

Refrigerators and freezers
Research and laboratory
2015/2016



LIEBHERR

Quality, Design and Innovation



Liebherr laboratory refrigerators and freezers

Refrigerators and freezers for use in the laboratory and in research have to meet very stringent requirements, especially with regard to safety and temperature consistency. Liebherr appliances are therefore equipped with many functions and features to ensure optimum storage of sensitive samples, critical chemicals and research materials. The precision electronic controller enables accurate temperature setting and creates optimum storage

conditions in conjunction with highly effective insulation and the dynamic cooling system. Integrated visual and audible alarm systems warn the user of undesired temperature deviations. Liebherr refrigerators and freezers provide the safety that is essential in the laboratory and research sector - 24 hours a day, 365 days a year.

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Good reasons to choose Liebherr



Highest performance

Liebherr research and laboratory freezers provide constant refrigeration performance even in extreme climate conditions. The use of ultra-modern components, efficient and environmentally-friendly refrigerants as well as precision controls ensures that samples, chemicals and research materials are stored optimally. Optional documentation software continuously logs the temperature profile – and if required, warning systems alert the user when defined temperature limits are exceeded.

Efficiency

Highly efficient with low energy consumption: the precision electronic controller, the dynamic refrigeration system and highly effective insulation guarantee low operating costs and are eco-friendly as well. The high quality of the appliances guarantees long life and reliable operation and provides for economic and ecological sustainability in laboratory and research applications.

Reliability

All laboratory appliances are designed according to the ISO 60068-3 standard with regard to maximum temperature stability. They are specially constructed for intensive professional use and feature a very sturdy design – with highest-quality materials and perfect workmanship right down to the smallest detail. The exemplary quality of the appliances is ensured by elaborate tests. All electronic and refrigeration components fulfill Liebherr's stringent specifications to form a well-balanced and therefore reliable system – ideal for research and laboratory.

Easy cleaning

Hygiene plays a special role in research and in the laboratory. That is why Liebherr appliances are equipped with moulded inner liners with large radii that are easy to clean. Flush seals prevent condensation and the accumulation of dirt and dust. Sturdy castors also allow easy cleaning of the floor space underneath the appliances.

Safety

To meet the most stringent requirements regarding reliability and accurate temperature consistency in laboratory applications, Liebherr appliances are equipped with many useful features: a visual and audible door alarm alerts the user to undesired temperature deviations. The appliances can be connected via the volt-free contact to an external remote warning system – and up to 20 appliances can be networked with a monitoring and alarm system via the serial interface RS 485. In case of a power failure, the Profi electronic controller (in LKPv and LGPv) is powered by a battery for 72 hours to prevent data loss. The calibration option allows precise temperature control adapted to specific applications.

Easy servicing

Durability and reliability are given top priority in the material selection and development of Liebherr laboratory appliances. The exemplary quality and easy usability of the appliances are ensured by elaborate tests. In appliances with a Profi electronic controller, the refrigeration components are integrated in the ceiling area, allowing easy access. The practical door remains open at 90° and is self-closing at less than 60° for convenient use. And the sturdy inner liners are easy to clean and allow variable adjustment of the grid shelves.

The advantages at a glance



The **refrigeration components** are securely integrated in the ceiling area, allowing ready access.



The **Profi electronic controller** has an integrated data memory for **temperature recording**.



Laboratory appliances with a **Profi electronic controller** are equipped with an access port (7.0 mm in diameter) in the ceiling area to enable connection of an **independent temperature sensor**.

In case of power failure, the electronic controller is immediately powered by an **integrated 12 V battery**. As a result, the **integrated memory continues to log** the internal temperatures without interruption for another 72 hours.



The **smooth interior** made of 304-grade stainless steel is easy to clean and enables **optimum hygiene**.

To increase the **net capacity** of the inner liner, functional parts like fans and evaporators are located **outside** the refrigerator compartment to save space.



The **practical door** remains open at 90° and is **self-closing** at less than 60° for convenient use.



The temperature can be set to **1/10 °C accuracy** via the menu-guided, multilingual **Profi electronic controller** with integrated real-time clock.



After a refrigerator or freezer door has been opened, a **vacuum** is built up by **air exchange** – with the effect that the door is hard to reopen immediately afterwards. The **integrated pressure relief valve** ensures that the vacuum is quickly equalised so that the door can easily be reopened.

The laboratory appliances with a **Profi electronic controller** are equipped with a volt-free contact for **alarm forwarding** to an external warning system.

Maximum temperature stability in the interior is ensured by the **dynamic cooling system** with double ventilation, in conjunction with optimal routing of the air flow.

Visual and audible door **alarms** alert the user if the **door is open** longer than 1 minute.



The **hot-gas defrost system with demand and time control** permits very short defrost cycles: 8 minutes for laboratory refrigerators, 12 minutes for laboratory freezers. To additionally improve temperature stability during defrost, the internal temperature is lowered by 1 °C (refrigerators) or 2 °C (freezers) shortly before.

In laboratory appliances with a **Profi electronic controller**, **3-point calibration** enables temperature control adapted to the user.

The LKPv and LGPv ranges **come with castors as standard** to allow versatile use depending on the available space and convenient cleaning also underneath the appliances.



LKPv 6520

Quality right down to the smallest detail

The Mediline range appliances with a Profi electronic controller are equipped with many features to guarantee the safety of stored products and temperature stability in the interior. High-quality materials and precise workmanship, extremely efficient

refrigeration components as well as documentation and alarm functions ensure optimum storage of sensitive samples, chemicals and research materials.



The Profi electronic controller.

The menu-guided, multilingual Profi electronic controller with integrated real-time clock allows the temperature to be set to 1/10 °C accuracy. The membrane keyboard is dirt resistant and easy to clean – to meet the most stringent hygiene requirements in the laboratory.

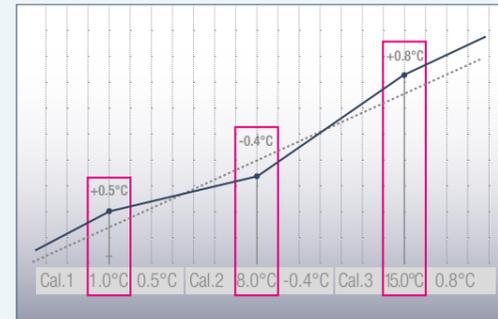


Integrated alarm systems.

A visual and audible door alarm alerts the user to temperature deviations. An alarm is also raised if the door is open for longer than one minute or in the event of power failure.

Integrated data memory.

The Profi electronic controller is equipped with data memory which records the last 30 alarm events together with the date, time and maximum temperature. In addition, the internal temperature is logged in 4-minute intervals. The last 2,800 temperature logs are respectively available, which corresponds approximately to a 1-week logging period.



Precision with 3-point calibration.

The laboratory appliances with a Profi electronic controller have a 3-point calibration function for extremely accurate temperature control. This permits compensation between the set temperature and the actual internal temperature at as many as three temperature points. Positive or negative changes to the correction value can be made in steps of 0.1 K.



Mains-independent power supply of the electronic controller.

In case of power failure, the electronic controller is powered by a battery. As a result, the memory continues to log the internal temperatures without interruption for another 72 hours. If external alarm and monitoring systems have been connected, then data transfer to these is also maintained.

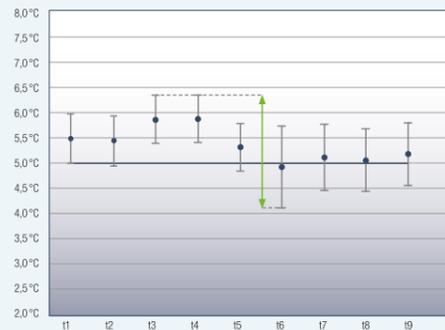
External temperature sensor.

The laboratory appliances have an access port (diameter 7.0 mm) in the appliance ceiling which allows a temperature sensor to be positioned in the interior.



External temperature and alarm documentation.

The laboratory appliances with a Profi electronic controller are equipped with a volt-free contact for alarm forwarding to an external remote warning system. The data can be read out of the internal memory and transferred to a PC via an infrared interface. In addition the appliances have an RS 485 interface which enables as many as 20 appliances to be networked with a central monitoring and alarm system.

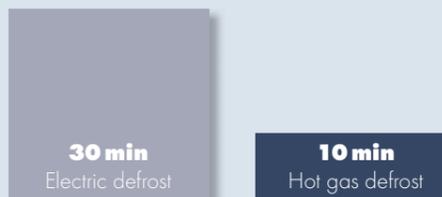


Maximum temperature consistency.

Maximum temperature stability in the interior is ensured by the dynamic cooling system with double ventilation. Very short defrost cycles allow the internal temperature to be kept almost constant during the defrost phases. All laboratory appliances are designed according to the ISO 60068-3 standard with regard to maximum temperature stability and consistency.

Advantage of hot gas defrost

It is quick, with minimal temperature rise.



Energy-efficient hot-gas defrost system.

Defrost less often and faster: the controller calculates the optimum defrost cycles based on the compressor run-time. Then the refrigerators defrost in just 8 minutes and the freezers in just 12 minutes. The internal temperature is slightly lowered shortly before so it remains almost constant during the defrost cycle.



Versatile interior.

Sturdy and versatile: the U-shaped trayslides are height-adjustable – so refrigerated or frozen products of any kind can be stored optimally on the plastic-coated grid shelves. Hygienic benefit: the interior made of high-quality 304-grade stainless steel is easy to clean thanks to the large corner radii.

Laboratory refrigerators with Profi electronic controller

Laboratory freezers with Profi electronic controller



Laboratory refrigerators and freezers with Profi electronic controller

	LKPv 1423 MediLine	 LKPv 8420 MediLine	LKPv 6523 MediLine	 LKPv 6520 MediLine	LGPv 1420 MediLine	LGPv 8420 MediLine	LGPv 6520 MediLine
Gross capacity	1427 litre	856 litre	601 litre	601 litre	1427 litre	856 litre	601 litre
Exterior dimensions in mm (w/d/h)	1430/830/2150	790/980/2150	700/830/2150	700/830/2150	1430/830/2150	790/980/2150	700/830/2150
Interior dimensions in mm (w/d/h)	1250/700/1550	620/850/1550	520/700/1550	520/700/1550	1250/700/1550	620/850/1550	520/700/1550
Energy consumption in 24 h *	3.923 kWh	2.400 kWh	2.731 kWh	1.775 kWh	8.887 kWh	5.500 kWh	4.715 kWh
General							
Cooling system	forced-air	forced-air	forced-air	forced-air	forced-air	forced-air	forced-air
Defrost	automatic	automatic	automatic	automatic	automatic	automatic	automatic
Temperature range	0°C to +16°C	-2°C to +16°C	0°C to +16°C	-2°C to +16°C	-10°C to -26°C	-10°C to -35°C ¹⁾	-10°C to -35°C ¹⁾
External cabinet finish	steel/white	steel/white	steel/white	steel/white	steel/white	steel/white	steel/white
Door/lid material	glass door	steel	glass door	steel	steel	steel	steel
Internal liner material	304-grade stainless steel	304-grade stainless steel	304-grade stainless steel	304-grade stainless steel	304-grade stainless steel	304-grade stainless steel	304-grade stainless steel
Type of control	electronic controller with text display	electronic controller with text display	electronic controller with text display	electronic controller with text display	electronic controller with text display	electronic controller with text display	electronic controller with text display
Temperature display	external digital	external digital	external digital	external digital	external digital	external digital	external digital
Power failure alarm	immediately upon power failure for 72hrs	immediately upon power failure for 72hrs	immediately upon power failure for 72hrs	immediately upon power failure for 72hrs	immediately upon power failure for 72hrs	immediately upon power failure for 72hrs	immediately upon power failure for 72hrs
Fault: warning signal	visual and audible	visual and audible	visual and audible	visual and audible	visual and audible	visual and audible	visual and audible
Interface/Volt-free alarm contact	RS 485/yes	RS 485/yes	RS 485/yes	RS 485/yes	RS 485/yes	RS 485/yes	RS 485/yes
Interior light	LED lighting, with separate switch		LED lighting, with separate switch				
Adjustable shelves	8	4	4	4	8	4	4
Usable shelf area in mm (w/d)	1250/650	620/800	520/650	520/650	1250/650	620/800	520/650
Shelf material	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated
Shelf loading	60 kg	60 kg	60 kg	60 kg	60 kg	60 kg	60 kg
Castors	castors with brake at the front, castors at the rear	castors with brake at the front, fixed castors at the rear	castors with brake at the front, fixed castors at the rear	castors with brake at the front, fixed castors at the rear	castors with brake at the front, castors at the rear	castors with brake at the front, fixed castors at the rear	castors with brake at the front, fixed castors at the rear
Handle	full-length integrated handle	full-length integrated handle	full-length integrated handle	full-length integrated handle	full-length integrated handle	full-length integrated handle	full-length integrated handle
Lock	fitted	fitted	fitted	fitted	fitted	fitted	fitted
Self-closing door	yes	yes	yes	yes	yes	yes	yes
Door hinges		right, reversible on site	right, reversible on site	right, reversible on site		right, reversible on site	right, reversible on site
Gross/net weight	284/229 kg	187/154 kg	167/141 kg	158/132 kg	262/219 kg	197/164 kg	171/143 kg
Climate rating	T (5)	T (5)	T (5)	T (5)	T (5)	T (5)	T (5)
Sound power level	58 dB(A)	58 dB(A)	58 dB(A)	58 dB(A)	60 dB(A)	60 dB(A)	60 dB(A)
Refrigerant	R 290	R 290	R 290	R 290	R 290	R 290	R 290
Voltage/Connection rating	220-240V~/3.0 A	220-240V~/2.0 A	220-240V~/2.0 A	220-240V~/2.0 A	220-240V~/4.5 A	220-240V~/4.0 A	220-240V~/4.0 A
Accessories							
Shelf, plastic-coated	7112393	7113643	7112393	7112393	7112393	7113643	7112393
U-shaped trayslide, right	9001761	9005067	9001761	9001761	9001761	9005067	9001761
U-shaped trayslide, left	9001757	9005069	9001757	9001757	9001757	9005069	9001757
Infrared key incl. software	9590389	9590389	9590389	9590389	9590389	9590389	9590389
RS 485/RS 232 adapter, data log software	9590387	9590387	9590387	9590387	9590387	9590387	9590387
NTC product temperature probe	9590407	9590407	9590407	9590407	9590407	9590407	9590407
Also available as	LKPv 1420 with solid doors						

* measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers

¹⁾ The temperature range is valid at a maximum ambient temperature of +30°C

The advantages at a glance



The laboratory appliances with a **Comfort electronic controller** are equipped with a volt-free contact for **alarm forwarding** to an external remote warning system.



Access port for integration of an **independent temperature sensor** (e.g. an optionally available NTC temperature sensor or similar measuring instruments) in laboratory appliances with a Comfort electronic controller.



The **commercial-grade moulded polystyrol inner liner** is exceptionally easy to clean and enables **optimum hygiene**.



The **glass shelves** of the laboratory refrigerators with spark-free interior are **height adjustable** and can easily be removed at a door opening angle of 90°.



The **drawers** in the LCexv laboratory fridge-freezer can easily be removed by the handles recessed in the sides. The drawers have a transparent front providing a **clear view of the products stored inside**.



The **precision Comfort electronic controller** with digital temperature display allows **accurate temperature setting to 1/10 °C**.



All laboratory refrigerators and freezers with **spark-free interior** are tested according to the 94/9 EC (ATEX 95) Directive.



The **precision Comfort electronic controller** has an **integrated data memory**. It logs e.g. the maximum and minimum internal temperatures.



Laboratory appliances with a **Comfort electronic controller** provide **1-point calibration** for accurate temperature control. This permits compensation between the set temperature and the actual internal temperature.

The **self-closing door** prevents unnecessary cold loss and contributes to the temperature stability of the appliances. The **integrated lock** is very sturdy and protects the samples and products against unauthorised access.



Door seals are replaceable.

LCexv 4010

Quality right down to the smallest detail

Liebherr offers refrigerators and freezers with a Comfort electronic controller and spark-free interior especially for storing explosive and highly flammable substances in the chemical industry. The inner liners meet the safety requirements of the EU Directive 94/9 EG

(ATEX 95) and have been tested according to the EN 1127-1, IEC 60079-0 and IEC 60079-15 standards by electrosuisse – SEV (Swiss Association for Electrical Engineering, Power and Information Technologies), an approved ATEX conformity evaluation organisation.



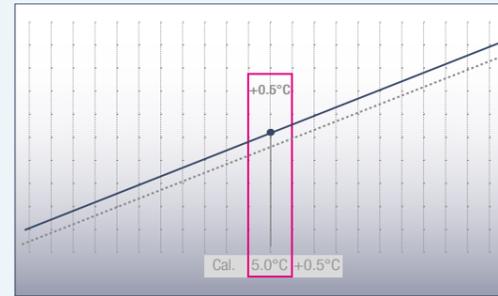
Certified according to ATEX 95.

All appliances with spark-free interior are tested according to the 94/9 EC (ATEX 95) Directive. Rated as II 3G Ex nA II T6, these appliances are suitable for storing explosive and highly flammable substances in sealed containers.



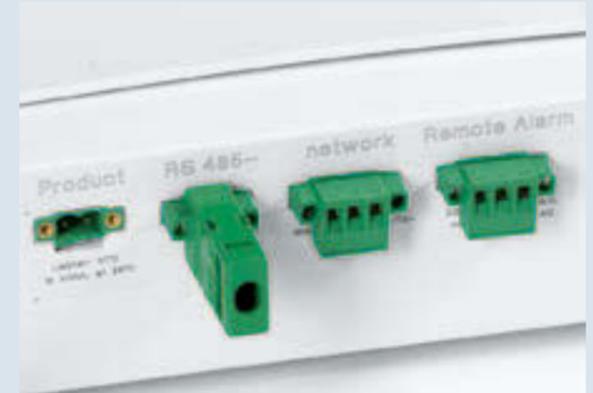
The Comfort electronic controller.

The precision Comfort electronic controller with digital temperature display enables temperatures to be set accurately to 1/10 °C. Symbols indicate the operating status of the appliance. The electronic controller is flush-mounted and equipped with a membrane keyboard for perfect hygiene.



Accurate 1-point calibration.

The laboratory appliances with a Comfort electronic controller have a 1-point calibration function for accurate temperature control. This permits compensation between the set temperature and the actual internal temperature. Positive or negative changes to the correction value can be made in steps of 0.1 K.



External temperature and alarm documentation.

The laboratory appliances are equipped with a volt-free contact for alarm forwarding to an external remote warning system, as well as with a serial interface RS 485 which enables central documentation of temperature profiles and alarm events. LTM monitoring software is optionally available.



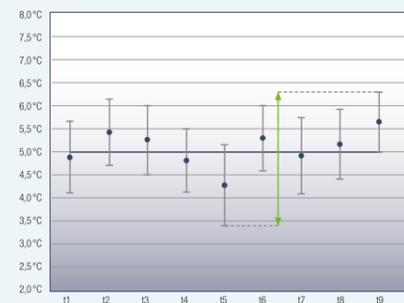
Integrated alarm systems.

Visual and audible alarm systems alert the user to undesired temperature deviations or when the door is open. All alarm parameters can be individually set. For example, the door-open alarm delay can be adjusted between 1 and 5 minutes. Furthermore, the laboratory appliances with a Comfort electronic controller have a visual power failure alarm and a sensor defect alarm.



Integrated data memory.

The Comfort electronic controller is equipped with an integrated data memory which logs the maximum and minimum internal temperatures as well as the last three temperature alarms and power failures, together with the time, date and duration. These data can be read out on the display.



Maximum temperature consistency.

Maximum temperature stability is ensured by the cooling systems of the laboratory refrigerators and freezers in conjunction with the precision Comfort electronic controller. The refrigerators are equipped with a safety thermostat to prevent temperatures below +2 °C in case of a fault. All laboratory appliances with a Comfort electronic controller are designed according to the ISO 60068-3 standard with regard to maximum temperature stability and consistency.



Sturdy glass shelves.

The sturdy glass shelves are easily adjustable in height and can conveniently be removed at a door opening angle of 90°. They ensure secure positioning of the refrigerated or frozen products and have a loading capacity of up to 40 kg in the refrigerator compartment and up to 24 kg in the freezer compartment.

External temperature sensor.

The laboratory appliances with a Comfort electronic controller have an access port (diameter 10 mm) on the rear which allows the temperature sensor to be positioned in the interior.

Laboratory fridge-freezer with Comfort electronic controller and spark-free interior



Laboratory refrigerators and freezers with Comfort electronic controller and spark-free interior



Laboratory fridge-freezer

with Comfort electronic controller and spark-free interior

Total gross / net capacity	fridge compartment
Total gross / net capacity	freezer compartment
Exterior dimensions in mm (w/d/h)	
Interior dimensions in mm (w/d/h)	fridge compartment
Interior dimensions in mm (w/d/h)	freezer compartment
Energy consumption in 24 h *	
General	
Cooling system	fridge / freezer comp.
Defrost	fridge / freezer comp.
Temperature range	fridge / freezer comp.
External cabinet finish	
Door / lid material	
Internal liner material	
Type of control	
Temperature display	
Power failure alarm	
Fault: warning signal	
Interface / Volt-free alarm contact	
Adjustable shelves	fridge compartment
Usable shelf area in mm (w/d)	fridge compartment
Shelf material	fridge / freezer comp.
Shelf loading	fridge / freezer comp.
Drawers	freezer compartment
Handle	
Lock	
Self-closing door	
Door hinges	
Gross / net weight	
Climate rating	
Sound power level	
Refrigerant	
Voltage / Connection rating	
Accessories	
Glass shelf	
NTC product temperature probe	
RS 485 / RS 232 adapter, data log software	
Additional lock barrels (up to 10)	

LCexv 4010 MediLine

Total gross / net capacity	254 / 240 litre
Total gross / net capacity	107 / 105 litre
Exterior dimensions in mm (w/d/h)	600 / 615 / 2000
Interior dimensions in mm (w/d/h) fridge compartment	440 / 435 / 1105
Interior dimensions in mm (w/d/h) freezer compartment	431 / 435 / 597
Energy consumption in 24 h *	1.800 kWh
General	
Cooling system	forced-air / static
Defrost	automatic / manual
Temperature range	+3°C to +16°C / -9°C to -30°C
External cabinet finish	steel / white
Door / lid material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	electronic controller
Temperature display	external digital
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Interface / Volt-free alarm contact	RS 485 / yes
Adjustable shelves	4
Usable shelf area in mm (w/d)	440 / 420
Shelf material	glass / glass
Shelf loading	40 kg / 24 kg
Drawers	3
Handle	ergonomic slimline handle
Lock	fitted
Self-closing door	yes
Door hinges	right, reversible on site
Gross / net weight	93 / 87 kg
Climate rating	SN-ST
Sound power level	52 dB(A)
Refrigerant	R 600a
Voltage / Connection rating	220 - 240V ~ / 1.5 A

Laboratory refrigerators and freezers with Comfort electronic controller and spark-free interior

Total gross / net capacity	
Exterior dimensions in mm (w/d/h)	
Interior dimensions in mm (w/d/h)	
Energy consumption in 24 h *	
General	
Cooling system / Defrost	
Temperature range	
External cabinet finish	
Door / lid material	
Internal liner material	
Type of control	
Temperature display	
Power failure alarm	
Fault: warning signal	
Interface / Volt-free alarm contact	
Adjustable shelves	
Usable shelf area in mm (w/d)	
Shelf material	
Shelf loading	
Drawers / Number of baskets	
Compartment height in mm	
Handle	
Lock	
Self-closing door	
Door hinges	
Gross / net weight	
Climate rating	
Sound power level	
Refrigerant	
Voltage / Connection rating	
Accessories	
Glass shelf	
Stacking kit, white	
Roller bars	
Evaporator cover, white	
Adjustable legs	
NTC product temperature probe	
RS 485 / RS 232 adapter, data log software	
Additional lock barrels (up to 10)	

LKexv 3910 MediLine

360 / 344 litre
600 / 615 / 1840
440 / 435 / 1635
0.865 kWh
forced-air / automatic
+3°C to +16°C
steel / white
steel
commercial grade moulded polystyrol
electronic controller
external digital
when mains power return
visual and audible
RS 485 / yes
5
440 / 420
glass
40 kg
ergonomic slimline handle
fitted
yes
right, reversible on site
74 / 68 kg
SN-ST
48 dB(A)
R 600a
220 - 240V ~ / 1.5 A

LKUexv 1610 MediLine

141 / 130 litre
600 / 615 / 820
440 / 435 / 670
0.863 kWh
forced-air / automatic
+3°C to +16°C
steel / white
steel
commercial grade moulded polystyrol
electronic controller
external digital
when mains power return
visual and audible
RS 485 / yes
3
440 / 420
glass
40 kg
ergonomic slimline handle
fitted
yes
right, reversible on site
41 / 39 kg
SN-ST
45 dB(A)
R 600a
220 - 240V ~ / 1.0 A

LGex 3410 MediLine

310 / 284 litre
600 / 615 / 1840
420 / 400 / 1587
1.309 kWh
static / manual
-9°C to -30°C
steel / white
steel
commercial grade moulded polystyrol
electronic controller
external digital
when mains power return
visual and audible
RS 485 / yes
evaporator plates
8 / -
185
ergonomic slimline handle
fitted
yes
right, reversible on site
92 / 87 kg
SN-ST
45 dB(A)
R 600a
220 - 240V ~ / 1.5 A

LGUex 1500 MediLine

139 / 129 litre
600 / 615 / 820
454 / 450 / 663
0.926 kWh
static / manual
-9°C to -26°C
steel / white
steel
commercial grade moulded polystyrol
electronic controller
external digital
when mains power return
visual and audible
RS 485 / yes
evaporator plates
24 kg
3 / 1
149
ergonomic slimline handle
fitted
yes
right, reversible on site
45 / 42 kg
SN-ST
45 dB(A)
R 600a
220 - 240V ~ / 1.0 A

9293629	9293629		
	9876687		
	9590521		
9590525	9590523		
9590233		9590233	
9590145	9590145	9590145	9590145
9590387	9590387	9590387	9590387
on request	on request	on request	on request

* measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers

The advantages at a glance



The **volt-free contact** for forwarding alarms to an **external remote warning system** in laboratory appliances with a Comfort electronic controller.



The **commercial-grade moulded polystyrol inner liner** is exceptionally easy to clean and enables **optimum hygiene**.



The sturdy, **plastic-coated grid shelves** have a **loading capacity of up to 45 kg**, are easily adjustable in height and can be removed at a door opening angle of 90°.

Access port for integration of the optionally available NTC temperature sensor or independent temperature sensor PT 100 or similar measuring instruments in laboratory appliances with a Comfort electronic controller.



The **drawers** in the LCv 4010 laboratory fridge-freezer can easily be removed by the **handles recessed** in the sides. The drawers have a transparent front providing a clear view of the products stored inside.



The **precision Comfort electronic controller** with digital temperature display allows accurate temperature setting to 1/10 °C. An **integrated data memory** logs the last three temperature alarms and power failures, together with the time, date and duration of the alarm. The respective data can be recalled using the AlarmLog function and read on the display panel.



Laboratory refrigerators LKv 3913 and LKUv 1613 with a **glass door** feature an **efficient LED interior light** with a separate switch.



Laboratory appliances with a **Comfort electronic controller** provide **1-point calibration** for accurate temperature control. This permits compensation between the set temperature and the actual internal temperature.

Self-closing doors prevent cold loss and contribute to the **temperature stability** of the appliances. The integrated lock is very sturdy and protects the samples and products against unauthorised access.



The **dynamic cooling system** in conjunction with the **precision Comfort electronic controller** ensures maximum temperature stability and high temperature consistency in the interior.

LKv 3913

Quality right down to the smallest detail

Liebherr Mediline laboratory refrigerators the ideal solution for a small footprint or for under-worktop integration. The range comprises two freestanding and under-worktop refrigerators with a glass door or a solid door. The precision Comfort electronic

controller enables temperatures to be set accurately. The dynamic cooling system ensures high temperature consistency. Integrated alarm systems guarantee safe storage.



The Comfort electronic controller.

The precision Comfort electronic controller with digital temperature display enables temperatures to be set accurately. Symbols indicate the operating status of the appliance. The electronic controller is flush-mounted and equipped with a membrane keyboard for perfect hygiene.



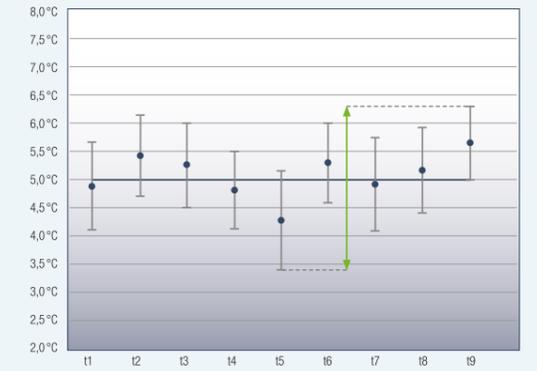
Integrated alarm systems.

Visual and audible alarm systems alert the user to undesired temperature deviations or when the door is open. All alarm parameters can be individually set. For example, the door-open alarm delay can be adjusted between 1 and 5 minutes. Additional safety is provided by a visual power failure alarm and sensor defect alarm.



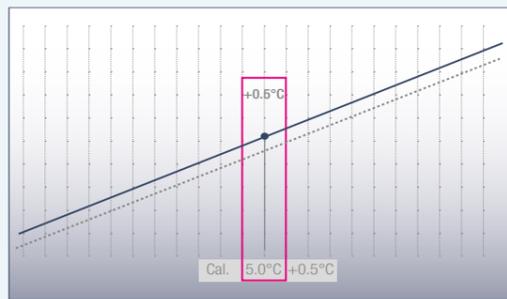
External temperature and alarm documentation.

The laboratory appliances are equipped with a volt-free contact for alarm forwarding to an external remote warning system, as well as with a serial interface RS 485 which enables central documentation of temperature profiles and alarm events. LTM documentation software is optionally available.



Maximum temperature consistency.

The dynamic cooling system in conjunction with the precision Comfort electronic controller ensures maximum temperature stability. All laboratory appliances with a Comfort electronic controller are designed according to the ISO 60068-3 standard with regard to optimum temperature consistency.



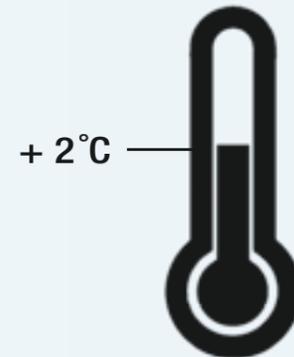
Accurate 1-point calibration.

The laboratory appliances with a Comfort electronic controller are equipped with 1-point calibration for accurate temperature control. This permits compensation between the set temperature and the actual internal temperature. Positive or negative changes to the correction value can be made in steps of 0.1 K.



Integrated data memory.

The Comfort electronic controller is equipped with an integrated data memory which logs the maximum and minimum internal temperatures as well as the last three temperature alarms and power failures, together with the time, date and duration. These data can be read out on the display.



Safety thermostat.

The laboratory appliances are equipped with an additional safety thermostat to prevent temperatures below +2°C and to protect sensitive products in the event of a fault.



External temperature sensor.

The laboratory appliances with a Comfort electronic controller have an access port (diameter 10 mm) on the rear which allows the temperature sensor to be positioned in the interior.



Laboratory refrigerators
with Comfort electronic controller

	LKv 3913 MediLine 	LKv 3910 MediLine	LKUv 1613 MediLine 	LKUv 1610 MediLine
Total gross / net capacity	360/344 litre	360/344 litre	141 / 130 litre	141 / 130 litre
Exterior dimensions in mm (w/d/h)	600/615/1840	600/615/1840	600/615/820	600/615/820
Interior dimensions in mm (w/d/h)	440/435/1635	440/435/1635	440/435/670	440/435/670
Energy consumption in 24 h *	1.315 kWh	0.846 kWh	1.010 kWh	0.747 kWh
General				
Cooling system	forced-air	forced-air	forced-air	forced-air
Defrost	automatic	automatic	automatic	automatic
Temperature range	+3°C to +16°C	+3°C to +16°C	+3°C to +16°C	+3°C to +16°C
External cabinet finish	steel / white	steel / white	steel / white	steel / white
Door / lid material	glass door	steel	glass door	steel
Internal liner material	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol	commercial grade moulded polystyrol
Type of control	electronic controller	electronic controller	electronic controller	electronic controller
Temperature display	external digital	external digital	external digital	external digital
Power failure alarm	when mains power return	when mains power return	when mains power return	when mains power return
Fault: warning signal	visual and audible	visual and audible	visual and audible	visual and audible
Interface / Volt-free alarm contact	RS 485 / yes	RS 485 / yes	RS 485 / yes	RS 485 / yes
Interior light	LED lighting, with separate switch		LED lighting, with separate switch	
Adjustable shelves	5	5	3	3
Usable shelf area in mm (w/d)	440 / 420	440 / 420	440 / 420	440 / 420
Shelf material	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated	wire shelves plastic-coated
Shelf loading	45 kg	60 kg	45 kg	60 kg
Handle	ergonomic slimline handle	ergonomic slimline handle	ergonomic slimline handle	ergonomic slimline handle
Lock	fitted	fitted	fitted	fitted
Self-closing door	yes	yes	yes	yes
Door hinges	right, reversible on site	right, reversible on site	right, reversible on site	right, reversible on site
Gross / net weight	90 / 84 kg	71 / 65 kg	46 / 43 kg	39 / 37 kg
Climate rating	SN-ST	SN-ST	SN-ST	SN-ST
Sound power level	48 dB(A)	48 dB(A)	45 dB(A)	45 dB(A)
Refrigerant	R 600a	R 600a	R 600a	R 600a
Voltage / Connection rating	220–240V~ / 1.5 A	220–240V~ / 1.5 A	220–240V~ / 1.0 A	220–240V~ / 1.0 A
Accessories				
Shelf, plastic-coated	7112313	7112313	7112313	7112313
Stacking kit, white			9876687	9876687
Roller bars			9590521	9590521
Evaporator cover, white	9590525	9590525	9590523	9590523
Adjustable legs	9590233	9590233		
NTC product temperature probe	9590407	9590407	9590407	9590407
RS 485 / RS 232 adapter, data log software	9590387	9590387	9590387	9590387
Additional lock barrels (up to 10)	on request	on request	on request	on request

* measured at +25 °C ambient temperature and +5 °C set temperature for fridges and -20 °C for freezers

Laboratory fridge-freezer
with Comfort electronic controller

	LCv 4010 MediLine
Total gross / net capacity	fridge compartment 254 / 240 litre
Total gross / net capacity	freezer compartment 107 / 105 litre
Exterior dimensions in mm (w/d/h)	600/615/2000
Interior dimensions in mm (w/d/h)	fridge compartment 440/435/1105
Interior dimensions in mm (w/d/h)	freezer compartment 431 / 435 / 597
Energy consumption in 24 h *	1.800 kWh
General	
Cooling system	fridge / freezer comp.
Defrost	fridge / freezer comp.
Temperature range	fridge / freezer comp. +3°C to +16°C / -9°C to -30°C
External cabinet finish	steel / white
Door / lid material	steel
Internal liner material	commercial grade moulded polystyrol
Type of control	electronic controller
Temperature display	external digital
Power failure alarm	when mains power return
Fault: warning signal	visual and audible
Interface / Volt-free alarm contact	RS 485 / yes
Adjustable shelves	fridge compartment 4
Usable shelf area in mm (w/d)	fridge compartment 440 / 420
Shelf material	fridge / freezer comp. wire shelves plastic-coated / glass
Shelf loading	fridge / freezer comp. 45 kg / 24 kg
Drawers	freezer compartment 3
Handle	ergonomic slimline handle
Lock	fitted
Self-closing door	yes
Door hinges	right, reversible on site
Gross / net weight	91 / 85 kg
Climate rating	SN-ST
Sound power level	52 dB(A)
Refrigerant	R 600a
Voltage / Connection rating	220–240V~ / 1.5 A
Accessories	
Grid shelf, plastic-coated, for	fridge compartment 7112313
Evaporator cover, white, for	fridge compartment 9590391
NTC product temperature probe	9590407
RS 485 / RS 232 adapter, data log software	9590387
Additional lock barrels (up to 10)	on request

* measured at +25 °C ambient temperature and +5 °C set temperature for fridges and -20 °C for freezers

The advantages at a glance

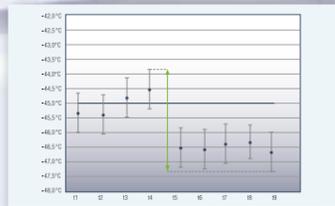


Visual and audible temperature alarms alert the user if **temperature deviation limits** are exceeded. The parameters for the temperature alarm can be individually set. The integrated data memory with min/max temperatures in the **Comfort electronic controller**

logs possible temperature fluctuations with date, time and duration of the alarm. In addition the electronic controller ensures high temperature consistency in the interior. All laboratory chest freezers are designed in accordance with ISO 60068-3.

Volt-free contact in chest freezers with Comfort electronic controller for forwarding alarms to an **external remote warning system**.

Precision Comfort electronic controller with digital temperature display for accurate temperature setting. Thanks to its position on the **chest rear**, the electronic controller can be connected to external systems.



The precision Comfort electronic controller ensures **maximum temperature stability** and **high temperature consistency** in the interior.

Stop Frost

The **StopFrost system** fitted to the LGT models reduces frosting of the interior and the freezer contents – so the time-consuming process of defrosting is necessary far less often. The **vacuum** is also equalised quickly after the lid is opened and closed so that the chest can be re-opened effortlessly.



Sturdy, one-piece and easy-to-clean **lid**. The **strong lid hinges** are designed for at least 300,000 openings.

The **aluminium handle** on the LGT models is simple and tough for intensive commercial use. All appliances have **locks** as standard.



The lid has an integrated, **energy-efficient LED interior light** to **improve visibility** in the interior.



Access port (diameter 10 mm) for integration of the optionally available **NTC temperature sensor** or independent temperature sensor PT 100 or similar measuring instruments.



Laboratory chest freezers with a **Comfort electronic controller** are equipped with **1-point calibration** for accurate temperature control.

Quality right down to the smallest detail

The Liebherr laboratory chest freezers up to -45°C are available in three different sizes and are specially designed for the requirements in the research, laboratory, healthcare and industrial sector. The 1-point calibration ensures high temperature

consistency. Integrated alarm systems and external temperature and alarm monitoring contribute to the safe storage of samples, chemicals and research materials.



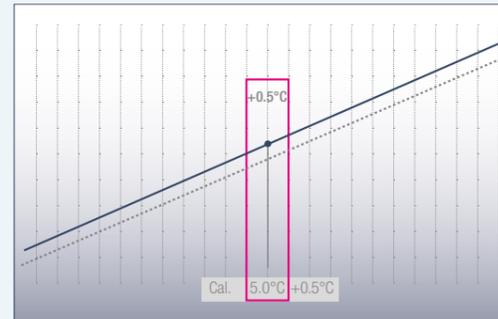
External temperature and alarm documentation.

The laboratory chest freezers are equipped with a volt-free contact for alarm forwarding to an external remote warning system. In addition, they have an RS 485 serial interface for central documentation of the temperature profiles and alarm events.



The Comfort electronic controller.

The precision Comfort electronic controller with digital temperature display enables temperatures to be set accurately. Symbols indicate the operating status of the appliance. To ensure the level of hygiene required in the laboratory, the electronic controller is flush-mounted and equipped with a membrane keyboard.



Accurate 1-point calibration.

The laboratory chest freezers are equipped with 1-point calibration for accurate temperature control. This permits compensation between the set temperature and the actual internal temperature. Positive or negative changes to the correction value can be made in steps of 0.1 K.



StopFrost System.

The StopFrost system fitted to the LGT models offers several key advantages: frosting of the freezer compartment and its contents is reduced and the time-consuming process of defrosting is necessary far less often. The vacuum is also equalised after the chest lid is opened and closed so that the laboratory chest can be re-opened effortlessly.



Integrated alarm systems.

Visual and audible alarm systems alert the user to undesired temperature deviations or when the door is open. All alarm parameters can be individually set. For example, the lid-open alarm delay can be adjusted between 1 and 5 minutes. Additional safety is provided by a visual power failure alarm and sensor defect alarm.



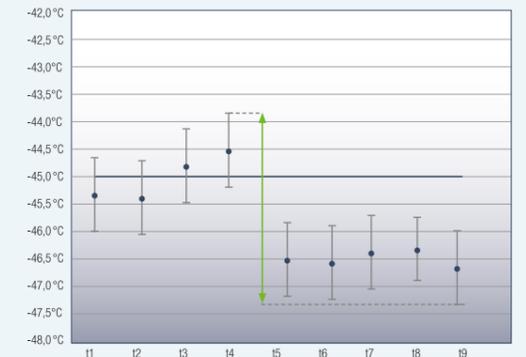
Integrated data memory.

The Comfort electronic controller is equipped with an integrated data memory which logs the maximum and minimum internal temperatures as well as the last three temperature alarms and power failures, together with the time, date and duration. These data can be read out on the display.



External temperature sensor.

The laboratory chest freezers have an access port (diameter 10 mm) on the rear which allows temperature sensor to be positioned in the interior.



Maximum temperature consistency.

The dynamic cooling system in conjunction with the precision Comfort electronic controller ensures maximum temperature stability. All laboratory chest freezers with a Comfort electronic controller are designed according to the ISO 60068-3 standard with regard to optimum temperature consistency.



Laboratory chest freezers
up to -45°C

LGT 4725 MediLine



LGT 3725 MediLine



LGT 2325 MediLine



Total gross / net capacity	459/431 litre	365/342 litre	215/200 litre
Exterior dimensions in mm (w/d/h)	1648/808/919	1373/808/919	1132/760/919
Interior dimensions in mm (w/d/h)	1445/500/650	1170/500/650	889/410/630
Energy consumption in 24 h *	4.352 kWh	2.928 kWh	2.256 kWh
General			
Cooling system	static	static	static
Defrost	manual	manual	manual
Temperature range	-10°C to -45°C	-10°C to -45°C	-10°C to -45°C
External cabinet finish	steel / white	steel / white	steel / white
Door / lid material	steel	steel	steel
Internal liner material	white coated aluminium	white coated aluminium	white coated aluminium
Type of control	electronic controller	electronic controller	electronic controller
Temperature display	external digital	external digital	external digital
Power failure alarm	when mains power return	when mains power return	when mains power return
Interface / Volt-free alarm contact	RS 485 / yes	RS 485 / yes	RS 485 / yes
Insulation	100 – 100 mm	100 – 100 mm	120 – 120 mm
Number of baskets	0	0	0
Number of baskets, max	16	13	10
Interior light	LED	LED	LED
Handle	profiled aluminium	profiled aluminium	profiled aluminium
Lock	fitted	fitted	fitted
Gross / net weight	94/81 kg	82/71 kg	68/58 kg
Climate rating	SN	SN	SN
Sound power level	55 dB(A)	55 dB(A)	55 dB(A)
Refrigerant	R 290	R 290	R 290
Voltage / Connection rating	220 – 240V~ / 3.5 A	220 – 240V~ / 3.0 A	220 – 240V~ / 2.0 A
Accessories			
NTC product temperature probe	9590407	9590407	9590407
RS 485 / RS 232 adapter, data log software	9590387	9590387	9590387
Baskets	7112947	7112947	7112317
Roller bars	9901627	9901627	9901629

* measured at +25°C ambient temperature and -45°C set temperature

The advantages at a glance



The LKexv models are **labelled** clearly and permanently on the **outer housing** in accordance with the ATEX Directive 94/9 EC, including **information for cleaning**.



The **moulded polystyrol inner liner** with large corner radii is exceptionally easy to clean and enables **optimum hygiene**.



The **sturdy glass shelves** are easily adjustable in height and can conveniently be removed at a door opening angle of 90°. They ensure secure storage and have a **loading capacity of up to 40 kg**.



The **integrated lock** is exceedingly sturdy and protects the stored products against unauthorised access.



Sealed defrost water drain in the laboratory appliances with spark-free interior for compliance with the ATEX Directive 94/9 EC.



Reversible door hinges in the LKexv models enable individual adaption to space conditions. The door seals can also be easily replaced as required.



Quality right down to the smallest detail



Certified according to ATEX 95.

The LKexv models are labelled clearly and permanently on the outer housing in accordance with the ATEX Directive 94/9 EC, including information for cleaning. Rated as II 3G Ex nA II T6, these appliances are suitable for storing explosive and highly flammable substances in sealed containers.



Hygienic interior for versatile use.

The commercial-grade moulded polystyrol inner liner is exceptionally easy to clean and enables optimum hygiene. The moulded trayslides prevent the glass shelves from tipping and allow them to be varied in height.



Glass shelves.

The glass shelves ensure secure storage even for small items and have a loading capacity of up to 40 kg.



Water tray.

The defrost water drain in the laboratory appliances with spark-free interior is sealed for compliance with the ATEX Directive 94/9 EC. The defrost water obtained during the automatic defrost cycle is collected in a tray which has to be emptied manually at regular intervals.

Laboratory refrigerators with mechanical control and spark-free interior



Laboratory refrigerators with mechanical control and spark-free interior	LKexv 5400 MediLine	LKexv 3600 MediLine	LKexv 2600 MediLine	LKexv 1800 MediLine
Total gross/net capacity	554/520 litre	333/307 litre	240/221 litre	180/160 litre
Exterior dimensions in mm (w/d/h)	750/730/1640	600/610/1640	600/610/1250	600/600/860
Interior dimensions in mm (w/d/h)	600/560/1452	470/440/1452	470/440/1062	513/441/702
Energy consumption in 24 h *	0.983 kWh	0.947 kWh	0.786 kWh	0.898 kWh
General				
Cooling system	forced-air	forced-air	forced-air	forced-air
Defrost	automatic	automatic	automatic	automatic
Temperature range	+1°C to +15°C	+1°C to +15°C	+1°C to +15°C	+1°C to +15°C
External cabinet finish	steel/white	steel/white	steel/white	steel/white
Door/lid material	steel	steel	steel	steel
Internal liner material	commercial grade moulded polystyrol			
Type of control	analogue controls	analogue controls	analogue controls	analogue controls
Temperature display	external digital	external digital	external digital	external digital
Adjustable shelves	5	5	4	3
Usable shelf area in mm (w/d)	600/550	470/425	470/425	513/412
Shelf material	glass	glass	glass	glass
Shelf loading	40 kg	40 kg	40 kg	40 kg
Handle	ergonomic slimline handle	ergonomic slimline handle	ergonomic slimline handle	ergonomic slimline handle
Lock	fitted	fitted	fitted	fitted
Door hinges	right, reversible on site			
Gross/net weight	84/77 kg	64/59 kg	53/49 kg	40/38 kg
Climate rating	SN-T	SN-T	SN-T	SN
Sound power level	48 dB(A)	48 dB(A)	48 dB(A)	44 dB(A)
Refrigerant	R 600a	R 600a	R 600a	R 600a
Voltage/Connection rating	220–240V~/1.5 A	220–240V~/1.5 A	220–240V~/1.0 A	220–240V~/1.0 A
Accessories				
Glass shelf	9293613	9293615	9293615	9293631
Castor base	9086365	9086323	9086323	
Adjustable legs	9590233	9590233	9590233	
Additional lock barrels (up to 10)	on request	on request	on request	

* measured at +25°C ambient temperature and +5°C set temperature

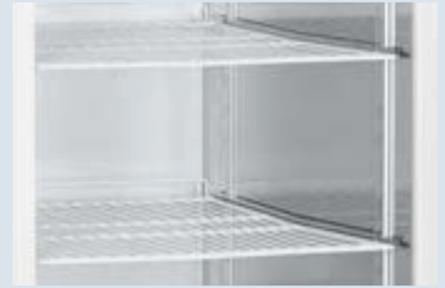


Accessories

Section: Laboratory refrigerators and freezers with Profi electronic controller

U-shaped trayslides and plastic-coated shelves

Additional U-shaped trayslides and plastic-coated grid shelves can be retrofitted as required to provide extra storage options. The sturdy grid shelves have an extremely high loading capacity of up to 60 kg.



Infrared key with documentation software

The alarm events and temperature profile data can be read out using the infrared key available as an accessory. Corresponding documentation software is included allowing visualisation of the read-out data on a PC.



Interface converter with monitoring software

A special interface converter including the Liebherr LTM monitoring software is available for central documentation of the temperature profile data and alarm events of multiple appliances via the RS 485 serial interface. It is possible to network as many as 20 laboratory appliances and centrally document their parameters. Alarm forwarding or regular status reports to up to three email addresses can be configured as an additional feature. Alternatively, commercially available converters can be used to connect the appliances to a PC via WLAN or LAN. Software requirements: PC with Windows® operating system.



NTC product temperature sensor

An NTC product temperature sensor for logging product temperatures is available as a retrofit kit for the laboratory appliances with a Profi electronic controller. The logged product temperatures can either be read by the electronic controller or transferred to an external documentation system via the existing RS 485 interface.



Section: Laboratory refrigerators and freezers with Comfort electronic controller and spark-free interior

NTC spark-free product temperature sensor

An NTC product temperature sensor for logging product temperatures is available as a retrofit kit for the spark-free laboratory appliances with a Comfort electronic controller. The logged product temperatures can either be read by the electronic controller or transferred to an external documentation system via the existing RS 485 interface.



Section: Laboratory refrigerators and freezers with Comfort electronic controller and spark-free interior

Interface converter with monitoring software

A special interface converter including LTM monitoring software is available for central documentation of the temperature profile data and alarm events of multiple appliances via the RS 485 serial interface. Capability is provided for interconnecting as many as 20 laboratory appliances and centrally documenting their parameters. Alarm forwarding or regular status reports to up to three email addresses can be configured as an additional feature. Commercially available converters can be used to connect the connected appliances to a PC via WLAN or LAN. Software requirements: PC with Windows® operating system.



Additional lock barrels

Up to 10 additional lock barrels to protect the stored products against unauthorised access are available as accessories for the laboratory appliances with a Comfort electronic controller. In case of multiple appliances, different locks can be installed to ensure that the respective appliance can only be accessed by the staff members responsible for it.



Glass shelves

Additional glass shelves can be retrofitted to the LCexv, LKexv and LKUexv models as required to provide extra storage options. The glass shelves made of toughened safety glass meet the standards for spark-free refrigerators in accordance with ATEX 95 and have a loading capacity of up to 40 kg.



Stacking kit

A stacking kit is available as an accessory for combining the LKUexv and LGUex models as well as other under-worktop models in the LKUv range. This allows stacking laboratory fridge-freezers on a small footprint.



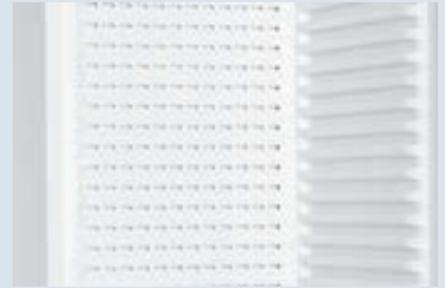
Roller sets and adjustable-height feet

30 mm high roller sets can be retrofitted to the under-worktop LKUexv 1610 and LGUex 1500 models and adjustable-height feet can be retrofitted to the LKexv 3910 and LGex 3410 models to allow easy cleaning underneath. The feet are adjustable between 115 mm and 170 mm in height.



Evaporator cover

An evaporator cover can be installed for added safety, to ensure that cold-sensitive products cannot touch the evaporator.



Section: Laboratory refrigerators and laboratory fridge-freezer with Comfort electronic controller

NTC product temperature sensor

An NTC product temperature sensor for logging product temperatures is available as a retrofit kit for the laboratory appliances with a Comfort electronic controller. The logged product temperatures can either be read by the electronic controller or transferred to an external documentation system via the existing RS 485 interface.



Interface converter with monitoring software

A special interface converter including LTM monitoring software is available for central documentation of the temperature profile data and alarm events of multiple appliances via the RS 485 serial interface. Capability is provided for interconnecting as many as 20 laboratory appliances and centrally documenting their parameters. Alarm forwarding or regular status reports to up to three email addresses can be configured as an additional feature. Alternatively commercially available converters can be used to connect the appliances to a PC via WLAN or LAN. Software requirements: PC with Windows® operating system.



Additional lock barrels

Up to 10 additional lock barrels to protect the stored products against unauthorised access are available as accessories for the laboratory appliances with a Comfort electronic controller. In case of multiple appliances, different locks can be installed to ensure that the respective appliance can only be accessed by the staff members responsible for it.



Stacking kit

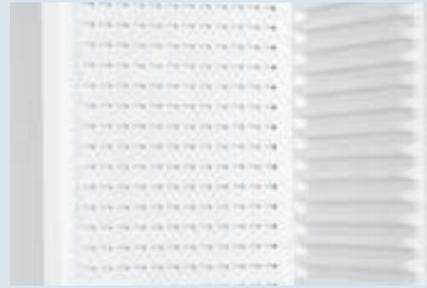
A stacking kit is available for combining the LKUv 1613, LKUv 1610, LKUexv 1610 and LGUex 1500 models as desired. This allows stacking a glass door appliance and solid door appliance or a refrigerator and freezer on a small footprint.



Section: Laboratory refrigerators and laboratory fridge-freezer with Comfort electronic controller

Evaporator cover

An evaporator cover can be installed for added safety, to ensure that cold-sensitive products cannot touch the evaporator.



Roller sets and adjustable-height feet

30 mm high roller sets can be retrofitted to the under-worktop LKuv models and adjustable-height feet can be retrofitted to the LKv models to allow easy cleaning underneath. The feet are adjustable between 115 mm and 170 mm in height.



Plastic-coated grid shelves

Additional plastic-coated grid shelves can be retrofitted as required to provide extra storage options. The sturdy grid shelves have an extremely high loading capacity of up to 45 kg.



Section: Laboratory chest freezers up to -45 °C

NTC product temperature sensor

An NTC product temperature sensor for logging product temperatures is available as a retrofit kit for the laboratory chest freezers with a Comfort electronic controller. The logged product temperatures can either be read by the electronic controller or transferred to an external documentation system via the existing RS 485 interface.



Interface converter with documentation software

A special interface converter including LTM documentation software is available for central documentation of the temperature profile data and alarm events of multiple appliances via the RS 485 serial interface. It is possible to network as many as 20 laboratory appliances and centrally monitor their parameters. Alarm forwarding or regular status reports to up to three email addresses can be configured as an additional feature. Commercially available converters can be used to connect the connected appliances to a PC via WLAN or LAN. Software requirements: PC with Windows® operating system.



Optional high-quality baskets

The optional baskets provide an optimum overview of the stored preparations and can help to improve the handling and organising of the freezer contents.



Section: Laboratory refrigerators with analogue controls and spark-free interior

Glass shelves

Additional glass shelves can be retrofitted to the LCexv, LKexv and LKUexv models as required to provide extra storage options. The glass shelves made of toughened safety glass meet the standards for spark-free refrigerators in accordance with ATEX 95 and have a loading capacity of up to 40 kg.



Castor base

A castor base is available as an accessory for the LKexv models to allow flexible use of the appliances in different rooms.



Adjustable-height feet

Adjustable-height feet can be retrofitted to the LKexv models for easy cleaning underneath. They are adjustable between 115 mm and 170 mm in height.



Additional lock barrels

Up to 10 additional lock barrels to protect the stored products against unauthorised access are available as accessories for the laboratory appliances with a Comfort electronic controller. In case of multiple appliances, different locks can be installed to ensure that the respective appliance can only be accessed by the staff members responsible for it.



Liebherr commercial appliances can be found at specialist retailers where providing first-class service and expert advice is their top priority.

You can find an overview of all Liebherr appliances in our main catalogues. Available in stores or on www.liebherr.com.



Smart communication on all fronts



Media App

Download all catalogues and videos to your tablet quickly and easily for instant offline access.



WineGuide App

A brief overview of Bordeaux wines and their producers, plus storage information.



apps.home.liebherr.com

Find out which app is available for which operating system (Apple, Android etc.), and which device type.



The Liebherr-Hausgeräte YouTube channel provides interesting and helpful films showing you the functions of Liebherr refrigerators and freezers.



News, product launches and special promotions can be found on our Facebook page, the Liebherr blog and Twitter.



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