

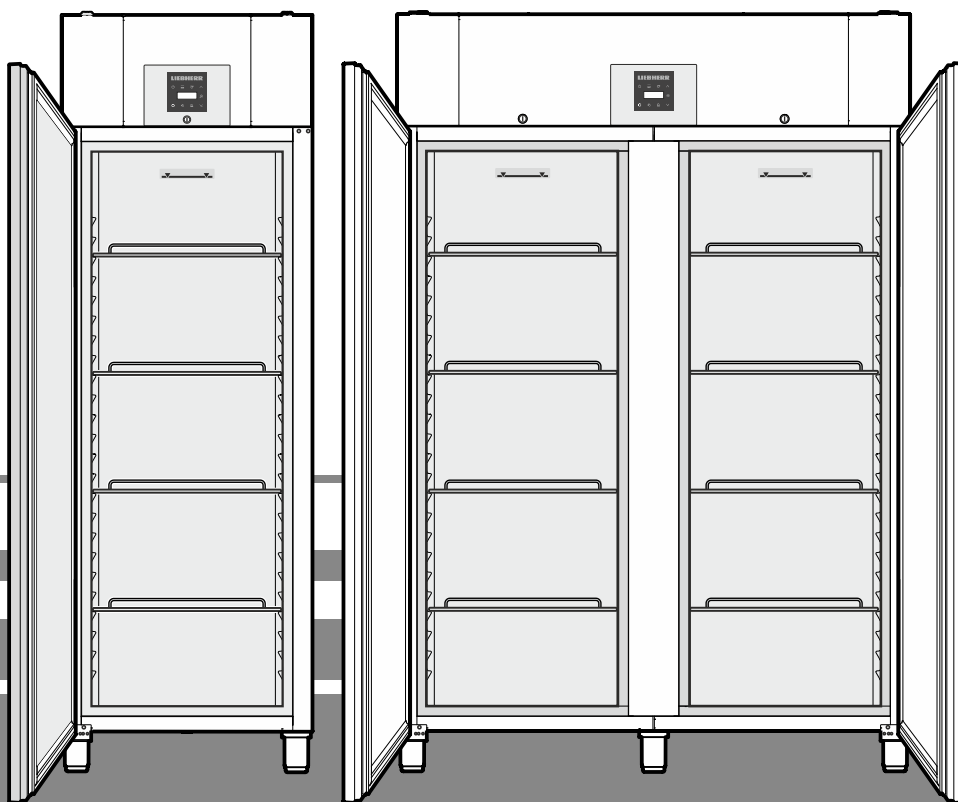
Original operating instructions

Commercial refrigerator

Read the operating instructions before switching on for the first time

Page 14

EN



GK Pv 6590
GK Pv 1490

7085 419-04

LIEBHERR

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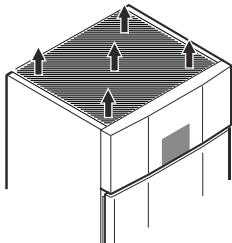
EPREL database

As from 1 March 2021, information about energy labelling and ecodesign requirements will be available in the European product database (EPREL). You can access the product database using the following link: <https://eprel.ec.europa.eu/>. You will be asked to enter the model identifier. You will find the model identifier on the type plate.

Priority of warnings




⚠ DANGER	identifies a situation involving direct danger which, if not obviated, may result in death or severe bodily injury.
⚠ WARNING	identifies a dangerous situation which, if not obviated, may result in death or severe bodily injury.
⚠ CAUTION	identifies a dangerous situation which, if not obviated, may result in minor or medium bodily injury.
NOTICE	identifies a dangerous situation which, if not obviated, may result in damage to property.
Note	identifies useful information and tips.

Safety instructions and warnings

- **WARNING:** do not seal ventilation openings on the appliance housing or enclosure. 
- **WARNING:** only use the mechanical devices or other aids recommended by the manufacturer to help speed up the defrosting process.
- **WARNING:** do not damage the refrigerant circuit.
- **WARNING:** do not use any electrical devices in the refrigerator compartment which do not comply with the design recommended by the manufacturer.
- **WARNING:** the mains cable must not be damaged while installing the appliance.
- **WARNING:** multi-sockets or distributor strips and other electronic devices (such as halogen transformers) must not be positioned and operated at the rear of appliances.
- **WARNING:** this appliance must be secured as described in the operating instructions to rule out any potential risks due to its instability.
- This appliance can be used by children of 8 years old and over, and also by persons with restricted physical, sensory or mental capacity or lack of experience and knowledge, if they are supervised or have been instructed on safe use of the appliance and understand the resulting risks. Children must not be allowed to play with the appliance. Cleaning and user maintenance must not be carried out by children without supervision.
- Do not store any explosive substances, such as aerosol containers with flammable propellant gas, inside the appliance.

- To prevent injury and damage to property, the appliance should only be installed by two people.
- After unpacking it, check the appliance for signs of damage. Contact the supplier if it is damaged. Do not connect the appliance to the mains power supply.
- Avoid prolonged skin contact with cold surfaces (e.g. chilled/frozen products). If necessary, take safety action (e.g. gloves).
- All repairs and work on the appliance may only be carried out by customer service personnel or other trained personnel. The same applies to changing the mains power cable.
- Only carry out repair and other work on the appliance when the mains plug has visibly been disconnected.
- Only install, connect and dispose of the appliance as described in these operating instructions.
- In the event of a fault, pull out the plug or switch off the fuse.
- When disconnecting the appliance from the mains, pull on the plug. Do not pull on the cable.
- Ensure that food which has been stored for too long is not consumed. Dispose of food which has been stored for too long properly.
- Do not allow naked flames or ignition sources to enter the appliance.
- Alcoholic drinks or other vessels containing alcohol should be sealed tightly for storage.

Symbols on the appliance

	The symbol can be located on the compressor. It refers to the oil in the compressor and indicates the following danger: swallowing or inhaling can be fatal. This is only relevant for recycling. There is no danger in normal operation.
	Warning about inflammable substances.
	A sticker to this effect may be applied to the rear of the appliance. It refers to the foampadded panels in the door and/or the housing. This is only relevant for recycling. Do not remove the sticker.

Intended use

The appliance is suited only for cooling food.

This appliance may be used to display food and drink in retail sales outlets. It is suitable for commercial use, for example in restaurants, canteens, hospitals and in commercial businesses such as bakeries, butchers' shops, supermarkets, etc.

This professional refrigeration appliance is designed for storing chilled food. It is **not** designed for the presentation of food or for the removal of food by customers.

The appliance is designed for use in enclosed rooms. All other types of use are not permitted.

Foreseeable incorrect use

Do not use the appliance for the following applications:

- Storage and cooling of medicines, blood plasma, laboratory preparations or similar substances and products subject to the Medical Devices Directive 2007/47/EC.
- Use in potentially explosive atmospheres.
- Use outdoors or in areas where it is exposed to splash water or damp conditions.

Incorrect use of the appliance will result in damaging or spoiling the goods stored in it.

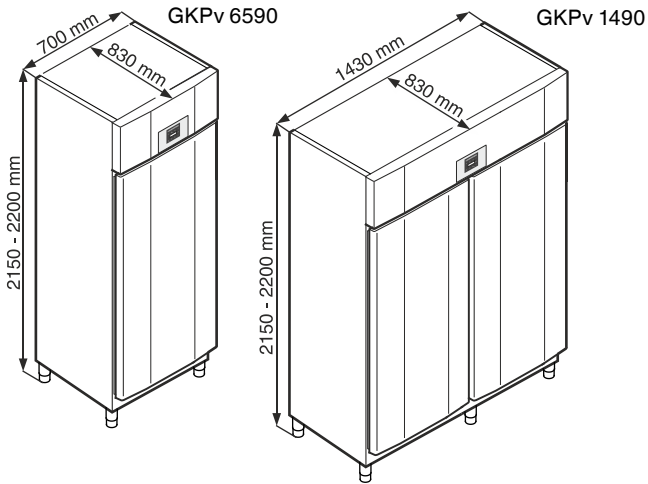
Declaration of conformity

The refrigerant circuit has been tested for leaks. The appliance complies with the relevant safety regulations and EU Directives 2006/42/EG, 2014/30/EU, 2009/125/EG and 2011/65/EU.

Noise emissions from the appliance

The noise level while the appliance is operating is below 70 dB(A) (relative noise level 1 pW).

Appliance dimensions



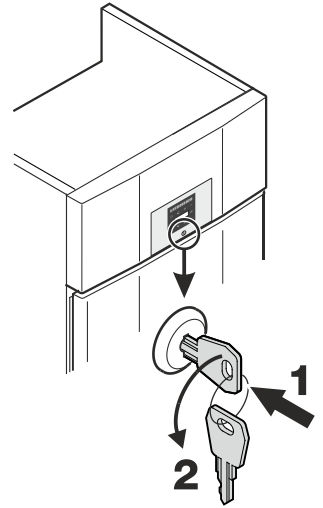
Safety lock

The lock is equipped with a safety mechanism.

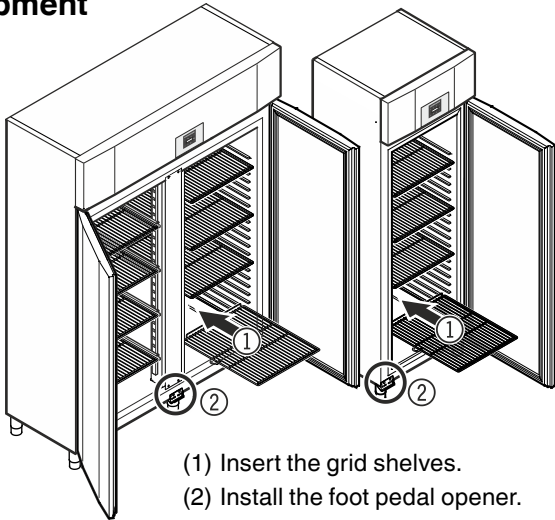
Locking the appliance

- Insert the key as shown by arrow 1.
- Turn the key 180° (2).

To unlock the appliance, the same procedure must be repeated in the same order.



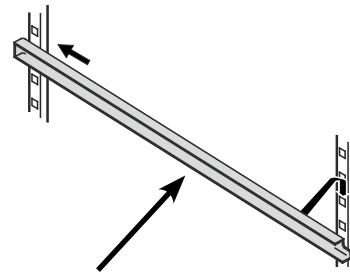
Equipment



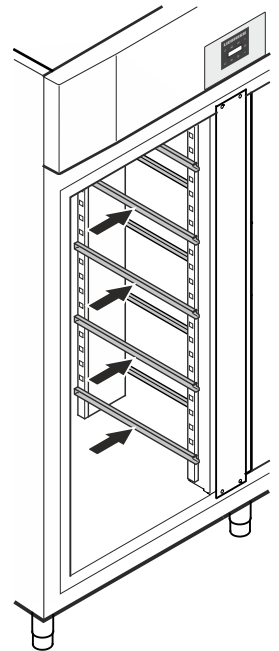
- (1) Insert the grid shelves.
- (2) Install the foot pedal opener.

GKPv 1490 equipment

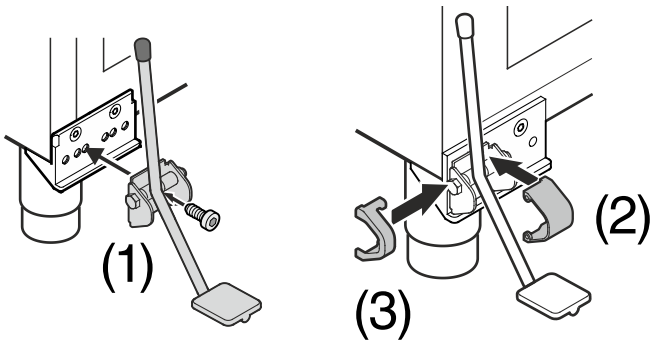
Fit the supplied shelf rails to the right and left of the vertical bar.



Suspend the rails at the desired height, by inserting into the rear clip-in strip first and then clipping in at the front.

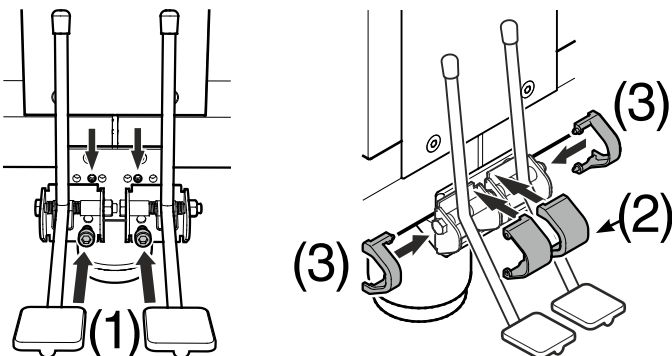


Installation of foot pedal door opener on GKPv 6590

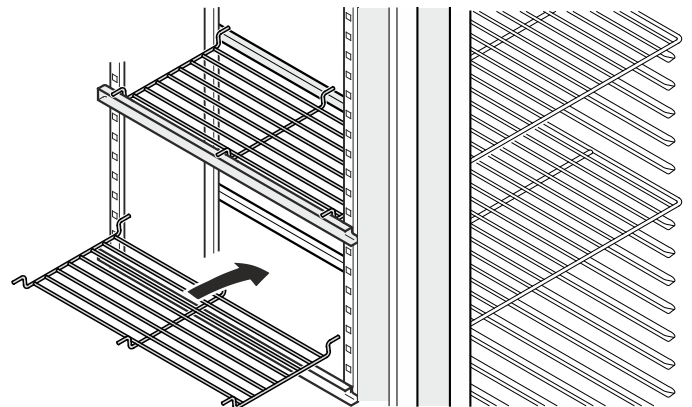


Installation of the foot pedal opener for the left-hand hinged door is described in the section entitled "Changing over door hinges" (page 25).

Installation of foot pedal door opener on GKPv 1490



Intermediate shelves











Place the supplied intermediate shelves onto the shelf rails.

NOTICE












The maximum load per intermediate shelf is 20 kg.

Operating and control elements



-  On/Off button (switching the appliance on and off)
-  Button for calling up stored alarm events
-  Humidity function
-  Selection buttons
-  SuperCool button
-  Audible alarm Off button
-  Defrost button (for manually activating the defrost function)
-  Enter button


Symbols in the display

-  Compressor is running
-  LED flashing - refrigeration unit switches on after a delay. The compressor will start automatically after the pressure in the refrigerant circuit has equalised.
-  Fan is running
-  Appliance is defrosting
-  The  display means that the power supply and interior temperature of the appliance are recorded.
-  If  flashes in the display, there has either been a power failure or the temperature in the appliance exceeded the permissible range.
-  SuperCool is activated
-  Alarm function
-  The appliance has suffered a fault. Contact the customer service department.


Switching the appliance on and off

Connect the appliance to the mains. Display = **OFF**


Switching the appliance on


Press  for approx. 3 seconds. Display = **ON**


Switching the appliance off


Press  for approx. 3 seconds. Display = **OFF**

Setting the temperature

Press  for 1 second. The temperature display flashes.

To increase the temperature (warmer): press button .

To reduce the temperature (colder): press button .



Press  again. The desired temperature setting is saved.

Note



The temperature in the warmest area of the interior may be higher than the temperature setting. If the door is left open for a lengthy period, the temperature in the appliance's compartments may rise dramatically.

Temperatur display mode



The temperature display can be switched between degrees Celsius and degrees Fahrenheit. Factory setting is degrees Celsius.


Press  for 5 seconds. Display = 

Press . Display = |

Use button  or  to select the desired setting.



0 = °C 1 = °F



Press . Display = 




Press  for 5 seconds. The electronic control system will switch back to normal operating mode.


Humidity function

Certain foods must be stored in a humid atmosphere (e.g. baked goods). To prevent such foods from drying out, the humidity function must be activated.

Press  for 2 seconds. Display = 

Use buttons   to select the desired humidity setting.



 = high  = medium  = low

Press . The electronic control system will switch back to normal operating mode.

SuperCool

Use SuperCool, to rapidly cool large amounts of food. When SuperCool is activated, the appliance operates with maximum cooling performance.



Activating SuperCool

Press  for approx. 3 seconds. Display = 

Place the fresh food in the appliance.



The electronic control system will automatically switch back to normal operating mode.

Prematurely deactivating SuperCool


Press  for approx. 3 seconds. Display = 

Door open alarm

When the door is opened, the LED  lights up and the temperature display begins to flash.


When the door has been left open for more than 240 seconds, the LED  begins to flash, and  and the temperature indication flash alternately in the display.

The audible warning signal sounds (unless the audible warning signal function has been deactivated).


If the door has to stay open for longer in order to insert items to be cooled, cancel the audible warning signal by pressing button .



Setting the delay time for the door open alarm

The time before the audible warning signal sounds after the door has been opened can be adjusted.


Press  for 5 seconds. Display = r¹5

Press  until  appears in the display.

Press . Display = | Setting range = 1 - 5 minutes.


Use button  or  to select the desired setting.


Press . Display = 



Press  for 5 seconds.

The electronic control system will switch back to normal operating mode.

Audible warning signal settings

The audible warning signal will be muted for the current alarm after the button  has been pressed. Complete the following steps if you want the audible warning signal to reactivate automatically.

Press  for 5 seconds. Display = r¹5

Press  until  appears in the display.

Press . Display = |

Press . Display = |



Press . Display = 

Automatic reactivation of the audible warning signal is now active.


The time before the audible warning signal sounds again must be set.

Press . Display = 

Press . Display = | Setting range = 1 - 120 minutes.

Use button  or  to select the desired setting.

Press . Display = 

Press  for 5 seconds.


The electronic control system will switch back to normal operating mode.



Deactivating the audible warning signal function

The audible warning signal function can be completely deactivated if necessary.

Press  for 5 seconds. Display = r¹5


Press  until  appears in the display.

Press . Display = |

Use button  or  to select the desired setting.

0 = activated 1 = deactivated

Press . Display = 

Press  for 5 seconds.



The electronic control system will switch back to normal operating mode.


Alarm test

This test checks the function of the internal and any external connected alarm device.

The appliance does not stop its refrigerating function during this test.


Press  +  for 5 seconds.

- The display will change to a temperature value of 0.2°C below the set upper alarm limit.
- The temperature value will now rise by 0.1°C every 2 seconds.
- When the upper alarm limit is reached,  will appear in the display. An external alarm unit connected to the floating alarm output will now be activated.
- The temperature value will continue to rise up to 0.2°C above the upper alarm limit.
- The same process will take place automatically for the lower alarm limit.  will appear in the display.



The LED  will be lit during the test.

The electronic control system will automatically switch back to normal operating mode.

Cancelling the test prematurely


Press  for 5 seconds.

Note

If the values of the upper and lower alarm limit (**AL** and **AH** in the section entitled "**Adjusting the alarm parameters**") are set to **0**,  - - and  - - will appear in the display during this test.

Alarm messages

1. LED flashes in the display

If  appears in the display, the appliance has a fault. Consult your nearest customer service point.

2. LED flashes in the display; the display reads HI or LO

The interior is too warm (HI) or too cold (LO).

The audible warning signal sounds (unless the audible warning signal function has been deactivated).

Note

The alarm parameters can be adjusted. See **Adjusting the alarm parameters**.


3. HA / HF / flashes in the display

There has been a power cut (**HF**) of some length or the interior was too warm or too cold (**HA**) during a certain period of time.

Up to three alarm events can be stored and called up.


Adjusting the alarm parameters



The alarm limits (difference to the set temperature) and the alarm delay (delay until alarm sounds) can be adjusted.

Press  for 5 seconds. Display = r¹5


Press  until rL appears in the display.


rL = Lower alarm limit


Press . Display = temperature difference in °C



Use button  or  to select the desired setting.

Set positive values only.


Press . Display = rL


Press . Display = rH Upper alarm limit


Press . Display = temperature difference in °C



Use button  or  to select the desired setting.

Set positive values only.


Press . Display = rH

Press . Display = r¹

Press . Display = alarm delay in minutes



Use button  or  to select the desired setting.

Press . Display = r¹

Press  for 5 seconds. The electronic control system will switch back to normal operating mode.

Calling up stored alarm events and reading the temperature progression

Press . Display = rH r¹

Scroll through the list using  or .

rH r¹ Number of temperature alarms

rH Last temperature alarm

rH | Last temperature alarm but one

rH 2 Temperature alarm before rH |

rH r¹ Number of power cuts

rH Last power cut


rH | Last power cut but one


rH 2 Power cut before rH |

r¹ Period in hours in which the maximum and minimum interior temperatures were measured

r^H Maximum (highest) measured temperature

r^L Lowest measured temperature



Select the required item using the  button. Press this button again to return to the list.


You can exit the menu at any time by pressing  for 5 seconds.

If no button is pressed within 60 seconds, the electronic control system switches back automatically.

Resetting the stored alarm events HAn


Press . Display = rH r¹



Press  +  for 5 seconds. Display = r¹ 5.

Press  for 5 seconds.


The electronic control system will switch back to normal operating mode.

Resetting the recorded temperature progression rt


Press . Display = rH r¹

Press the button  or  until r¹ 5 appears in the display.

Press . Display = 0-999

Press  for 5 seconds. Display = r¹ 5.

The values for r^H and r^L (highest and lowest measured interior temperature) are then reset to the current interior temperature.


Press  for 5 seconds.

The electronic control system will switch back to normal operating mode.

Example of an alarm query


Situation: HA/HF/  flashes in the display.


Press  Display = rH r¹

Press . Display = 0


There has not been an alarm status with a too high or too low temperature. You must switch to display rH r¹.


Press . Display = rH r¹


Press  until rH r¹ appears in the display.


Press . Display = | 1 power failure has occurred.


Press . Display = rH r¹


Press . Display = rH Last power failure.

Press . Display = 300 (year)



Press . Display = 100 (month 1-12)


Press . Display = 100 (day 1-31)

Press . Display = 100 (hour 0-23)

Press . Display = 100 (minute 0-59)


Press . Display = 100 (period of time in minutes)

Press  +  for 5 seconds. Display = r¹ 5

The  LED will now light up permanently.

HA/HF is cancelled in the display.

The electronic control system is now ready for the next alarm.

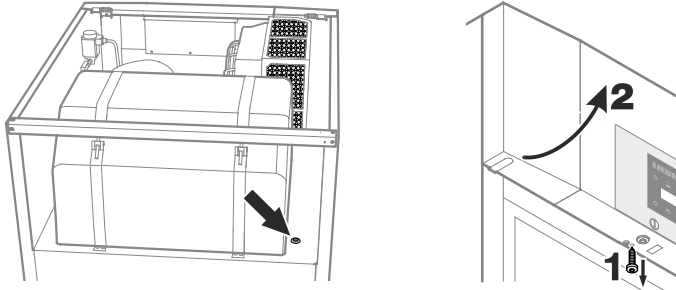
Press  for 5 seconds. The electronic control system will switch back to normal operating mode.

Product sensor (available accessory)

The temperature may be measured or recorded at any point in the interior using the product sensor.

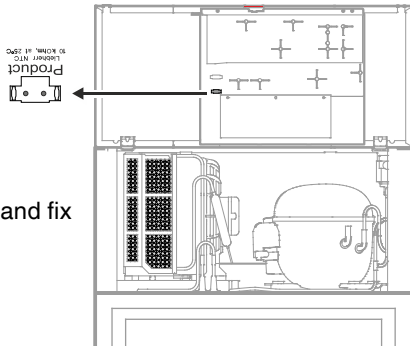
Remove the plug!

1. Feed the sensor through the opening in the compressor compartment and position inside the appliance.
2. Undo the screw on the underside of the front panel. Tilt the front panel upwards.



Seal the opening with sealant.

3. Plug in the product sensor plug.
4. Close the front panel and fix with the screw.



Activation of the product sensor

Press for 5 seconds. Display = r¹5

Press until r¹93 appears in the display.

Press . Display = |

Press . Display = |

Press . Display = r¹93

Press for 5 seconds. The electronic control system will switch back to normal operating mode.

If appears in the display, the product sensor has not been activated.

If appears in the display, the product sensor has not been connected, or is faulty.

Switching the temperature display between control sensor and product sensor

Press for 5 seconds. Display = r¹5

Press until r¹1| appears in the display.

Press . Display = | (control sensor)

Press . Display = 2 (product sensor)

If the product sensor is activated, appears in the display.

Press . Display = r¹5

Press for 5 seconds. The electronic control system will switch back to normal operating mode.

Calibrating the product sensor

Possible tolerances of the product sensor (the displayed temperature compared to the actual interior temperature) can be offset with this function.

Press for 5 seconds. Display = r¹5

Press until r¹13 appears in the display.

Press . Display = |

Use button or to increase or decrease the correction value in 0.1°C increments.

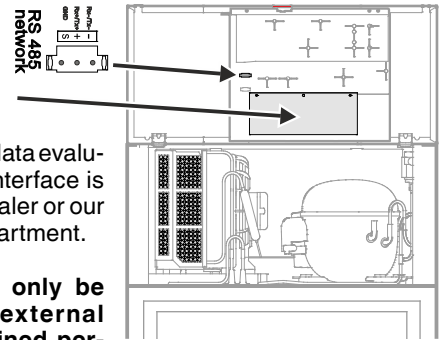
Press . Display = actual (corrected) product sensor temperature

Press . Display = r¹13

Press for 5 seconds. The electronic control system will switch back to normal operating mode.

External alarm

A floating alarm contact and an RS485 interface are available.



A refitting kit for serial data evaluation via the RS485 interface is available from your dealer or our customer service department.

The appliance may only be connected to an external alarm device by trained personnel.

Changing the network address

When connecting several appliances via the RS485 interface, each appliance must have its own network address.

Press for 5 seconds. Display = r¹5

Press until H| appears in the display.

Press . Display = |

Use button or to change the network address (1-207).

Press . Display = H|

Press for 5 seconds. The electronic control system will switch back to normal operating mode.

Resetting the parameters to factory settings

The alarm limits and sensor calibration values can be reset to the factory settings using this function.

Pull out the mains plug.

Keep pressed and connect the mains plug.


Display = 6r1|


Press . Display = 5t d


The electronic control system will switch back to normal operating mode.


Setting the real time clock




The real time clock is preset (CET). For a different time zone, the time must be adjusted manually.


Press  for 5 seconds. Display = r15


Press . Display = 12




Press . Display = 2000 (year)


Press . Display = 00


Set the year by pressing the   buttons. Press .

Press . Display = 0100 (month 1-12)

Press . Display = 00

Set the month by pressing the   buttons. Press .


Press . Display = 0100 (day 1-31)


Press . Display = 00


Set the day by pressing the   buttons. Press .

Press . Display = 1000 (days of the week)




(1 = Monday, 7 = Sunday)


Press . Display = 00


Set the day of the week by pressing the   buttons. Press .




Press . Display = 1000 (hour 0-23)


Press . Display = 00


Set the hour by pressing the   buttons. Press .

Press . Display = 0000 (minute 0-59)

Press . Display = 00

Set the minutes by pressing the   buttons. Press .

Press  for 5 seconds. The electronic control system will switch back to normal operating mode.

When  appears in the display, the real time clock must be reset.

Conversion from summer to winter time

Conversion to summer time is carried out automatically by the electronic control system on the last Sunday in March at 2 o'clock in the morning.

Conversion to winter time is carried out automatically by the electronic control system on the last Sunday in October at 2 o'clock in the morning.



In order to enable the new time, the appliance must be switched off and on after each of the times specified above.

Enabling/disabling automatic conversion from summer to winter time

Press  for 5 seconds. Display = r15


Press  until  appears in the display.

Press . Display = |

Use button  or  to select the desired setting.

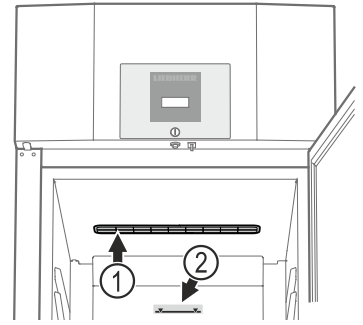
0 = deactivated 1 = activated

Press . Display = 


Press  for 5 seconds. The electronic control system will switch back to normal operating mode.

Storing

The grid shelves can be moved to accommodate different height bottles or packages.



(1) The ventilation slots on the inside must not be covered!

(2) Stacking mark 

Only load the top shelf up to the stacking mark. This is important so as to ensure that the air can circulate properly and the temperature is even throughout the interior.

NOTICE

Store raw meat or fish in clean sealed containers on the bottom shelf of the refrigerator/freezer compartment so that it cannot come into contact with any other food or drip liquid onto it.



A failure to follow these instructions may result in the food being spoilt.

Defrosting


The refrigerator compartment defrosts automatically.

Activating the defrost function manually

If the door has been left slightly open for a long time, a layer of ice may form in the interior and on the cooling plate. The defrost function can then be activated manually.

Press  for 3 seconds. Display =  + 

The electronic control system will automatically switch back to normal operating mode.



Display = 



Setting the display indication for the defrost phase

Press  for 5 seconds. Display = r15

Press  until  appears in the display.



Press . Display = |


Use button  or  to select the desired setting.

0 = Symbol  + alternating display of  and the current temperature in the interior of the appliance.

1 = Symbol  + temperature before the start of the defrost phase.

2 = Symbol  + 

Press . Display = 

Press  for 5 seconds. The electronic control system will switch back to normal operating mode.

Cleaning

⚠ WARNING

Before cleaning, always disconnect the appliance from the mains. Pull out the plug or switch off the fuse.

Surfaces which may come into contact with food and accessible drain systems must be cleaned at regular intervals.

⚠ CAUTION

Risk of damage to the appliance components and risk of injury due to hot steam.

Do not use steam cleaning equipment to clean the appliance.

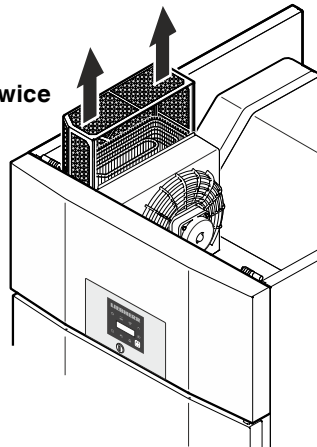
- Clean the inside, equipment parts and outer walls with lukewarm water and a little detergent. Do not use chemical solvents or any cleaning agents containing sand or acid.
- To avoid short-circuits, ensure no cleaning water penetrates into the electrical components when cleaning the appliance.
- Dry all parts well with a cloth.
- Use a commercially available stainless-steel cleaning agent for stainless-steel appliances.
- Do not damage or remove the type plate on the inside of the appliance. It is very important for servicing purposes.

Cleaning the dust filter

Clean the dust filter at least twice per year!

Remove the plug!

1. Remove the dust filter by lifting upwards.
2. Clean the dust filter with water and detergent.
3. Reinstall the dust filter.



Disposal notes

The appliance contains reusable materials and should be disposed of properly - not simply with unsorted household refuse. Appliances which are no longer needed must be disposed of in a professional and appropriate way, in accordance with the current local regulations and laws.



Do not damage the refrigerant circuit of an appliance that is no longer needed during its disposal.

This appliance contains inflammable gases in the refrigerant circuit and insulation foam.

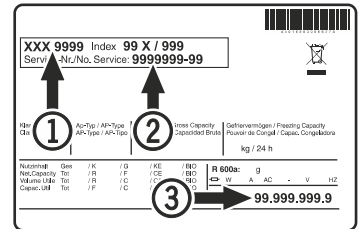
Your local council or a waste disposal contractor can provide information about how to dispose of the appliance correctly.

Malfunctions

You may be able to rectify the following faults by checking the possible causes yourself:

- **Appliance does not function:**
 - Is the appliance switched on?
 - Is the plug correctly fitted in the mains socket?
 - Is the fuse intact?
- **The temperature is not low enough:**
 - Is the temperature setting correct (see "Setting the temperature")?
 - Does the separately installed thermometer show the correct reading?
 - Is the ventilation system working properly?
 - Is the appliance set up too close to a heat source?

If none of the above causes apply and you cannot rectify the fault yourself, contact the nearest customer service department stating the type designation (1), service number (2) and appliance number (3) as indicated on the type plate.



The position of the type plate is shown in the section entitled **Description of the appliance**.

Possible error messages in the display

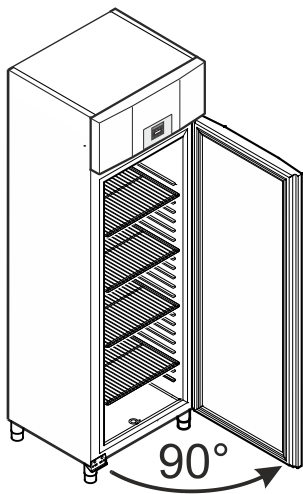
Error code	Error	Action
E0, E1, E2, rE	Temperature sensor defective	Contact the customer service department
EE, EF	Electronic control system error	Contact the customer service department
dOr	Appliance door open for too long	Close appliance door
HI	Temperature inside appliance too high (too warm)	Check that the door has been closed properly. If the temperature does not drop, contact the customer service department.
Note In addition to HI, the symbols + will flash in the display to indicate that the electric heaters of the appliance are automatically disabled in the event of a fault.		
LO	Temperature inside appliance too low (too cold)	Contact the customer service department
Etc		Reset the real time clock (see "Setting the real time clock")
HF, HA	There has been a power cut of some length or the interior was too warm or too cold during a certain period of time.	See Calling up stored alarm events and reading the temperature progression
AFr	Temperature around the product sensor < 0°C	Contact the customer service department

Shutting your appliance down

If the appliance is left empty for a lengthy period, it must be switched off, defrosted, cleaned and dried and the door is to be left open to prevent mould formation.

Changing over door hinges GKPv 6590

Door hinges should only be changed by a trained expert.
Changing the door hinges must be done by two people.



1. Open door by about 90°.

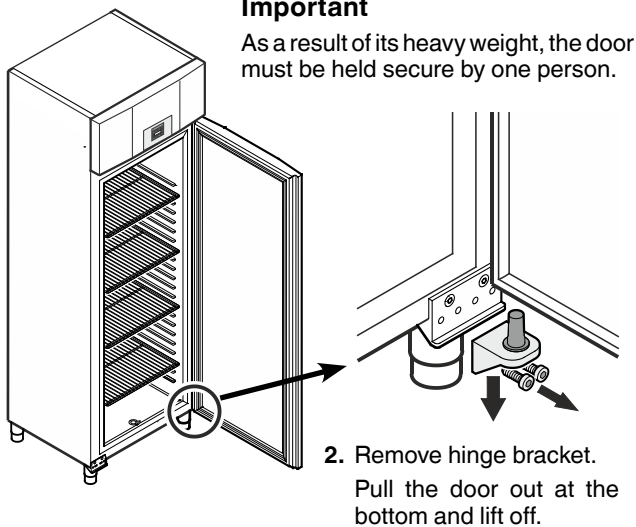
Important note

The door must be opened 90° before the lower hinge bracket is removed.

This will hold the self-closing mechanism that is integrated into the door in the required position for installation.

⚠ WARNING!

If the door is removed and reinstalled in the closed position, this will lead to destruction of the self-closing mechanism on the first opening of the door.

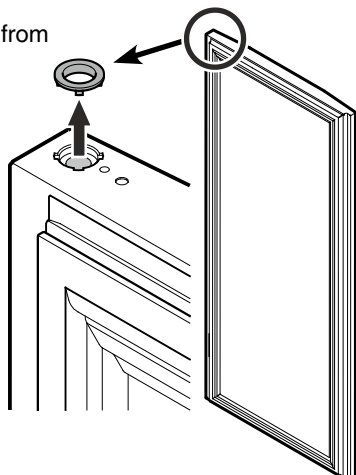


Important

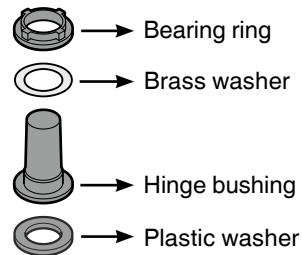
As a result of its heavy weight, the door must be held secure by one person.

2. Remove hinge bracket.
Pull the door out at the bottom and lift off.

3. Remove bearing ring from upper door mounting.

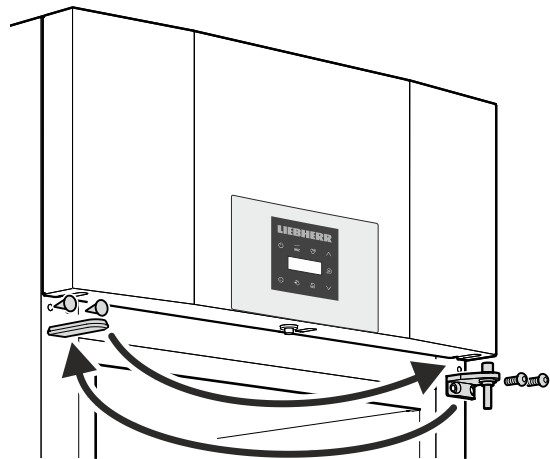
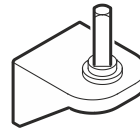


4. Remove the hinge components from the hinge bracket.

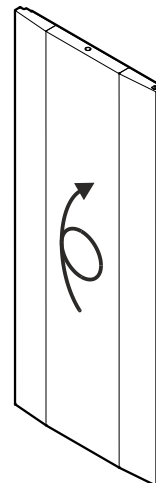


Note on point 4

The hinge bushing with brass washer and bearing ring may stick in the door mounting when you pull out the hinge bracket and, in this case, must be removed from it.

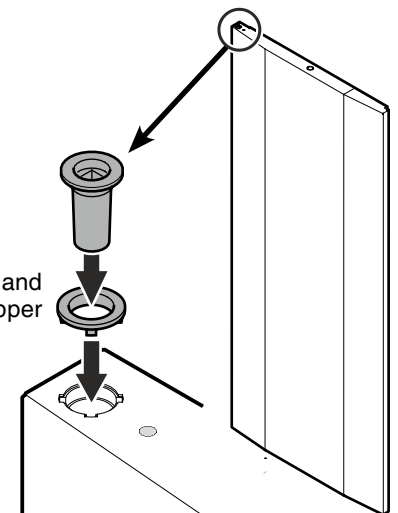


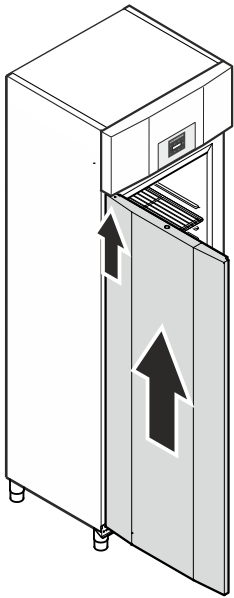
5. Transfer the upper hinge bracket and covers to the opposite side.



6. Turn the door by 180°.

7. Insert the bearing ring and hinge bushing in the upper door mounting.





8. Keeping door open at 90°, suspend in top square pin.

⚠ WARNING!

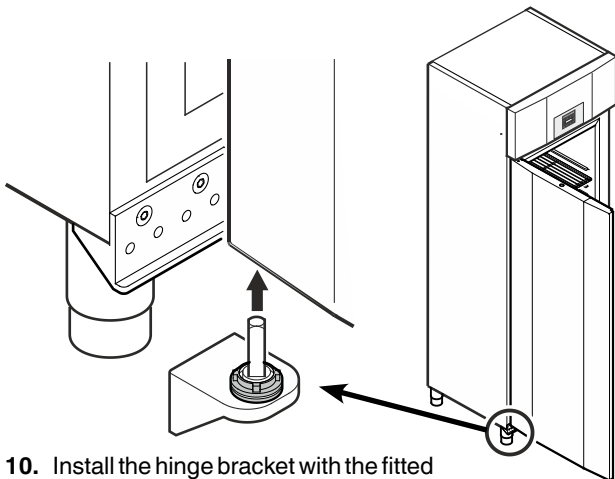
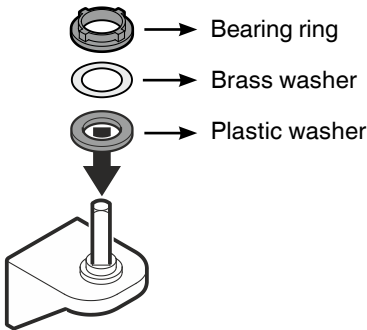
It is essential that the door is open at an angle of 90° during installation.

If the door is installed in the closed position, this will lead to destruction of the self-closing mechanism on the first opening and closing of the door.

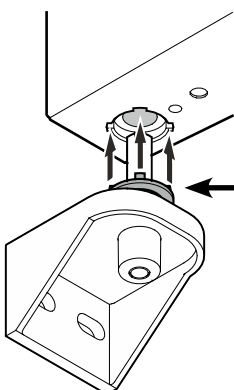
Important

As a result of its heavy weight, the door must be held secure by one person.

9. Fit the hinge components on the hinge bracket.



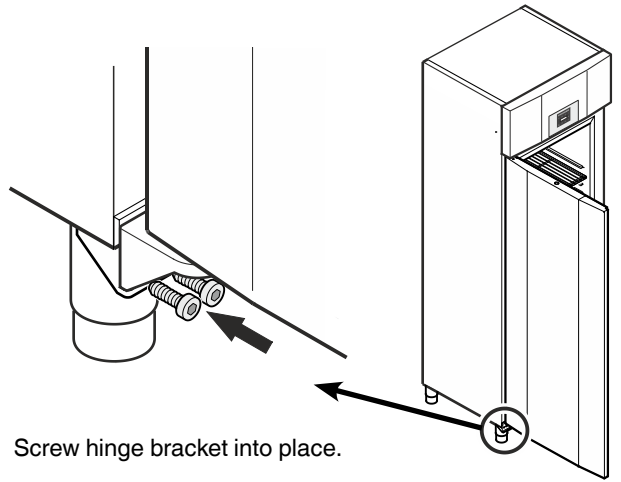
10. Install the hinge bracket with the fitted hinge components in the lower door mounting.



Note on point 10

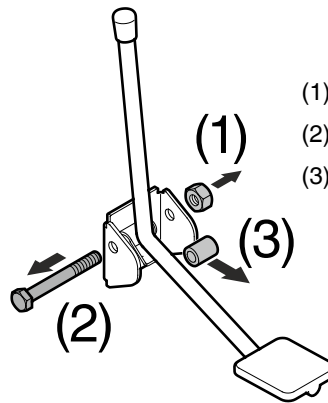
The tabs on the bearing ring must fit into the recesses of the door mounting during installation.

If necessary, gently rotate the upper ring.



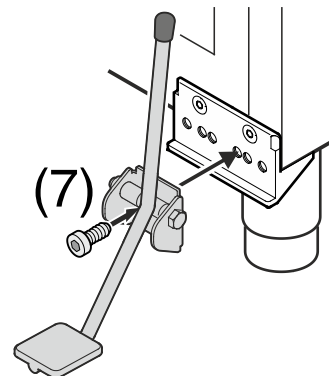
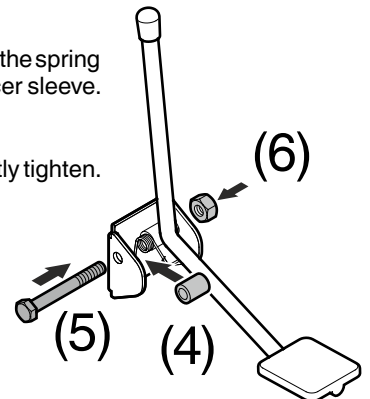
11. Screw hinge bracket into place.

Installation of the foot pedal opener for the left-hand hinged door



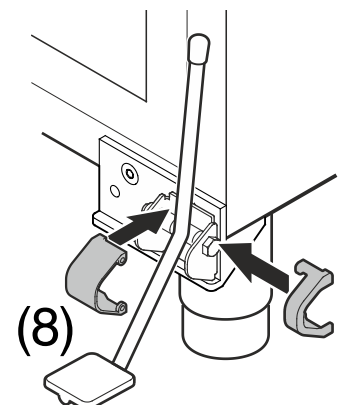
- (1) Unscrew the nut.
- (2) Remove the screw.
- (3) Remove the spacer sleeve.

- (4) Position the foot pedal with the spring to the right. Insert the spacer sleeve.
- (5) Insert the screw.
- (6) Screw on the nut and slightly tighten.



(7) Screw on the foot pedal (third hole from the right).

(8) Fit the covers.





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