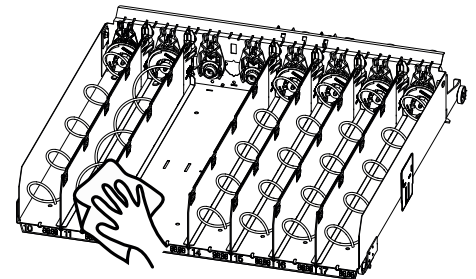
6.1 Caring for the external surfaces

- Clean the outer surfaces regularly with a mild cleaning agent. Use the standard cleaning product for a particular surface. These surfaces can be made from glass, plastic, painted metal or stainless steel.
- Clean and care for stainless steel surfaces using a slightly damp cleaning cloth and stainless steel cleaner. Cleaning cloths and stainless steel cleaner can be obtained from our Spare Parts Department.
- In order to avoid damaging the effect on machine fronts made from polished stainless steel never wipe across the polished direction.
- A stainless steel cleaning cloth can be ordered as a spare part using part no. 998 00 119 52



6.2 Clean the product containers

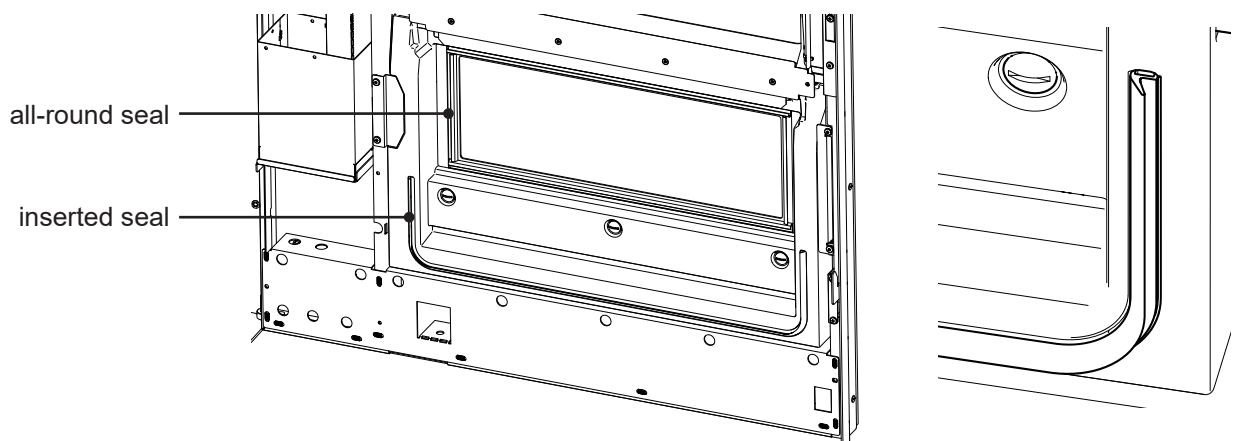
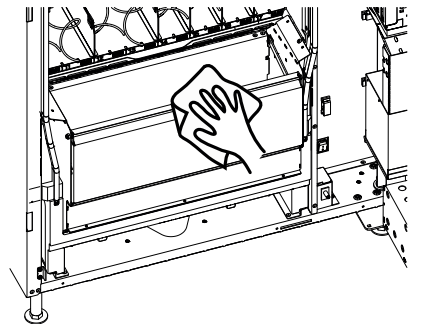
The containers should be regularly cleaned and whenever necessary mild detergent should be used. The spirals should also be cleaned if necessary.



6.3 Cleaning the delivery unit

Clean the delivery unit with a cloth and hot water containing washing-up liquid. Then wipe the parts dry.

Ensure that the seals in the door and delivery unit are kept clean.

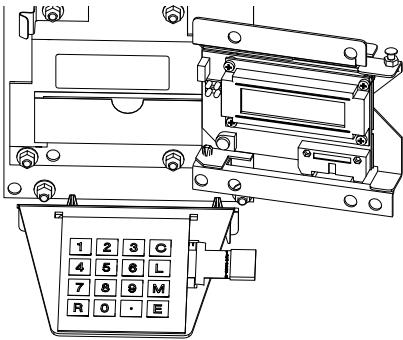


7. Software

7.1 Service keypad and display

Service keypad

When the machine door is open the service keypad can be accessed. The programming keys are marked [C], [L], [M] and [E]. The machine is programmed using these keys and the selection keypad. The display can be folded inwards for programming purposes.



Service keypad extension

When fitting the banknote reader the display can no longer be folded back because it is blocked. For this reason there is a service kit (part. no. 339 50 155 00) which enables the service keypad to be used via a long ribbon cable from the front of the machine.

The programming keys have the following functions:

Menu selection M0 to M9

123C 456L 789M R0·E	Program- ming keys	Reference	Meaning
	C	"clear"	Confirm error messages /delete data
	L	-	Scroll backwards in the menu
	M	"Menu"	Scroll forwards in the menu
	E	"enter"	Confirm entry, move to next menu item
	R		refund button

Navigation

Select menu

Values may be programmed and changed using the menu selection, which appears by pressing [M]. The following information is displayed after pressing [M]:



Change setting

- [1] change the selection in the respective menu

Access vend mode

- Press keys [L] and [M] at the same time
- Press refund button [R] (exits any menu)
- Not pressing a key; after approx. one minute the machine reverts automatically to vend mode.

7.2 Structure of main menu

Menu	Display message	Security code	Function
M0	[CHECK]	-	Error display, Deletion of error messages
M1	PROGRAMMING MODE	B	Assign selling prices Entering product names for each selection key
M2	CHILLER UNIT	A	Electronic monitoring of the chiller unit Chilling temperature and times
M3	TEST VEND MODE	A	Checking the allocations Checking the vend process
M4	SHOW STATISTICS	A	Display sales statistics Deletion of short-term statistics
M5	SHOW FULL STAT.	B	Display sales statistics Full statistics can only be deleted by the manufacturer
M6	PROG. TIME/LOCKS	B	Set time, date, inhibit times
M7	[INSTALLING MODE]	B	Setting country, currency, machine type, machine number, security codes, pre-selection times, credit system, vending mode, coin change parameters, machine options, service telephone number
M8	SERVICE MENU	B	Test of vending machine components Reading of vending machine parameters
M9	TUBE INVENTORY	-	Filling and emptying coin mechanisms

7.3 [CHECK] M0

Deleting errors	Current machine errors are displayed as text in the [CHECK] menu. An actual counter reading is displayed with each malfunction.
ERROR #001 CON. 4 BLOCKED	▪ Button E acknowledges the error messages. ▪ Button combination [C] + [E] deletes the error messages ▪ If several faults occur at the same time, the next message will be displayed once the previous error has been acknowledged. ▪ Press refund button [R] to revert to vend mode.
Display error history	
ERROR C#002 CREDIT SYSTEM ?	▪ Pressing [M] - [1] - [E] in sequence will display the error history. ▪ Press [E] to scroll through the error history. ▪ Press refund button [R] to revert to vend mode.

7.4 [PROGRAMMING MODE] M1

Price	
[PRICE CASH]	The normal cash selling price of the product.
[HAPPY HOUR]	To use this price in the [INSTALLING MODE] - [CREDIT SYSTEM] - [HAPPY HOUR] menu the setting must be [on]. Various settings in [PROG.TIME/LOCKS] must be entered.
[PRICELISTS]	To use two price lists the setting must be [on] in [INSTALLING MODE] - [CARD SYSTEM] - [PRICE LIST]. Then [PRICE LIST 1] and [PRICE LIST 2] are stored. This function depends on the card reader being used. [PRICE LIST] and [HAPPY HOUR] cannot be used at the same time.

Setting prices	
PROGRAMMING MODE CASH PRICE ↓ E SEL 10:£ 4.00 ↓ new price for key 10 SEL 10:£ 2.00 ↓ E	▪ Press [E] to call up the selections in succession ▪ Use [L] to go back to the previous selection ▪ Using numbers 0 to 9 enter the new price and press [E] to confirm

Setting a standard price for all selections	The most frequently used price can quickly be programmed for all selections.
SET £ 45.00 CASH PRICE ↓ new price +E SHELF ? 1-9 SURE ??	▪ When [CASH PRICE] appears press [M] ▪ Using numbers 0 to 9 enter the new price and press [E] to confirm ▪ Press [E] when the question [SURE ??] appears.

Age verification	To use age verification [active] must be set in [INSTALLING MODE] - [MACHINE] - [AGE VERIFICATION]. This function depends on the document reader in use.
SEL 1 :£ 2.00 18+	- Using [R] access the options [OK+] [18+] [16+] [OK+] The product is sold without age verification. [18+] The product is sold after verifying a minimum age of 18 years. [16+] The product is sold after verifying a minimum age of 16 years.
Copying prices (from price list to price list)	A programmed price list (e.g. cash price) can be copied to another price list. To do this [on] must be set in [INSTALLING MODE] - [CARD SYSTEM] - [PRICE LISTS] so that the two additional price lists are available.
[COPY PL 1] [TO PL 2]	[PL 1] stands for [PRICE LIST 1] [PL 2] stands for [PRICE LIST 2] - Press [E] to call up the selections in succession

7.5 [COOLING PROGR.] M2

Chiller unit	
[EL. COOLING?]	Press [1] to advise the control unit that the chiller unit is installed. Press [E] to enter.
[AUTO SET?]	Standard settings are loaded by pressing [1]: Chiller temperature 16 °C and raised temperature 16 °C. Press [E] to enter.
[TEMP. COOLING 1] [NORM.] [PLU]	- Using numbers 0 to 9 enter the required cooling temperature and press [E] to enter [PLU.] stands for raised temperature which is reached outside the cooling time (energy saving effect)
[TEMP.COOLING 2]	Irrelevant in this case (only refers to a second chiller unit in a Sidepack)
[COOLING] [FROM TO]	[MO] stands for Monday, [TU] for Tuesday etc. Press [1] to select the weekday. Press [E] to enter.
[COOLING TIME] [FROM] [TO]	Using 0 to 9 enter the hours and minutes. Press [E] to enter.
[TEMP1/ STAT/ DUR.]	The current chilled zone temperature is displayed STAT stands for chiller unit status. An empty rectangle means the chiller unit is switched off. A filled-in rectangle means the chiller unit is switched on. DUR. = compressor run time since last switched on.

Fresh-food version	
→ 6C	Vending machine is cooling down
← 6C	Temperature increasing in vending machine
£ 0.00 x T6C READY TO USE	The refrigeration chain has been interrupted, the temperature in the cool zone is too high. Remove products and press the red button for at least 20 seconds.
SORRY SOLD OUT TEMP. TOO HIGH	If a customer selects a product which is not sufficiently chilled, the machine prevents the product being dispensed.

7.6 [TEST VEND MODE] M3

- The selected product is dispensed free of charge and recorded in the statistics memory as a test vend.
- If the machine is filled, the selected product will be dispensed.
- If a test vend is performed with a money card, the amount will not be debited from the card.

TEST VEND MODE	
[PLEASE SELECT]	Using numbers 0 to 9 enter the required selection and press [E] to enter

7.7 [DELETE STATISTICS] M4

- In the menu [SHOW STATISTICS] the sales statistics are displayed. Specific product stock information can be accessed via the sales statistics.
- If a [SECURITY CODE] has been entered, the statistics may be deleted by the operator via [CODE A].
- All non-zero values are displayed.
- The statistics are not actually deleted until the next vend.

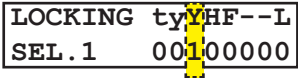
Show Statistics	
[MACHINE NUMBER]	The machine number is displayed.
[CASH]	Cash is displayed.
[SALES]	The number of sales made is displayed.
[CASHBOX CONT.]	The cashbox content is displayed.
[TUBES CONT.]	The tubes content for the coin mechanism is displayed.
[TEST VEND MODE]	The number of test vends made is displayed.
[yes=1, no=0] [DELETE STATISTICS]	Press [1] to delete the short-term statistics. Press [E] to enter.

7.8 [SHOW FULL STAT] M5

In the [SHOW FULL STAT] menu sales since the machine was first commissioned are displayed. Full statistics cannot be cleared.

7.9 [PROG.TIME/LOCKS] M6

Locking times are flexible. The whole machine can be in operation or just individual selections. In total 4 locking times can be set.

PROG. TIME/LOCKS		
[TIME]	Use 0 to 9 to enter the time. Press [E] to enter.	
[DATE]	Use 0 to 9 to enter the date. Press [E] to enter.	
[off/on/time =0-2] [ILLUMINATION ?]	[off] the illumination is permanently switched off [on] the illumination is permanently switched on [time] the illumination is time-controlled	
[AUTO SET?]	Press [1] to accept the standard settings.	
[yes=1, no=0] [LOCKING?]	[0] locking times not activated, machine is always operational [1] locking times activated, machine is locked out at specific times	
[AUTO SET?]	Press [1] to accept the standard settings.	
[LOCKING 4321] [MO ACTIV : 1111]	The 4 locking times are shown as activated in the diagram on the left [1]. To change; use numbers 0 and 1. A four-digit number must always be entered. A "0" under locking time no. 4 means: Locking time not activated. Press [E] to move to the next weekday.	
[LOCKING zjJHF--S] [SELECTION10 11111111]	Here you have the option of linking selection key functions with off-times. An eight-digit number must be entered. 0 = locking time not activated; 1 = locking time activated.	
	z interfaced with 1	Deactivates age verification for this selection during locking time 1
	z interfaced with 0	Age verification is not time-dependent
	j interfaced with 1	When the age verification function is enabled, this selection checks that the user is of the minimum age (normally 16 years)
	j interfaced with 0	When the age verification function is enabled, this selection checks that the user is of the higher age (normally 18 years)
	J interfaced with 1	Age verification is deactivated for this selection
	J interfaced with 0	Age verification is activated for this selection
	H interfaced with 1	During inhibit time, this selection is sold at Happy Hour Price.
	F interfaced with 1	During inhibit time this selection is set to free vend.
	S interfaced with 1	During inhibit time this selection is inhibited.

Refer also to Age Verification function:

[INSTALLING MODE] - [MACHINE] - [AGE VERIFICATION]

Also refer to happy Hour

[INSTALLING MODE] - [CREDIT SYSTEM] - [HAPPY HOUR]

7.10 [INSTALLING MODE] M7

Machine parameters are programmed in the [INSTALLING MODE] menu. There are 7 sub-menus.

no.	Sub-menu	Note
1	[> MACHINE]	Basic machine settings, which affect the dialogue with the user, e.g. language, age verification, security codes etc.
2	[> COOLING CONTROL]	Monitors fresh foods switching on and off
3	[> CREDIT SYSTEM]	General settings for coin changers, card systems and banknote readers
4	[> READOUT]	Configuration and statistical data readout
5	[> COIN MECHANISM]	Relates to the coin mechanism settings
6	[> CARD SYSTEM]	Settings for payment systems such as e.g. microtronic®, fage® coges®
7	[> BANKNOTES]	Refers to banknote settings

[> MACHINE]	
[LANGUAGE]	Press [1] to change the language for text messages, press [E] to enter.
[CURRENCY]	Currency belonging to the country
[USE PROFILE]	It is determined here which profile should be used. [EXPERT], [USER 0], [USER 1]
[AGE VERIFICATION]	[none] The age verification function for the machine is deactivated. [activated] The age verification function for the machine is activated. For this purpose a document reader must be connected.
[VARIANT(1)]	The variant must be set in accordance with your machine version (see sticker on the inside of the machine). The control board needs to know what the configuration is. SN48 , 8 shelves, FS03 SN48 2T, 6 shelves, LM02 SN48 2T, 7 shelves, LM39
[FREE VEND MODE(1)]	If the sale is only to be accessible to specific customers (e.g. hotel foyer), the free vend mode can be switched on. Before making a selection the four-digit [FREE VEND CODE] must be entered. [FREE VEND TIME] is when goods are dispensed once the free vend code has been entered
[EXT. SERIAL. 5.2]	Programme machine data read out function. [HMI] or [readout]
[MACHINE NUMBER]	The machine can be given its own machine number
[MACHINE NUMBER]	The serial number is located on the machine identification plate.
[PCB-SERIAL NUMBER]	PCB = <u>P</u> rinted <u>C</u> ircuit <u>B</u> oard (circuit board) Nothing can be changed.
[LOCKING CODE] [CODE A IS:]	Managing the access to menus / access rights; Enter password;
[LOCKING CODE] [CODE B IS:]	see "7.10.1 Password request (Locking code)" on page 34
[TEL.NO. DC]	DC stands for Data Centre. The machine automatically dials this number. Telemetry connection is required for this.
[IN CASE OF DEF. TEL.]	If a fault occurs this number is shown to the customer in the display.
[SHOW TEMPERATURE]	With [yes] the cool zone temperature is shown in the display.
[TIME to DELIV.]	This is the time that the delivery pocket is open for the customer to remove the product.
ESCROW MOTOR (1)	[with] if the customer presses the refund button, the refund motor turns and prevents a possible jam.

[> MACHINE]	
[2 TEMP.SENS (1)]	Second chiller unit in Sidepack-units. Set to [no] here.
[LIGHT BARRIER (1)]	The light barrier acknowledges when a product has fallen into the delivery pocket.
[STORE EMPTY (1)]	[no] default [yes] By using this setting the control board records the number of the selection, from which no product could be vended. If a customer makes this selection again in order to purchase a product [SORRY SOLD OUT!] is displayed.
[SHELF DETECT (1)]	[off] default (does not apply to this machine)
[HELIX STOP]	[Only by motor SW.] The spiral stops when the final position is reached. [By MotSW or LB] (LB stands for light barrier) The spiral stops after reaching the limit switch. Or if the light barrier beam in the delivery pocket has been broken, even if the final position has not yet been reached.
[HELIX MODE]	These settings only have an effect if [By MotSW or LB] is programmed under [HELIX STOP]. [LIGHT BARRIER] The motor switch is ignored and the spiral turns for an additional 4 s max. If the light barrier beam has not been broken, [SORRY! SOLD OUT!] is displayed. [SINGLE TURN] The spiral stops when the final position is reached or, if the light barrier beam in the delivery pocket has been broken, depending on which occurs first.
[PROMOTION RUN]	Does not apply to this vending machine.
[OPEN DOOR LIGHTS]	[on] LED-product illumination is on when the door is open.

[> COOLING CONTROL]	
[TEMP. MONITORING] [SHELF 1: 0]	Using [1] the respective shelf can be switched on and off. With 1 fresh food monitoring is switched on. With 0 switched off. Shelf 1 is on the top, shelf 6 at the bottom.

[> CREDIT SYSTEM]	
[CREDIT SYSTEM]	The communication protocol is entered here. [FREE VEND] - [BDV] - [EXECUTIVE] - [BDV dual] - [MDB] - [KEY SYSTEM] - [MDB+EXEC] - [MDB+BDV]
[CRED. CONFIG.]	Setting the configuration for the coin mechanism automatically or manually. Some of the following fields appear only if you enter [MAN.CONFIG]. Refer to coin mechanism instructions.
[VEND. MODE]	[NO CHANGE/SINGLE] After a coin has been inserted, at least one product must be purchased before coins are refunded. [CHANGE/SINGLE] Single vend: In the case of over-payment refunding is automatic following product selection. [CHANGE/MULTI] Refund: No product has to be purchased; coins are refunded if the process is aborted. With this setting the machine may be misused as a coin changer.
[ESCROW AUTOM.]	Refers to change given in coins [off] (default) [on] requirement: [CHANGE + MULTI] or [NO CHANGE + MULTI] is set in [VEND MODE]. Change is automatically dispensed (without pressing the refund button) as soon as the credit is lower than the amount set under [max. RETURN].

[> CREDIT SYSTEM]	
[HAPPY HOUR]	[off] (default) The function is deactivated. If you set [HAPPY HOUR] to [on], various selections can be sold at a different price during a specified time. The cash price and the Happy-Hour price are entered in the [PROGRAMMING MODE] menu [M1]. The Happy-Hour time and the selections it applies to are set in the [PROG. TIME/LOCKS] menu [M6].
[PRESEL.TIME]	During the time specified it is possible to make a selection before inserting coins. The selection remains until money is inserted. If 0 is set, money must first of all be inserted, then a selection made so that a vend can take place.
[CLEAR CREDIT]	180 s (default) This function enables an additional waiting time to be entered whilst non-returnable change is still displayed, before it is finally deleted. This might be required for contactless card payment systems, where the card is debited with the amount and it only turns out afterwards that the product requested cannot be dispensed. The time entered here gives the customer the option of reversing the amount by re-presenting the contactless card to the machine.
[SESSION TIMEOUT]	For some card payment systems [CREDIT SYSTEM] instead of [VMC] must be programmed here.
[CHANGE BLOCKED]	[from 255 coins] [CHANGE BLOCKED] can be set to prevent the vending machine from being used as a coin changer. The limit for changing can be set from 0 to 255 coins, where only the number of coins inserted are counted and not their value. Even if the [VEND MODE] is set to no change, the machine will change inserted coins up to the lowest sales price.
[EXEC VEND RETRY]	This value defines the number of retries for sales requests if the EXEC-changer does not respond.
[CASH SALE]	[MDB 42] (default) The Cash Sale command operates in accordance with the MDB 4.2 version.
[CORRECT CHANGE]	[automatic] (default) [EXACT MONEY] is shown in the display if there are insufficient or no coins available. For cashless payment systems [EXACT MONEY] is inhibited by [never]

[> READOUT]	
[PROTOCOL]	[EVA-DTS] (default) Data transfer protocol between vending machine control board and payment system. [DEX/UCS]
[EVA-DTS VERSION]	[6.0 (5.x, 4.x)] (default) EVA-DTS Version setting.
[IRDA Adapter]	IRDA = Infrared-interface [IRDA] EVA-DTS Data is downloaded via the integrated IRDA-interface. [CABLE] This setting is necessary if, for example, a DEX/UCS interface can be connected to the display and EVA-DTS data is to be read out from it.
[EVA/DTS SEL.No.]	You can determine how the selection numbers are reported to MDB here and in EVA-DTS. This setting has no effect on machines with selection numbers starting with 1. [starts with 1] (default) The lowest selection number in the machine is 1. [starts with 10] The number being transmitted is the one shown as the selection number on the display.
[DDCMP BAUDRATE]	[AUTO] Infrared interface transmission speed.
[EXT. SERIAL 5.2]	Programme machine data read out function. [HMI] Read out using HMI-protocol [READOUT] Read out using downloading devices.
[EXT.READOUT PROT]	[DDCMP] Readout using DDCMP Protocol [DEX/UCS] This protocol is only required if a display with DEX/UCS interface is connected. The machine must subsequently be restarted.
[CGW REPORTS]	[no] (default) Is only necessary if online modules compatible to "Verbose" are to be installed. Sielaff uses the FTL mode for data transfer which includes additional information to NAMA standard Verbose.
[INTERVAL DT. CONF(1)]	(only when using EVA-DTS 6.1 Standard) [automatic] Once the statistics have been downloaded, they are deleted when the next vend is made (as before). [do not delete] The statistics are not deleted after downloading. Deletion must be started via IR.
[INTERVAL EV. CTL.]	(only when using EVA-DTS 6.1 Standard) [automatic] The errors are deleted once they have been read out and when the next vend is made (as before). [do not delete] The errors are not deleted after downloading. Deletion must be started via IR.
[DTS data select]	Fields can be switched on and off individually. The definition of the fields is described in the EVA-DTS specification. Fields: PA2 - PA3 - PA4 - PA5 - PA6 - PA7 - PA8 [on] Transfer is enabled. [off] Transfer of corresponding fields (e.g. PA8) is inhibited.

[> COIN MECHANISM]	
[TUBE FILL LEVEL]	[Coin mechanism] (default) Tube fill level is not counted by the control board, but by the coin mechanism. The tube level transmitted by the coin mechanism is what should be available for coin return. Please note that transmitting the tube level from the coin mechanism to the control board can take up to one minute.
[ALT. PAYOUT]	[on] The coin mechanism decides how the change is returned. For example, 20 cents can be returned as 2 x 0.10 € or 1 x 0,20 € or 4 x 0.05 € [off] The machine control board determines how the change is returned. The number of coins dispensed is kept to a minimum.
[COIN 1 DIS.: GA] [COIN 16 dis.: GA] COIN 1 dis.: GE 0.05 0T:000	The coin can be disabled by linking keys 0 and 1. Its value (0.05 corresponds to 5 cents) and the number of coins in the tube or in the cashbox is displayed. Meaning of the letters: G - disabled, A - paid 0T - no coins in the tube 0C - no coins in the cashbox 00 The coin is always accepted. 10 The coin is generally not accepted. 01 The coin will not be accepted if [CORRECT CHANGE] is displayed.
[TOKEN 1 VALUE]	If the coin mechanism accepts tokens, you can programme the values for up to three different tokens here.
[LIMIT COINS]	The minimum number of coins to the value shown that must remain in the coin mechanism is entered using the number keys. Using these settings the coin mechanism is filled or emptied in M9 [TUBE INVENT.] menu.
[HOPPER 1 VALUE]	The value of up to three hoppers can be entered here.
TUBES EMPTY INFO]	If the refund tubes are empty according to the logic link that is programmed here, the following message is indicated in the display [CORRECT CHANGE]. A → Tube with the lowest coin denomination
[CHANGE BLOCKED]	[from 255 coins] [CHANGE BLOCKED] can be set to prevent the vending machine from being used as a coin changer. The limit for changing can be set from 0 to 255 coins, where only the number of coins inserted are counted and not their value. Even if the [VEND MODE] is set to no change, the machine will change inserted coins up to the lowest sales price.
[CORRECT CHANGE]	[automatic] (default) [EXACT MONEY] is shown in the display if there are insufficient or no coins available. For cashless payment systems [EXACT MONEY] is inhibited by [never]

**NOTE**

Menu options [CHANGE BLOCKED] AND [CORRECT CHANGE] are also in the [CREDIT SYSTEM] menu; they interact with each other.

[> CARD SYSTEM]	
[ALWAYS IDLE]	For contactless card readers. [off] The card must be held against the contactless card reader at the same time as the product selection is being made. [on] Pre-selection of a product using contactless card readers is possible.
[PRICE LISTS]	This function depends on the card reader being used. [off] Price lists are disabled. [on] Two different prices for one selection can be entered here. The two prices are set in the [PROGRAMMING MODE] menu. In addition this function can be used for price lines in BDV/Executive. With this function the prices are stored in the coin mechanism and the price line corresponding to the selection must be programmed on the control board.
[REVALUE]	Revalue = top up onto a card. This function depends on the card reader in use. [on] The amount inserted is credited onto the card. In this case the card must be inserted before the money.
[MIXED PAYMENT]	[on] Mixed payment is possible (e.g. coins and card).
[MDB CARD 2]	[on] if a second card reader is connected.
[P.LIST / READER]	[L1+L2 -> all] Both price lists are valid for card 1 and card 2. [L1->R1/L2 ->R] Price list 1 is valid for card 1, price list 2 is valid for card 2.
[MIXED PAYM. PRICE]	[cash price] The [CASH PRICE] entered in the [PROGRAMMING MODE] menu is used. [cashless PL] The price entered in the [PROGRAMMING MODE] menu is used for the corresponding [PRICELIST 1] or [PRICELIST 2].
[MDB-comp.mode]	[standard] Most credit systems work in this mode. [b. practice] (best practice) Additional information is transmitted in this mode. It is required mainly for future applications. Some credit systems already work in this mode.
[REFUND FAILURE]	How the vending machine is to react if an error occurs during product delivery is programmed here. [CLEAR CREDIT] this is the standard setting. The credit is deleted. [USE AS CASH] The amount is topped up on a card or key when it is allowed to do so by the card reader and [REVALUE] is set to [on]. If no card reader is connected, the amount is converted into cash. The credit remains for the amount of time programmed in [CREDIT LOST] in sub-menu [CREDIT SYSTEM].
[MDB ITEM NUMBERS]	Defines how selection number data is transmitted in Vend Request and other MDB commands. [Hexadezimal] default. [BCD] Selection numbers are transmitted BCD-coded. Some card systems require this coding.
[CARD REMOVAL]	[before vend] The card can be removed before product delivery. [after vend] The card can only be removed after product delivery.
[CASH SALE]	MDB 42 (default) The Cash Sale command operates in accordance with the MDB 4.2 version.
[EVA/DTS SEL.No.]	You can determine how the selection numbers are reported to MDB here and in EVA-DTS. This setting has no effect on machines with selection numbers starting with 1. [starts with 1] (default) The lowest selection number in the machine is 1. [starts with 10] The number being transmitted is the one shown as the selection number on the display.

[> BANKNOTES]	
[ESCROW]	Only with banknote readers: This function affects the method of refund if a vend fails. The banknote is held so that it can still be returned if necessary. [hold] If a vend fails the last banknote is returned. [stack] This means the banknote is stacked and the value is paid out in coins. Stack means that the cassette is stacked with notes.
[BANKNOTE 1 dis.:HG]	The banknote can be blocked by linking keys 0 and 1. Its value (5.00 corresponds to 5 Euro) and the number of notes is displayed. Meaning of the letters: [H] high security (high level of accuracy) [G] blocked OT = no coins in the tube OC = no coins in the cashbox [00] The banknote is always accepted. [10] The banknote is checked with a higher level of accuracy. [01] The banknote is not accepted.

7.10.1 Password request (Locking code)

- In order to avoid unauthorised programming the menus can be assigned a locking code. The locking codes are structured hierarchically.
- [CODE A] provides the lowest access level. It unlocks the [COOLING], [TEST VENDS] [SHOW STATISTICS] and [SHOW FULL STAT] menus. Code A is intended for the machine filler.
- [CODE B] unlocks the [PROGRAMMING MODE], [SHOW FULL STAT], [PROG.TIME/LOCKS], [INSTALLING MODE] and [SERVICE MODE] menus.
- If you enter [CODE B], even if [CODE A] is requested, all menus can be accessed. The security codes can be freely selected from 0 to 9999.
- If [CODE A] is entered, [CODE B] has to also be entered. Both codes can be the same.

SECURITY CODE CODE A IS: 0	Security code is set here i.e. programmed
CODE A ----	A menu locked using [CODE A] or [CODE B] requires the relevant code to be entered to obtain access. The digits are not displayed. After entering the code press [E] to confirm!

7.11 [SERVICE MODE] M8

- [SERVICE MODE] provides support for locating errors and machine maintenance.
- Various functions can be tested and the coin mechanism emptied.
- The so-called service numbers are identified in the table below.

How to proceed

1. Press [M] [8] [E] in sequence

→ [Serv.Number 0]

2. Press [2] [1] [L] in succession to display the software version installed.

→ The software version is shown in the display.

3. Press keys [L] and [M] at the same time.

→ This exits the menu

Service number	Display
1 – 85M	Checking the spiral containers
90M – 99M	Checking the bottle chutes
101 - 103M	Empty individual coins from the tubes of a 3-tube coin mechanism; if there are still coins in the tubes these must be removed using the coin mechanism service keypad. The information about which coin is assigned to which tube is shown on the identification plate on the coin mechanism.
105 - 109M	Empty single coins from the tubes of a 4- or 5-tube coin mechanism
111 – 113M	Empty all coins from the tubes of a 3-tube coin mechanism
115 – 119M	empty all coins from the tubes of a 4- or 5-tube coin mechanism
201M	Checking the chiller unit; Do not carry out this test several times in succession, because the compressor will no longer start against the pressure build-up.
202M	Check heater
203M	Check illumination
204M	Check evaporator fan
214M	Configuration reset; The containers are assigned to the motors in accordance with the machine type entered.
1L	Processor voltage display
5L	Check temperature and temperature sensor If a temperature of 99°C is displayed, the sensor or the lead from the control board is faulty. The reason could be a short-circuit or break.
21L	Software version display
22L	Control board run-time display
24L	The compressor run time is displayed in hours and minutes
29L	Display shows password entered
91L	Display shows all active MDB-equipment

7.12 [TUBE INVENTORY] M9

In the [TUBE INVENT.] menu the individual tubes in the coin mechanism can be filled in accordance with number of coins set in [LIMIT COINS]. In addition, the coin mechanism can be completely emptied.

Tubes to limit

1. Press [M] [9] [E] in sequence
→ [Tubes EUR] [FILL TO LIMIT]
 2. Insert coins until the relevant notification appears
→ The coin mechanism is ready to use
- ✓ The coin mechanism has been filled.

Empty all tubes

1. Press [M] [9] [E] in sequence
→ [Tubes EUR] [FILL TO LIMIT]
 2. Press [M]
→ [EMPTY ALL TUBES]
 3. Press [M]
→ [EMPTY ALL TUBES/ARE YOU SURE?]
 4. Press [M]
→ The coin mechanism dispenses all coins.
- ✓ The tubes are empty.

8. Storage, decommissioning, mothballing and disposal

Storage

The vending machine should be stored in a clean and dry place. Protect from dirt, moisture and damage with a suitable cover.

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

Decommissioning

The vending machine can be temporarily taken out of service.

- Pull out the mains plug
- Remove products
- Leave the vending machine door ajar
- For recommissioning, see Commissioning

Mothballing

When the vending machine has reached the end of its service life, it is mothballed:

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

Disposal

For correct disposal of the vending machine, please contact customer services at +49 9825 - 18 31 5102

You can send the vending machine to the manufacturer (headquarters Herrieden, Germany) at your own expense. The manufacturer will then arrange for proper disposal.

If desired, you can ask the manufacturer for suitable disposal companies to carry out the disposal on your own.



This symbol means that the marked product must not be disposed of in household waste at the end of its life, but must be sent for separate collection. Details may differ in your country.

9. Maintenance schedule

To keep unexpected machine down-time to as low a level as possible, we recommend that the following maintenance schedule is adhered to. Depending on the environmental conditions on site it may be necessary to adapt the maintenance intervals.

Every 30,000 vends - or every 12 months

Housing, machine door

OK	Component	Cleaning aids	Action/ procedure
	Safe machine position		Check
	Machine exterior	Care and cleaning products	Clean
	Machine door closes properly		Check
	Insulating glass panel	Glass cleaner	Clean
	Coach bolts at top and bottom of machine door	998 90 023 00	Lubricate
	Door seal, all around		Check clean, maintain if necessary
	Catch	998 90 023 00	Lubricate
	Hinge pin, locking bolts		Lubricate
	Lock	According to manufacturer's instructions	Lubricate
	Product illumination		Check
	Min 2.8V back-up battery for machine control board	Voltmeter	Check

Product container

OK	Component	Cleaning aids	Action/ procedure
	Legibility of the price/selection labels		Check
	Inside the product container	Rinsing water	Clean
	Product container locking function		Check

Payment system

OK	Component	Cleaning aids	Action/ procedure
	Coin mechanism (optional)		According to manufacturer's instructions
	Card reader (optional)		According to manufacturer's instructions
	Banknote reader (optional)		According to manufacturer's instructions

Product delivery unit

OK	Component	Cleaning aids	Action/ procedure
	Delivery outlet flap, freedom of movement		Check
	Light grid (optional)	Flashing mode green LED at 0.5 seconds cycle / red box	Check

Chiller unit

OK	Component	Cleaning aids	Action/ procedure
	Compressor	Brush, compressed air	Clean
	Condenser	Brush, compressed air	Clean
	Base plate ventilation slots		Clean
	Seals and sealing strips		Check
	Plugs and connectors		Check
	Fan	Brush, compressed air	Clean
	Gas sensor (no visible damage)		Check
	Gas inlet on gas sensor: Dust, dirt, moisture deposits	Brush, cloth	Clean
	Initiate self test		Check
	Test gas sensor using test gas	Test gas	Check

If required

OK	Component	Cleaning aids	Action/ procedure
	Electrical routine check in accordance with VDE 0701		Carry out

10. Technical data

The identification plate is located inside the cabinet - top right - and is visible when the door is open.

Type	SN 48
Selections	max. 48
Product containers	6
Dimensions (H x W x D)	1830 x 880 x 840 mm
Door and seals removed for transport through narrow doors: Dimensions (H x W x D)	1830 x 880 x 785 mm
Weight [kg]	265
Electrical connection	220-230 V; 50/60Hz; 10 A
Power consumption [W]	see type plate
On site fuse protection	10A (Characteristic B)
Electrical connection on site	Protective earthed sockets (installed in accordance with VDE)
Ambient temperature	+16°C to +32°C

A-rated sound-pressure level emission in the workplace

$$L_{pA} < 70 \text{ dB}$$

Variation factor

$$K_{pA} = 6 \text{ dB}$$

The values were determined in accordance with EN 60335-2-75:2004+A1:2005+A11:2006+A2:2008+A12:2010 i.V. with EN ISO 11202:2010.

NOTE: The sum of noise emission and associated variation factor represents an upper limit of values which might occur when measurements are taken.

Information regarding regulation (EU) no. 517/2014

Chiller unit	Power	Cooling agent	Filling quantity	GWP	CO2-equivalent
SKA 415 ¹	400 W	R290	130 g	3	0.00039 t
SKA 705 ¹	650 W	R290	150 g	3	0.00045 t

1) contains propane gas, C3H8 in hermetically sealed equipment.

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Declaration of Conformity

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

We, the manufacturer, hereby confirm under our sole responsibility that the vending machine type specified below complies with the essential requirements of the UK legislation and are in conformity with the listed standards.

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

Description: Confectionery machine
Machine Type: SÜ ..., FS ..., SN

UK legislation applicable:

Supply of Machinery (Safety) Regulations 2008

The following designated standard also apply:
 BS EN 60335-1+A2:2012

Electromagnetic Compatibility Regulations 2016

The following designated standards also apply:

BS EN 55011+A2:2016
 BS EN 55014-1+A11:2017
 BS EN 55014-2:2015
 BS EN 61000-3-2:2014
 BS EN 61000-3-3+A1:2013

Label for serial number

Label for name plate

The Ecodesign for Energy-Related Products and Energy Information (Amendment) (EU Exit) Regulations 2019

The following designated standard also apply:
 BS EN 50597:2018

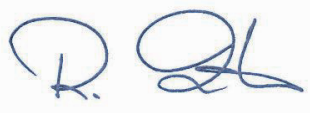
The Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment Regulations 2012

The following designated standard also apply:
 BS EN IEC 63000:2018

The technical documentation for the machinery is available from:

Jason Heeley, Sielaff UK Limited, Unit 1 South Staffs Freight Terminal, Lynn Lane, Shenstone, Lichfield WS14 0ED.

Herrieden, 01.10.2021
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