Scientific and Healthcare 2025

Next-level cooling solutions

LIEBHERR

Refrigeration and freezing

For more information about our technical specifications,
go to: **home.liebherr.com/scientifichealthcare**

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Scientific and Healthcare 2025
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Best results without fail

Reliable refrigeration of temperature-sensitive substances poses enormous challenges for the research and healthcare sectors. To help you overcome every one of them, Liebherr offers high-quality refrigerators and freezers.

For example, the network connection of refrigerators and freezers guarantees maximum reassurance and a significant reduction in workload.

This support is further enhanced by our high-quality service – from planning and installation to ongoing support.

And, in terms of sustainability, we can boast more than 70 years of expertise and a passion for professional refrigeration and freezing – with unsurpassed energy efficiency, natural refrigerant and extremely long-lasting appliances.

The quality that characterizes Liebherr pays off in many ways. On the following pages, you can find out how research and healthcare can benefit from our complete solutions.

REFRIGERATORS

HIGH PERFORMANCE

| SRPvh 1402 | SRPvh 1412 | SRPvh 8401 | SRPvh 8411 | SRPvh 6501 | SRPvh 6511 |

GENERAL PURPOSE

| SRFvh 5501 | SRFvh 5511 | SCFvh 4032 |

UNDERCOUNTER

| SRTvh 1501 | SRTvg 1501 | SRTvg 1511 |

FLAMMABLE MATERIAL STORAGE

| SRFfg 5501 | SRFfg 3501 | SRTfg 1501 |

FREEZERS

HIGH PERFORMANCE

| SFPvh 1402 | SFPvh 8401 | SFPvh 6501 |

GENERAL PURPOSE

| SFFvh 5501 |

ULTRA LOW -86°C

| SUFsg 7001 | SUFsg 5001 |

UNDERCOUNTER

| SFTsg 1501 |

FLAMMABLE MATERIAL STORAGE

| SFFfg 5501 | SFTfg 1501 |

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Hotels

Refrigerators and freezers

The Liebherr Group

Liebherr-Hausgeraete GmbH

For seven decade, Liebherr-Hausgeraete GmbH has been specializing in the manufacture of innovative refrigerators and freezers. The company employs more than 6,800 staff worldwide and develops and produces a wide range of refrigerators and freezers for residential and professional use. Thanks to their freshness technologies and high-quality materials, the residential appliances from the premium manufacturer impress with their energy efficiency, elegant design and long service life. In professional use, refrigerators and freezers from Liebherr stand for maximum safety with intelligent features and exceptional quality. With an annual production of around 2 million appliances, Liebherr-Hausgeraete is one of the leading European manufacturers in the premium class, combining quality, design, and innovation.

Global and independent: The Liebherr Group, more than 75 years of success

Liebherr was founded in 1949 when, with the development of the world's first mobile tower crane, Hans Liebherr laid the foundations for a family-run company which now has more than 50,000 employees and comprises over 150 companies across every continent. The holding company of the Group is Liebherr-International AG in Bulle, Switzerland, whose shareholders are exclusively members of the Liebherr family.

Technology leadership and pioneering spirit

Liebherr is a pioneer and its forward-looking approach has seen it make important contributions to technology history over a wide variety of industries. Employees throughout the world continue to share the courage of the company founder, sharing a passion to produce innovative products and a determination to provide world-leading equipment and machinery

Diversified product portfolio

Liebherr is one of the world's biggest construction machine manufacturers and provides high-quality, user-oriented products and services. Its product portfolio includes earthmoving machinery, material handling technology, deep foundation machines, mining, mobile and crawler cranes, tower cranes, concrete technology, maritime cranes, aerospace and transportation systems, gear technology and automation systems, refrigerators and freezers, components and hotels.

Customized solutions and maximum customer value

Liebherr solutions are characterized by precision, implementation and longevity. The company is committed to technological excellence and to providing customers with solutions that match their needs exactly. For Liebherr, customer focus does not end with delivery of a product but continues through a comprehensive range of back-up and support services.

Quality is in our DNA.

Our work is driven by the high demands of our customers worldwide. For more than 70 years, we have been offering high-quality appliances for private and commercial use that meet these high demands, proving their durability and delivering value for the investment.

Specialists in refrigeration and freezing

With outstanding quality, pioneering technologies as well as aesthetic yet user-friendly design, Liebherr sets new standards again and again. How do we do it? By specializing in what we do: developing and manufacturing outstanding refrigerators and freezers, especially for professional use. Research, laboratories and medicine are just some of the areas for whose special requirements our appliances are explicitly designed – with a clear mission: to make your demanding day-to-day work easier with maximum precision and safety.

G German Engineering

**Cleverly built
for maximum safety**

Sensitive samples, research materials and preparations allow no room for error with refrigeration. Reliability is crucial. And that's exactly what Liebherr stands for. Liebherr professional appliances have been specifically developed for the challenging requirements of the research, laboratory and medical sectors. With clever design details, high-quality materials and innovative technologies, they provide maximum safety and ease of use.

The Liebherr factor:

Professional refrigerators and freezers

- Specially developed for research, laboratories and medicine
- Safe storage of sensitive substances
- Top quality thanks to elaborate testing procedures

Tested down to the finest detail – and beyond.

From conception through to development and production to marketing, at Liebherr we do everything we can to offer top-quality, innovative products. We test all the mechanical, electronic and refrigeration components for reliable operation, from the development stage onwards. Before we approve a door hinge, for example, it must undergo at least 100,000 opening cycles. You can count on this: your Liebherr appliance will be the professional partner at your side – 24 hours a day, 365 days a year.

Complete responsibility

Responsible use of our resources is our objective and continuous improvement throughout the product lifecycle is our long-term aim.

This is why we continually develop more environmentally friendly methods for manufacturing more sustainable products – all with the familiar Liebherr quality. As well as high energy efficiency, we put a special focus on durability and ensuring that spare parts are available for at least ten years.

Conscientiously developed

We take every aspect of sustainability into account when designing our products. Our product responsibility begins during the development of the appliances and continues with the careful organization of our production and supply chains. This means the correct choice of materials with regard to recycling as well as minimizing the use of energy during production are important factors. During the use phase our almost maintenance-free appliances are characterized by very low energy consumption and low operating costs.

Naturally refrigerated

We were the first to convert our complete range of refrigerators to CFC-free refrigerants and blowing agents. We now only use the natural refrigerants R600, R290 and R170. These are specially designed for highly efficient compressors and also result in lower energy consumption and electricity costs.

Responsibly manufactured

We also make sure we use resources responsibly when manufacturing our appliances. Advanced processes are used to recycle the energy released during production for heating buildings. We also purify the water after the manufacturing process to make sure that it is free of pollutants.

Europe-wide certification

All our European production sites are certified according to the international standards for quality management (ISO 9001), environmental management (ISO 14001) and energy management (ISO 50001).

Our path to the future

- recyclable product design
- materials able to be separated
- reuse of materials

- maximum energy efficiency
- maximum durability
- simple repair
- optimal storage conditions

People & sustainable business
Recycling
Materials
Product responsibility
Use
Production

- more renewable materials
- more recycled materials
- fewer environmentally harmful raw materials

- lower energy consumption
- more renewable energies
- less waste

The Liebherr factor:

Environmentally conscious development and production:

· Appliances with very low energy consumption
· Natural refrigerant
· Resource-saving manufacturing processes
· European sites are fully certified
· Silver medal from EcoVadis

Choose refrigeration and freezing from the professionals

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Whether in the biotechnology, pharmaceutical research, or in healthcare, the highly demanding work relies on refrigeration that meets the highest standards. With specially developed professional appliances, Liebherr offers solutions for the stringent requirements of the medical and scientific sectors – and good arguments for choosing our systems expertise.

Five good reasons for our outstanding performance.

Reliable temperature stability

Liebherr professional appliances are characterized by outstanding temperature stability. Sensitive vaccines, preparations, samples and medicines are cooled to precise, constant temperatures – even when there are extreme climatic conditions.

Standard safety functions

Liebherr stands for maximum protection of valuable products. Numerous safety functions ensure that the quality of temperature-sensitive substances is constantly assured – as is the quality of your work.

Innovative alarm systems

Research and medicine allow no room for inaccuracy – and that includes storage temperatures. Liebherr professional appliances are equipped with various alarm systems that immediately warn of any deviations and help you to realistically assess critical situations.

Sustainability and economy

Our refrigerators and freezers only use natural refrigerants and are characterized by high efficiency as well as very low energy and operating costs. The outstanding TCO (total cost of ownership) is also down to the long service life, easy care and, not least, the fact that the appliances need hardly any maintenance.

Compliance with standards and directives

Liebherr refrigerators and freezers comply with all the various standards, norms and directives on storage quality, hygiene and safety.

Stable temperature – constant quality

Liebherr appliances offer maximum reliability for storing sensitive substances by ensuring constant temperatures. This not only maintains the correct climate for storage but also preserves the value of your stored products.

Precise temperature ranges

Temperature fluctuations must be minimal to ensure that the quality of sensitive substances is preserved. Liebherr refrigerators will not deviate from the set temperature by more than ±3 °C, and Liebherr freezers will not stray by more than ±5 °C. The measurement method in accordance with EN 60068-3 is used to determine the temperature fluctuations. This optimally protects the quality of their valuable contents.

Stability is in the air

The circulating-air refrigeration system and the optimal airflow in the interior keep the temperature stable and ensure that the set temperature is quickly restored after the door has been opened. This means frequent opening of the door during day-to-day use has little effect on temperature stability.

The Liebherr factor:

Consistent refrigeration for reliable storage:

· Temperature setting accurate to a tenth of a degree
· Low tolerance for deviations
· Innovative circulating-air refrigeration system
· Optimal airflow and circulation
· Constant monitoring of the precise storage temperature

Safety as standard

When handling highly sensitive substances, safety has top priority. Whether the risk is unauthorized access or loss of quality – Liebherr protects valuable contents with numerous safety functions.

SmartLock: the door that thinks

To prevent products from accidentally entering circulation after an interruption in the cold chain, SmartLock automatically locks the door in the event of an alarm. Only authorized people can unlock it again.

Self locking door: with safety hinges

To make loading, unloading and cleaning easier, the appliance door stays open if opened by more than 90°. If the opening angle is less than 90°, it closes automatically for safety.

Locking systems: individual and secure

Liebherr appliances can be electronically locked and unlocked using an individual PIN code and digital remote control by as many users as you like – without them having to share a key.

+2 °C SafetyDevice: protection from freezing

If the temperature falls below +2 °C due to a malfunction, the SafetyDevice takes control, stabilizing the temperature, activating the alarm and protecting the contents from freezing.

The Liebherr factor:

Integrated safety functions to protect sensitive substances:

· Self-closing door at an opening angle of less than 90°
· Automatic locking in the event of an alarm
· Electronic/mechanical locking systems
· Protection from freezing in the event of malfunctions

Checks are good, but alarms are better

Professional refrigerators and freezers guarantee maximum storage safety through constant temperature monitoring, immediate alarms for uncontrolled fluctuations and recording of critical situations.

LightAlarm:
know at a glance when action is needed

If there is an uncontrolled temperature rise, if a door has been left open or there are any other problems, the interior light of the appliance starts flashing. In the case of glass-door appliances, this quickly reveals where action is needed. With solid-door appliances, the flashing interior warns you to close the door immediately to preserve the storage quality.

Alarm relay:
don't miss any deviations

In the event of an alarm, the responsible control center is informed immediately, usually through connections to the building control system. You can define in advance which alarms are to be forwarded, as well as set how long forwarding remains active and whether a reminder should be sent after the alarm is acknowledged. This allows you to react immediately in critical situations.

Alarm history:
quality check made easy

In order to be able to evaluate the quality of the stored substances, a clear history of anomalies that have occurred is necessary. The alarm history logs important data such as the date, duration and maximum temperature of the last ten, and can be accessed and reviewed from anywhere.

Integrated data logger:
can be traced back for years

To ensure full traceability, the integrated data logger records the temperature profile, alarm history and service information for up to five years. The stored data can be read directly from the appliance via a USB interface.

Maximum performance at a minimal cost.

Rising costs increase the requirements that professional refrigerators and freezers must meet. Liebherr scores highly here on every level with sustainably economical appliances.

Ultra-efficient:
good for people and the environment

Rising electricity prices increase the requirements for efficiency in refrigerators and freezers. From the compressor to the seal, to the lighting and electronics, Liebherr fully utilizes the savings potential of each component. The result is impressive – especially in terms of total cost of ownership with all models EnergyStar certified.

Outstanding service life:
satisfaction guaranteed

Liebherr appliances are designed for a long service life. Extremely robustly manufactured, they withstand the demands of daily use. This is quality that pays off – for many years to come.

Almost maintenance free:
saves costs, time and aggravation

Liebherr's professional freestanding appliances operate without filters or other components and parts that require regular replacement. They only need to be regularly cleaned and calibrated according to your individual needs.

The Liebherr factor:

Very low energy and total operating costs:

· Energy-efficient
· Extremely long service life
· Almost maintenance-free

Meeting the highest expectations.
And the applicable standards and directives.

Hardly any sector has more stringent requirements for the storage of substances than those of research, laboratories and medicine. Liebherr professional appliances are specially developed to meet these extremely strict requirements for aspects such as hygiene and occupational safety.

DIN 13277 compliance

Laboratory and pharmaceutical refrigerators from Liebherr meet all the necessary property and performance criteria to fully comply with DIN 13277.

IEC 61010-2-011 compliance

Liebherr refrigerators and freezers specially developed for storing temperature-sensitive products are CE safety-compliant. This ensures that all mechanical and electrical requirements for injury-free operation are met – and that you and your team are always kept safe.

Compliance with applicable standards set by NFPA 45 and NFPA 99

The interior of Liebherr refrigerators and freezers designed for storing flammable materials is free from ignition sources and suitable for use with flammable substances in sealed containers. These units meet the requirements for Class I, Division 2, Gas Group B, and comply with applicable standards set by NFPA 45 and NFPA 99.

Cleanroom compatibility

Liebherr refrigerators and freezers in the new scientific line have been tested for use in cleanrooms in accordance with DIN EN ISO 14644. This eliminates the need for you to carry out an additional risk assessment.

Antimicrobial handle

A benefit for users but a bane for germs: The easy-turn handle mechanism makes opening the door effortless. It contains special antimicrobial substances that reduce bacteria by up to 99.99%*. Regular and time-consuming disinfection is not necessary. This means the appliance is extremely safe even if many people have access to it.
*According to ISO 22196:2011

Recommended cleaning products and disinfectants

Liebherr appliances are designed for a long service life. To maintain them, the manual or separate instructions contain recommendations for cleaning products and disinfectants that have been tested by Liebherr for safe use. This way you can be sure that you are not accidentally harming your appliance when you are trying to take care of it.

Easy-to-clean interior

The inner liner is made of polystyrene: a fully recyclable, robust, and odorless plastic. Manufactured seamlessly from one piece, it has no hidden dirt traps and the large, rounded corners can be cleaned quickly and easily. It's the perfect combination of sustainability and hygiene.

The Liebherr factor:

Designed to meet the strictest standards, norms and directives:

- Suitable for storing sensitive substances in accordance with **DIN 13277**
- Safe operation in accordance with **IEC 61010-2-011**
- Compliance with applicable standard set by **NFPA 45** and **NFPA 99** for storing explosive and highly flammable substances
- Cleanroom compatible
- Hygienic and easy-to-clean design

Two unique series

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Whether it's a large research facility or a small laboratory, a doctor's surgery, a nursing home or a pharmacy – our range includes models for every requirement. But however different the appliances are, they all have one thing in common: their first-rate quality.

Performance   Perfection

Performance series

All the appliances in the Performance series comply with the safety standard IEC 61010-2-011. In addition, some appliances meet other standards such as the NFPA 45 & NFPA 99 directive.

Optimal temperature stability
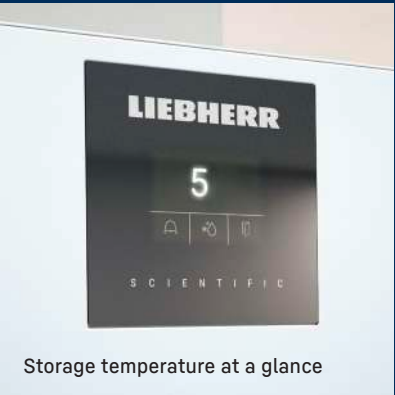
Storage temperature at a glance

LED interior light

Antimicrobial handle with opening mechanism
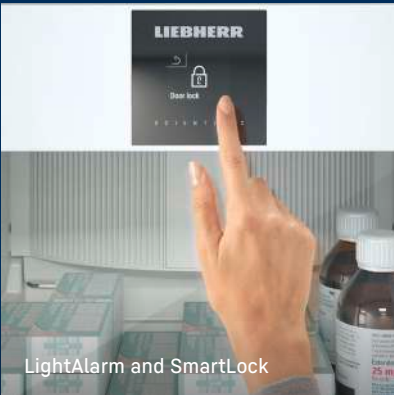
LightAlarm and SmartLock

Perfection series

The appliances in the Perfection series not only comply with the IEC 61010-2-011 safety standard but also DIN 13277, which specifies requirements for laboratory and medical applications.

Built-in LAN/WiFi interface

Refrigerators and freezers for laboratories and research

MediLine

Performance series

Perfection series

	MediLine **General laboratory use** SUFsg	**Performance-Series** **General laboratory use/Flammable storage material** SRFfg/SFFfg/SRTvg/SRTfg/ SFTsg/SFTfg	**Perfection series** **General laboratory use** SCFvh/SRPvh/SFPvh/SRTvh
Temperature stability		Refrigerators +/−3 K deviation from setpoint	Refrigerators +/−2 K deviation from setpoint
	Freezers < ± 7 K deviation from setpoint	Freezers +/−5 K deviation from setpoint	Freezers < ± 4 K deviation from setpoint
	SmartFrost	Freezers with SmartFrost; SFPvg with NoFrost	Freezers with NoFrost
	Calibration option	Calibration option	Calibration option
Storage safety	Visual and audible alarms	Visual and audible alarms	Visual and audible alarms
	Custom alarm settings possible	Custom alarm settings possible	Custom alarm settings possible
	Alarm relay	Alarm relay	Alarm relay
		Alarm test function	Alarm test function
		+2 °C SafetyDevice function (Refrigerators)	+2 °C SafetyDevice function
	Alarm with battery backup (72 h) immediately upon power failure	Alarm immediately upon power failure	Alarm with battery backup (12 h) immediately upon power failure
			Alarm history with real-time clock and 10 events
	Integrated data logger Integrated data logger		Integrated data logger
			PT1000 product sensor (optional for SFFvh models)
		Min./max. temperature log	Min./max. temperature log
		Self-closing door at < 90°	Self-closing door at < 90°
	Mechanical lock	Mechanical lock	Mechanical lock
Interfaces	Interface Ethernet	Optional LAN/WiFi	Integrated LAN/WiFi
	Modbus RTU communication protocol TCP/IP	Local API (optional via SmartModule)	Local API
	USB interface for reading the data logger		USB interface for reading the data logger
Connectivity	external data loggers	SmartModule can be retrofitted	SmartModule integrated
Features	LED 7-segment display with buttons	Monochrome display, touch buttons	2.4" touch & swipe color display
	Maintenance timer 360 days	Individually adjustable maintenance timer	Individually adjustable maintenance timer
	Castors as standard	Castors/adjustable feet as accessories, SRPvg/SFPvg with castors as standard	Castors/adjustable feet as accessories, 75 cm-wide appliances with castors as standard
		Refrigerator evaporator cover (stops items freezing to inner liner), only for glass door models and SRTvg/SRTfg models	Refrigerator evaporator cover (stops items freezing to inner liner), only for glass door models and SRFvh/SCFvh/SRTvh models
	3 Sensor feedthroughs	Sensor feedthrough	Sensor feedthrough
		Refrigerators: glass door models with ceiling lighting (SRPvg models with ceiling lighting)	Refrigerators: Insulated and glass door models with vertical lighting
		Freezers: no lighting (SFPvg models with ceiling lighting)	Freezers: LED lighting in the front housing (SFPvh models with vertical lightning)
	Aluminum lever handle	Antimicrobial handle with opening mechanism (SRPvg/SFPvg with integrated handle)	Integrated handle (SCFvh/SRTvh with antimicrobial handle with opening mechanism)
Energy consumption		EnergyStar	EnergyStar
Compliance	Safety according to IEC 61010-2-011	Safety according to IEC 61010-2-011	Safety according to IEC 61010-2-011
		NFPA 55 & NFPA 99 (SRFfg/SFFfg/SRTfg/SFTfg)	Fulfils DIN 13277

The series equipment listed above may vary depending on the model. Exact details can be found in the model description.

ULT freezers – maximum safety and efficiency at ultra-low temperatures

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Liebherr ultra-low temperature freezers set new standards in the temperature range from −40 °C to −86 °C. Not only do they offer unprecedented quality and reliability for storing highly sensitive substances, but also outstanding energy efficiency and ease of use that you will notice every day. Robust, economical and extremely safe, the series of appliances from the experts in freezing for laboratories and research facilities have an impressive number of functions and features.

For optimal protection of your valuable samples, chemicals and research materials. And for the satisfaction of being able to concentrate fully on your work.

The advantages at a glance

Detachable inner door
The detachable inner doors made of rust-proof stainless steel prevent loss of cold air when opening and are also easy to clean.

Door seals
The innovative door seal design, consisting of two all-round seals, makes the door completely airtight when closed. This also helps reduce energy consumption. The seals can be replaced separately and without tools.

Stainless steel workmanship
The interior, shelves and inner doors are made of rust-proof stainless steel and are therefore easy to clean. This enables optimum hygiene.

Intuitive electronics
The intuitive electronics with integrated real-time clock allow the temperature to be set with an accuracy of one tenth of a degree. The control and display panel is resistant to dirt and easy to clean. Flexible parameter adaptations, such as offset and alarm value settings, allow the appliances to be quickly and easily adapted and qualified for your applications and requirements.

Shelves
Three stainless steel shelves in the interior, that can be freely adjusted in 1" (24mm) increments, offer flexibility for space-saving storage, tailored to your requirements. You can add more shelves if required.
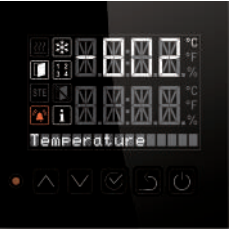
Monitoring system
The 3-stage monitoring system, consisting of integrated alarm notifications for temperature, door or mains electrical faults, upgradable features such as CO_2 emergency refrigeration and online monitoring, ensures optimum protection during storage. In the event of a power failure, integrated 12-volt batteries immediately supply the electronics with power. Notifications are provided in critical situations.

Data recording
There are two feedthroughs 1 1/16" (28mm) on the top and bottom left for installing separate sensors for external monitoring or data recording systems in the interior.

Insulation
The combination of CFC-free polyurethane foam and vacuum-insulated panels ensures the best possible insulation to prevent rapid temperature increases.

Unloading ramp
No forklift required: the unloading ramp integrated in the packaging helps you easily position the appliance.

Pressure compensation valve
When the door is opened and closed, the air exchange creates a vacuum which makes it difficult to open the door again immediately afterwards. The heated pressure compensation valve quickly equalises the vacuum and the door can be easily opened again after just a few seconds.

SUFsg 5001 MediLine

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The equipment details shown depend on the model; the description for the respective model applies.

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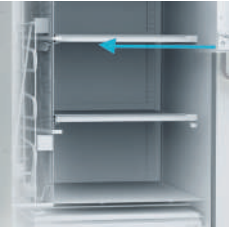
Quality right down to the smallest detail

Mechanical lock
The mechanical lock protects the stored products from unwanted access. The door is opened with an ergonomic and unbreakable aluminium lever handle.
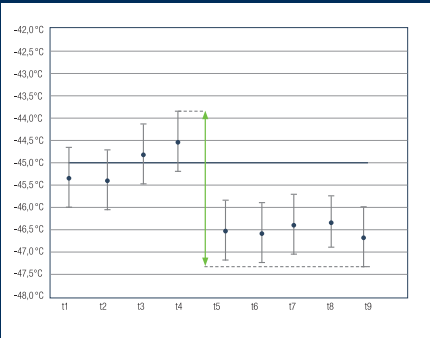
Minimal temperature fluctuations
In order to maintain the quality of the stored samples, it is important to minimise temperature fluctuations. Liebherr ultra-low temperature freezers are characterized by extremely low fluctuations, both within the appliance and over time.

Low energy consumption
Ultra-low temperature freezers are among the appliances with the highest energy consumption in research facilities. In combination with highly insulating vacuum panels, the efficient cooling system allows economical operation, optimum energy savings and therefore low operating costs.

Low heat generation
The efficient cascade cooling system with HC refrigerants generates significantly less heat than previous technologies. This saves costs in the thermal design of the room's air conditioning system. If heat dissipation via the room air conditioning is not possible, water cooling is available as an option.
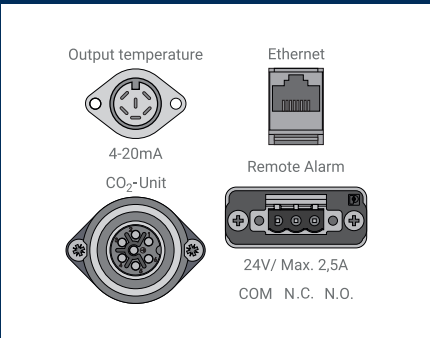
Connection to documentation and monitoring systems
All the appliances have a volt-free alarm output and an Ethernet interface for remote monitoring. In addition, the temperature and alarm records can be read via the integrated USB interface. Optionally, a 4-20 mA output allows the temperature value to be integrated into existing data recording systems.

Door seals
The innovative door seal design, consisting of two all-round seals, makes the door completely airtight when closed. This also helps reduce energy consumption. The seals can be replaced separately and without tools.
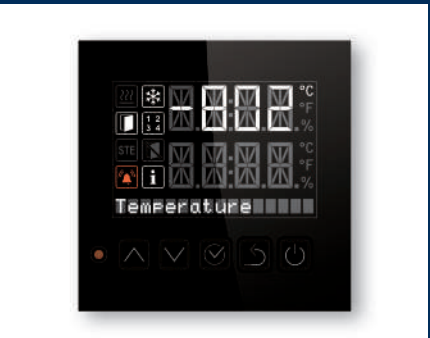
Alarm system
A three-stage monitoring system with alarms protects the contents from any risks. In the event of a power cut, mains electrical faults, temperature fluctuations or an open door, the monitor regulator is triggered and a visual alarm appears on the regulator.

SUFsg 7001
MediLine

SUFsg 5001
MediLine

	SUFsg 7001	SUFsg 5001
Total capacity cu. ft. (l)	728 / 700 (25.7 /24.7)	491 / 471 (17.3 / 16.8)
Exterior dimensions in mm (w / d / h)	1110/985/1966	921/985/1966
in inches (w / d / h)	43 11/16" / 38 3/4" / 77 3/8"	36 1/4" / 38 3/4" / 77 3/8"
Interior dimensions in mm (w / d / h)	890/590/1300	586/605/1300
in inches (w / d / h)	35 1/16" / 23 1/4" / 51 3/16"	23 1/16" / 23 13/16" / 51 3/16"
Energy consumption kWh/day *	8.14	8.36
Ambient temperature range in °C (°F)	+16°C to +32°C (61°F to 90°F)	+16°C to +32°C (61°F to 90°F)
Heat output/system	1188 kJ/h/air cooling	1188 kJ/h/air cooling
Refrigerant	R290/R170	R290/R170
Sound rating [1]	47 dB(A)	47 dB(A)
Connection rating	11.7 A/1.4 kW	11.7 A/1.4 kW
Voltage/frequency	120V~/60 Hz	120V~/60 Hz
Temperature range in °C (°F)	-40°C to -86°C (-40°F to -123°F)	-40°C to -86°C (-40°F to -123°F)
External cabinet finish	Steel / white	Steel/white
Door/lid material	Steel	Steel
Internal liner material	Stainless steel	Stainless steel
Type of control	Electronic control	Electronic control
Temperature display	External Digital	External Digital
Interface	LAN (Ethernet)	LAN (Ethernet)
Volt-free alarm contact	Yes	Yes
Data logger	Integrated, USB interface	Integrated, USB interface
Power failure alarm	Immediate with power cut for 72 h	Immediate with power cut for 72 h
Cooling system	Static	Static
Refrigeration +22°C to -80°C	450 min	360 min
Warming -80°C to -60°C / to 0°C	250 min / 2220 min	230 min/2160 min
Number / Max. number of shelves	4 / 14	4/13
Shelf material	Stainless steel	Stainless steel
Shelf load weight in kg (lbs)	51 kg (110.2 lbs)	50 (110.2) kg
Number of racks per drawer	6	4
Max. number of cryo boxes 50 mm / 75 mm	528 / 336	352 / 224
Castors	Castors with brake at the front, fixed castors at the rear	Castors with brake at the front, fixed castors at the rear
Replaceable door seal	Yes	Yes
Sensor performance	3 x Ø 28 mm	2 x Ø 28 mm
Lock	Yes	Yes
Door hinges	Right, not reversible	Right, not reversible
Gross/net weight in kg (lbs)	361 kg (796)	308 kg (679)
Accessories		
Cyroboxes	7790038	7790038
Co2 backup system	7790048	7790048
Foamed inner door	7790127	7790070
Cover main- switch	7790051	7790051
Analogue output 4-20mA Temp	7790042	7790042

1 Average sound pressure level at 1 m distance

Ultra-low temperature freezers

Racks for cryoboxes

Convenient and temperature-resistant storage systems for well-organized sample storage. Available as aluminium or stainless steel side-access racks
for 5x4 or 6x4 50 mm boxes and as stainless steel front-access drawer racks
for 5x4 or 6x4 50 mm boxes.
Maximum Loading SUFsg 5001: 8x Rack 5x4 + 8x Rack 6x4 = 352 boxes x 81 pcs.
2mL samples.
Maximum Loading SUFsg 7001: 12x Rack 5x4 + 12x Rack 6x4.

|			
Aluminium side-access rack 5x4	7790003	Stainless steel side-access rack 5x4	7790027
Aluminium side-access rack 6x4	7790014	Stainless steel side-access rack 6x4	7790028
Aluminium side-access rack 5x4 + cryoboxes	7790015	Stainless steel front-access rack 5x4 + drawers	7790031
Aluminium side-access rack 6x4 + cryoboxes	7790025	Stainless steel front-access rack 6x4 + drawers	7790032
Stainless steel side-access rack 5x4 + cryoboxes	7790029	Stainless steel front-access rack 5x4 + cryoboxes + drawers	7790033
Stainless steel side-access rack 6x4 + cryoboxes	7790030	Stainless steel front-access rack 6x4 + cryoboxes + drawers	7790036

Foamed inner doors
The foamed inner doors provide the best possible insulation and temperature stability, ensuring efficient cooling and low power consumption.

Cover for mains switch incl. key lock
Protection against unintended disconnection or manipulation of the mains switch.

Output temperature
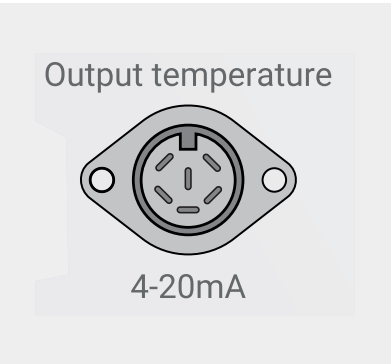
4-20mA

4-20mA analogue output
The 4-20mA interface displays the interior temperature as a current value, which for example can be imported into an independent system for recording or checking the internal temperature.

Cryoboxes
The set contains 36 durable and temperature-resistant cryoboxes made from water-repellent cardboard, with fixed 9x9 grid, for safe storage and transport of valuable samples.

CO_2 backup system
The CO_2 backup system ensures that the cooling of the stored samples continues at reduced temperatures for up to 72 hours in the event of a power failure. The CO_2 bottle is not part of the accessory.

Stainless steel storage shelves
Additional robust stainless steel shelves for flexible and individual partitioning of the interior at 24 mm increments.

High-performance appliances – safety redefined

Hardly any sector has more stringent requirements for refrigerators and freezers than those of laboratories and research. Liebherr meets them with a specifically developed range and a new generation of appliances.

Sensitive substances are reliably stored at precise temperatures and additionally protected by integrated alarm systems. Maximum efficiency ensures low consumption, while durable materials and maintenance-free components guarantee minimal operating costs. The comprehensive range is user-friendly and easy to connect in a network.

Discover typical Liebherr quality that will pay off for years and lighten your daily workload.

The advantages
at a glance

Easily accessible refrigeration components.
The refrigeration components are easily accessible, located in the upper part of the machinery compartment to significantly increase the capacity of the interior. The front can be easily lifted up to facilitate cleaning or servicing. When opened by more than 45 ° it can be completely detached.

SmartLock
To prevent products from accidentally entering circulation after an interruption in the cold chain, SmartLock automatically locks the door if there is an alarm. Only authorized persons can unlock it again.

Feedthrough for external sensors
An integrated opening allows a separate sensor to be connected for additional temperature monitoring without having to drill holes or break the door seal.

Power failure alarm
If a malfunction occurs, an integrated battery provides a visual and audible alarm and takes over the power supply. As soon as the power is restored, the time of failure and the maximum temperature reached are displayed.

LightAlarm
In the event of an uncontrolled temperature rise or other problems, the interior light of the appliance starts flashing. This visually shows when action is needed.

Wire shelf
Corrosion-free wire shelves made of coated steel guarantee a secure hold, constant air circulation and good temperature stability.

Stainless steel workmanship
The smooth interior made of chrome-nickel steel (1.4301 / AISI 304) is easy to clean and ensures optimal hygiene.

+2 °C SafetyDevice
If the temperature falls below +2 °C due to a malfunction while the temperature setting is at +5 °C or higher, the SafetyDevice takes control, stabilising the temperature, activating the alarm and protecting the contents from freezing.

Electronic lock
Liebherr appliances can be electronically locked and unlocked using an individual PIN code and optional digital remote control by as many users as you like – without them having to share a key.

Integrated WiFi/LAN interface
The integrated WiFi/LAN interface enables you to easily connect your appliances with existing local systems.

Vertical LED lighting
Vertical LED lighting provides optimal illumination of the interior over the entire height of the appliance. This not only saves you time looking for things, but, above all, cuts energy costs.

Self-closing door < 90°
To make loading, unloading and cleaning easier, the appliance door stays open if opened by more than 90°. If the opening angle is less than 90°, it closes automatically for safety.

Self-closing door
The self-closing door with an easy-to-replace solenoid gasket closes particularly tightly, preventing unnecessary loss of cold. The ergonomic door handle, running all the way up the door, makes it easy to open.

Castors
Models come with castors as standard, to allow versatile use according to the available space,as well as easy cleaning, even under appliances.

SRPvh 6511 Perfection

The equipment details shown depend on the model; the description for the respective model applies.

Enlarged glass door view
Overview of the content in stock – essential during a hectic working day. The all-glass door with enlarged field of view provides maximum visibility of the appliance interior. This makes it easier to organize goods and to quickly find the required product, saving valuable time.

Quality right down to the smallest detail

Advantage of hot gas defrosting
Reduces the time when the temperature is increased

| 30 min	10 min
Electric defrosting	Hot gas defrosting

Integrated WiFi/LAN interface
The integrated WiFi/LAN interface enables you to easily connect your appliances with Liebherr SmartMonitoring or existing local systems.

SmartLock
To prevent products from accidentally entering circulation after an interruption in the cold chain, SmartLock automatically locks the door if there is an alarm. Only authorized persons can unlock it again.

Energy-efficient hot gas defrosting
Timed and on-demand hot gas defrosting allows very short defrosting times. To additionally improve temperature stability during defrosting, the internal temperature is slightly lowered shortly beforehand to create a reserve of cold air.

+0.5 °C

Cal. 5.0 °C +0.5 °C
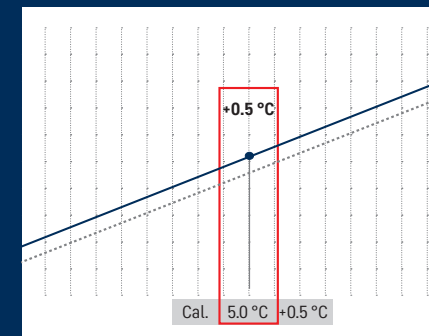
Accurate 1-point calibration
The laboratory appliances with electronic controls have a 1-point calibration function for extremely accurate temperature control. This allows compensation between the set temperature and the actual interior temperature. The correction value can be adjusted in increments of 0.1 K.

DIN 13277 compliance
Laboratory and pharmacy refrigerators from Liebherr meet all the necessary equipment and performance criteria to fully comply with DIN 13277. DIN 13277 defines the requirements and test specifications for refrigerators and freezers used in laboratories and for storing medicinal products.

±2 °C temperature stability
Temperature fluctuations must be minimal to ensure that the quality of sensitive substances is preserved. Liebherr Pharmaceutical refrigerators have an impressive maximum deviation of just ±2 °C from the set temperature. This not only maintains the storage climate, but also the value of your stored goods.

The equipment details shown depend on the model; the description for the respective model applies.

	SRPvh 1412 Perfection	**SRPvh 1402** Perfection	**SRPvh 8411** Perfection	**SRPvh 8401** Perfection	**SRPvh 6511** Perfection	**SRPvh 6501** Perfection
Total capacity	50.1 / 48.2 cu. ft. (1,418 / 1, 365 l)	48.2 / 46.8 cu. ft. (1364 / 1325 l)	31.3 / 30.4 cu. ft. (886 / 860 l)	30.2 / 29.7 cu. ft. (855 / 841 l)	22.2 / 21.4 cu. ft. (628 / 606 l)	21.3 / 20.2 cu. ft. (603 / 572 l)
Exterior dimensions in mm (w / d / h)	1427 / 867 / 2135	1427 / 867 / 2135	787 / 1017 / 2135	787 / 1017 / 2135	697 / 867 / 2135	697 / 867 / 2135
in inches (w / d / h)	56 3/16" / 34 3/16" / 84 1/16"	56 1/4" / 34 3/16" / 84 1/16"	31" / 40 18/16" / 84 1/16"	32 11/16" / 41 3/8" / 87 7/16"	27 1/2" / 34 3/16" / 84 1/16"	29 3/16" / 35 7/16" / 88 5/8"
Interior dimensions in mm (w / d / h)	976 / 638 / 1493	976 / 638 / 1493	579 / 788 / 1493	579 / 788 / 1493	489 / 638 / 1493	489 / 638 / 1493
in inches (w / d / h)	47 11/16" / 25 1/8" / 58 13/16"	1210 / 638 / 1493	22 13/16" / 31 1/16" / 58 13/16"	22 13/16" / 31 1/16" / 58 13/16"	19 5/16" / 25 1/8" / 58 13/16"	19 5/16" / 25 1/8" / 58 13/16"
Energy consumption (kWh/ day) *	2.24	1.34	1.26	0.79	1.01	0.66
Ambient temperature	+10°C to +35°C (50°F to 95°F)	+10°C to +35°C (50°F to 95°F)	+10°C to +35°C (50°F to 95°F)	+10°C to +35°C (50°F to 95°F)	+10°C to +35°C (50°F to 95°F)	+10°C to +35°C (50°F to 95°F)
Heat output	695 kJ/h	565 kJ/h	425 kJ/h	360 kJ/h	365 kJ/h	305 kJ/h
Refrigerant	R 600a	R 600a	R 600a	R 600a	R 600a	R 600a
Sound rating	60 dB(A)	60 dB(A)	60 dB(A)	60 dB(A)	60 dB(A)	60 dB(A)
Voltage / Frecuency	115 V / 60Hz	115 V / 60Hz	115 V / 60Hz	115 V / 60Hz	115 V / 60Hz	115 V / 60Hz
Connection rating/Rated consumption watts	4.0 A / 130 W	4.0 A / 130 W	4.0 A / 130 W	4.0 A / 130 W	4.0 A / 130 W	4.0 A / 130 W
Cooling system / Defrost	Forced-air / automatic	Forced-air / automatic	Forced-air / automatic	Forced-air / automatic	Forced-air / automatic	Forced-air / automatic
Temperature range in °C (°F)	0 °C to +16 °C	-2 °C to +16 °C	0 °C to +16 °C	–2 °C to +16 °C	0 °C to +16 °C	-2 °C to +16 °C
Gradient ² / max. fluctuation ³	2.6 °C / 1.9 °C	2.3 °C / 2.1 °C	3.9 °C / 2.9 °C	3.1 °C / 2.3 °C	2.5 °C / 3.4 °C	2.3 °C / 2.5 °C
External cabinet finish	Steel / white	Steel / white	Steel / white	Steel / white	Steel / white	Steel / white
Door material/ color	Insulating glass door with steel frame / white	Steel / white	Insulating glass door with steel frame / white	Steel / white	Insulating glass door with steel frame/white	Steel / white
Internal liner material	Chrome-nickel steel 1.4301 / AISI 304	Chrome-nickel steel 1.4301 / AISI 304	Chrome-nickel steel 1.4301 / AISI 304	Chrome-nickel steel 1.4301 / AISI 304	Chrome-nickel steel 1.4301 / AISI 304	Chrome-nickel steel 1.4301 / AISI 304
Type of control	2.4" touch & swipe color control	2.4" touch & swipe color control	2.4" touch & swipe color control	2.4" touch & swipe color control	2.4" touch & swipe color control	2.4" touch & swipe color control
Power failure alarm	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs
Fault: warning signal / Volt-free alarm contact	Visual and audible / yes	Visual and audible / yes	Visual and audible / yes	Visual and audible / yes	Visual and audible / yes	Visual and audible / yes
SmartMonitoring compatible / Connectivity type	Yes / SmartModule	Yes / SmartModule	Yes / SmartModule	Yes / SmartModule	Yes / SmartModule	Yes / SmartModule
Connectivity solution / Interface	Integrated, removable / WiFi/LAN	Integrated, removable / WiFi/LAN	Integrated, removable / WiFi/LAN	Integrated, removable / WiFi/LAN	Integrated, removable / WiFi / LAN	Integrated, removable / WiFi/LAN
Data logger	Integrated, USB interface	Integrated, USB interface	Integrated, USB interface	Integrated, USB interface	Integrated, USB interface	Integrated, USB interface
Interior light	LED light column both sides	LED light column both sides	LED light column, left	LED lighting column, left	LED lighting column, left	LED lighting column, left
Adjustable shelves / Shelf material	8 / wire shelves plastic-coated	8 / wire shelves plastic-coated	4 / wire shelves plastic-coated	4 / wire shelves plastic-coated	4 / wire shelves plastic-coated	4 / wire shelves plastic-coated
Usable shelf area in mm (in)	480 / 638 mm (18 7/8" / 25")	480 / 638 (24 1/16" / 19 11/16")	570 / 788 (22 1/2" / 31")	570 / 788 (22 1/2" / 31")	480 / 638 mm (18 7/8" / 25")	480 / 638 mm (18 7/8" / 25")
Shelf load weight / Maximum total load in kg (lbs)	60 kg (132 lbs)	60 kg (132 lbs)	60 kg (132 lbs)	60 kg (132 lbs)	60 kg (132 lbs)	60 kg (132 lbs)
Casters	5 swivel castors, 2 with parking brake	5 swivel castors, 2 with parking brake	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, fixed castors at the rear
Handle	Vertical recessed handle	Vertical recessed handle	Vertical recessed handle	Vertical recessed handle	Vertical recessed handle	Vertical recessed handle
Access ports	1 x Ø 12 mm	1 x Ø 12 mm	1 x Ø 12 mm	1 x Ø 12 mm	1 x Ø 12 mm	1 x Ø 12 mm
Type of lock	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Door hinges	Left-hand / right-hand	Left-hand / right-hand	Right, reversible on site	Right, reversible on site	Right, reversible on site	Right, reversible on site
Gross/net weight in kg (lbs)	293 / 268 kg (645 / 590 lbs)	235 / 210 (518 / 463)	186 / 168 (410 / 370)	220/201 kg (489.4/443.1)	220 / 201 (489.4 / 443.1)	148 / 130 kg (326 / 286 lbs)
Accessories						
U-shaped trayslide, left / U-shaped trayslide, right	7745088 / 7745090	7745088 / 7745090	7745092 / 7745094	7745092 / 7745094	7745088 / 7745090	7745088 / 7745090
Grey grid shelf / Perforated metal shelf in grey	7112608	7112608	7112614	7112614	7112608	7112608
Castors Ø 100 mm (4 in)	9597965	9597965	9597828	9597828	9597828	9597828
Adjustable feet, 115-175 mm (4.5 - 6.9 in)	9080132	9080132	9080131	9080131	9080131	9080131
Foot pedal opener	9597649	9597649	9597617	9597617	9597649	9597649
Side-by-Side set in white	9597677	9597677	9597677	9597677	9597677	9597677

1 Measured at +25°C ambient temperature and +5°C set temperature for refrigerators and -20°C for freezers.
2 Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration.
3 Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.

SFPvh 1402
Perfection ENERGY STAR

SFPvh 8401
Perfection ENERGY STAR

SFPvh 6501
Perfection ENERGY STAR

	SFPvh 1402	SFPvh 8401	SFPvh 6501
Total capacity	48.2 / 46.38 cu. ft. (1,364 / 1,313 l)	30.2 / 28.6 cu. ft. (855 / 810 l)	21.3 / 20.3 cu. ft. (603 / 575 l)
Exterior dimensions in mm (w / d / h)	1427 / 867 / 2135	787 / 1017 / 2135	697 / 867 / 2135
in inches (w / d / h)	56 1/4" / 34 3/16" / 84 1/16	31" / 40 1/16" / 84 1/16"	29 3/16" / 35 7/16" / 88 5/8"
Interior dimensions in mm (w / d / h)	1427 / 867 / 2135	579 / 788 / 1493	489 / 638 / 1493
in inches (w / d / h)	56 1/4" / 34 3/16" / 84 1/16"	22 13/16" / 31 1/16" / 58 13/16"	19 5/16" / 25 1/8" / 58 13/16"
Energy consumption (kWh/ day) [1]	5.26	3.08	2.84
Ambient temperature range in °C (°F)	+10°C to +35°C (50°F to 95°F)	+10 °C to +35 °C (50°F to 95°F)	+10 °C to 27 °C (50°F to 95°F)
Refrigerant	R 290	R 290	R 290
Sound power level	60 dB(A)	60 dB(A)	60 dB(A)
Voltage / Connection rating	115 V / 60Hz	60Hz/ 115V / 1.0 A	60Hz/ 115V / 1.0 A
Cooling system	Forced-air	Forced-air	Forced-air
Defrost	Automatic	Automatic	Automatic
Temperature range in °C (°F)	-9 °C to -35 °C [2]	-9 °C to -35 °C	-9 °C to -35 °C
Gradient [2] / max. fluctuation [3]	2.9 °C / 4.9 °C	4.3 °C / 4.6 °C	3.6 °C / 5.0 °C
External cabinet finish	Steel / white	Steel / white	steel / white
Door material	Steel / white	Steel / white	Steel
Internal liner material	Chrome-nickel steel (1.4301 / AISI 304)	Chrome-nickel steel (1.4301 / AISI 304)	Chrome-nickel steel (1.4301 / AISI 304)
Type of control	2.4" touch & swipe color display	2.4" touch & swipe color display	2.4" touch & swipe color display
Power failure alarm	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for min. 12h
Fault: warning signal	Visual and audible	Visual and audible	Visual and audible
Volt-free alarm contact	Yes	Yes	Yes
Connectivity solution	Integrated	Integrated	Integrated
Interface	Removable / WiFi / LAN	Removable / WiFi / LAN	Removable/ WiFi-LAN
Interior light	LED light column both sides	LED lighting column, left	LED lighting column, left
Adjustable shelves	8	4	4
Shelf material	Wire shelves plastic-coated	Wire shelves plastic-coated	Wire shelves plastic-coated
Usable shelf area in mm (w / d)	480 / 638	570 / 788 mm (24 1/16" / 19 11/16")	480 / 638 (18 7/8" / 25")
Shelf loading kg. (lbs)	60 kg (132 lbs)	60 kg (132 lbs)	60 kg (132 lbs)
Handle	Vertical recessed handle	Vertical recessed handle	Vertical recessed handle
Type of lock	Electronic	Electronic	Electronic
Door hinges	Left-hand / right-hand	Right, reversible on site	Right, reversible on site
Gross / net weight kg. (lbs.)	235 / 210 (518 / 463)	167 / 149 kg (489.4 / 443.1 lbs)	150 / 132 kg (350 / 291 lbs)

Accessories

	SFPvh 1402	SFPvh 8401	SFPvh 6501
U-shaped trayslide, (left / right)	7745088 / 7745090	7745092 / 7745094	7745092 / 7745094
Gray wire shelf	7112608	7112614	7112614
Castors Ø 100 mm (4 in)	9597965	7746616	7746616
Adjustable feet, 115 – 175 mm (4.5 - 6.9 in)	9080132	9597828	9597828
Foot pedal opener	9597649	9080131	9080131
Side-by-Side set in white	9597677	99597677	9597677

1 Measured at +25°C ambient temperature and +5°C set temperature for refrigerators and -20°C for freezers
2 Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements,
increased by their expanded uncertainty, throughout the duration.
3 Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements..

General Purpose appliances – for maximum precision and safety

—

Constant temperatures are essential when storing sensitive substances. This especially applies to work in laboratories, where even the slightest deviations can jeopardise the quality of research results. This is why Liebherr has developed new refrigerators and freezers specifically for this sector, combining maximum refrigeration performance with optimum temperature stability. Innovative safety features with monitoring and alarm functions offer all-round protection from all kinds of incident and malfunction.

The next generation of appliances also set new standards in terms of energy efficiency and total cost of ownership. On the next few pages we present the latest results of research and development by the refrigeration specialists at Liebherr and show how they can benefit safety in your laboratory.

The advantages at a glance

Integrated data logger

The integrated logger records the temperature profile, alarm history and service information for up to five years. The data can be read out directly from the appliance via the USB interface.

Min./max. temperature log

The min./max. temperature log stores the minimum and maximum interior temperatures and shows on the display whether the storage temperatures were within the tolerance limits.

+2 °C SafetyDevice

If the temperature falls below +2 °C due to a malfunction, the SafetyDevice takes control, stabilizing the temperature, activating the alarm and protecting the contents from freezing.

Power failure alarm

If a malfunction occurs, an integrated battery provides a visual and audible alarm and takes over the power supply. As soon as the power is restored, the time of failure and the maximum temperature reached are displayed.

LightAlarm

In the event of an uncontrolled temperature rise or other problems, the interior light of the appliance starts flashing. This visually shows when action is needed.

Feedthrough for external sensors

An integrated opening allows a separate sensor to be connected for additional temperature monitoring without having to drill holes or break the door seal.

Mechanical lock

Liebherr professional appliances are equipped with a mechanical lock and two keys. This ensures that unauthorized persons cannot access your valuable and sensitive stored goods.

Easy-to-clean interior

The inner liner made of fully recyclable, robust and odorless polystyrene is manufactured in one piece without joints. This makes it quick and easy to clean the large, rounded corners.

Replaceable door seal

Save time and money: the insertable Liebherr door seals are easy to change. If a seal is damaged, you can replace it yourself without any tools.

Self-closing door < 90°

To make loading, unloading and cleaning easier, the appliance door stays open if opened by more than 90°. If the opening angle is less than 90°, it closes automatically for safety.

SRFvh 5511

Quality right down to the smallest detail

LED front lighting
The LED front lighting provides optimal illumination of the drawers even in dark environments. Thanks to the perfect overview, the desired substance is immediately at hand, the door can be quickly closed again, and the interior temperature remains stable. For low consumption and lower energy costs.

NoFrost technology
Liebherr professional laboratory appliances no longer need manual defrosting. Any moisture that occurs is bound by the fan-assisted cooling, and when necessary, defrosting phases remove any remaining moisture particles from of the interior – for convenient, safe, and ice-free storage.
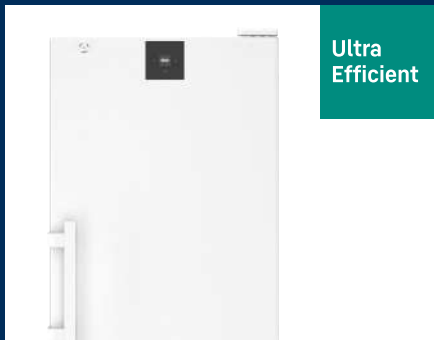
Ultra-efficient
Rising electricity prices are increasing the demands on the efficiency of refrigerators and freezers. From the compressor to the seal, to the lighting and electronics, Liebherr fully utilises the savings potential of every component. The result is impressive – especially in terms of total operating costs.

Antimicrobial handle with opening mechanism
The smooth-turning handle contains special antimicrobial substances that make it particularly hygienic. Regular and time-consuming disinfection is not necessary.
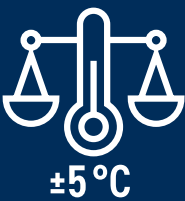
±5 °C temperature stability
(Freezer) Sensitive substances cannot be subjected to large deviations from the set storage temperature. Liebherr freezers guarantee a temperature fluctuation of no more than ±5 °C, so that the valuable goods you store in them are optimally protected and their quality is preserved.

DIN 13277 compliance
Laboratory and pharmacy refrigerators from Liebherr meet all the necessary equipment and performance criteria to fully comply with DIN 13277.
DIN 13277 defines the requirements and test specifications for refrigerators and freezers used in laboratories and for storing medicinal products.

IEC 61010-2-011 standard
Liebherr refrigerators and freezers specially developed for storing temperature-sensitive products are CE safety-compliant. This ensures that all mechanical and electrical requirements for injury-free operation are met – and that you and your team are always safe.
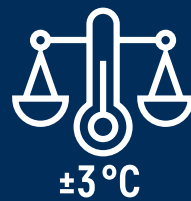
±3 °C temperature stability
(Refrigerator) Temperature fluctuations must be minimal to ensure that the quality of sensitive substances is preserved. Liebherr Laboratory refrigerators have an impressive maximum deviation of just ±3 °C from the set temperature. This not only maintains the storage climate, but also the value of your stored goods.
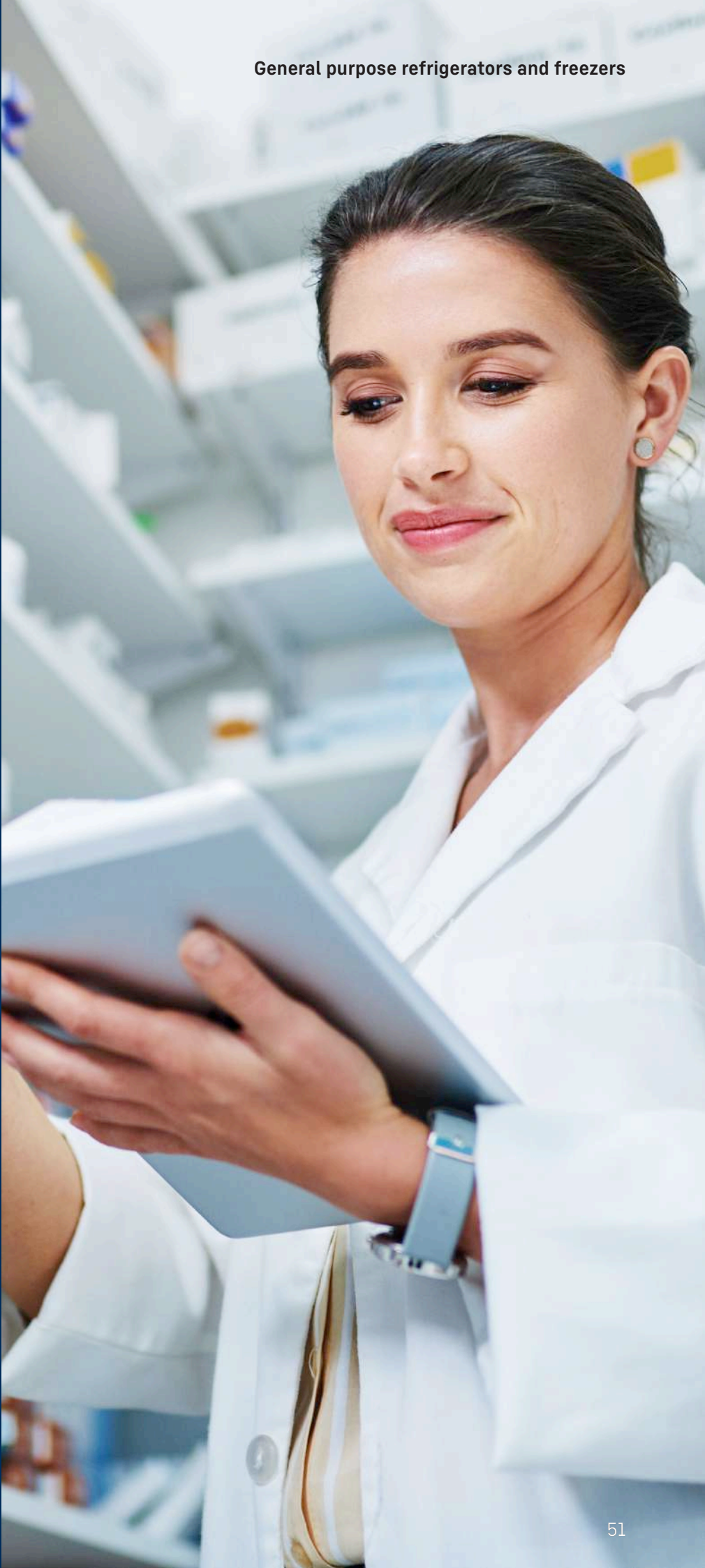
SRFvh 5511
Perfection

SRFvh 5501
Perfection

	SRFvh 5511	SRFvh 5501
Total capacity	20.8 / 19.3 cu. ft. (589 / 547 l)	19.7 / 18.3 cu. ft. (558 / 441 l)
Exterior dimensions in mm (w / d / h)	747 / 769 / 1793	747 / 769 / 1793
in inches (w/d/h)	29 7/16"	30 5/16"	70 5/8"	29 7/16" / 30 5/16" / 70 5/8"
Interior dimensions in mm (w / d / h)	600 / 536 / 1460	600 / 536 / 1460
in inches (w/d/h)	23 7/8	21 1/8	57 1/2	23 7/8"/21 1/8"/57 1/2"
Energy consumption kWh/day [1]	1.36	0.77
Ambient temperature range in °C (°F)	+10 °C to +35 °C (+50°F to +95°F)	+10 °C to +35 °C (+50°F to +95°F)
Heat output	475 kJ/h	246 kJ/h
Refrigerant	R 600a	R 600a
Sound power level	49 dB(A)	49 dB(A)
Voltage/ Frequency/ Connection rating	115 V / 60Hz / 2.0A	115 V / 60Hz / 2.0A
Cooling system / Defrost	Forced-air / automatic	Forced-air / automatic
Temperature range in °C (°F)	*+3 °C to +16 °C (+38°F to +60°F)	*+3 °C to +16 °C (+38°F to +60°F)
Gradient [2] / max. fluctuation [3]	3.3 °C / 2.0 °C	2.2 °C / 1.7 °C
External cabinet finish	Steel / white	Steel / white
Door material	Glass	Steel
Internal liner material	Commercial grade moulded polystyrol	Commercial grade moulded polystyrol
Type of control	2.4" touch & swipe color display	2.4" touch & swipe color display
Power failure alarm	Immediately upon power failure for at least 12 hrs	Immediately upon power failure for at least 12 hrs
Fault: warning signal	Visual and audible	Visual and audible
Volt-free alarm contact	Yes	Yes
Connectivity type	SmartModule	SmartModule
Connectivity solution	Integrated, removable	Integrated, removable
Interface	WiFi/LAN	WiFi/LAN
Data logger	Integrated, USB interface	Integrated, USB interface
Interior light	Vertical LED light strip recessed in left wall with separate switch	LED lighting column, left
Adjustable shelves / Shelf material	5 / wire shelves plastic-coated	5 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	606 / 536	606 / 536
Shelf loading weight	60 kg (132.3 lbs) / 300 kg (661.4 lbs)	60 kg (132.3 lbs) / 300 kg (661.4 lbs)
Castors	Castors with brake at the front, fixed castors at the rear	Castors with brake at the front, fixed castors at the rear
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 10 mm	1 x Ø 10 mm
DIN 13277	Yes	Yes
Type of lock / Door hinges	Mechanical / right, reversible on site	Mechanical / right, reversible on site
Gross / net weight (lbs.)	111 (244.7) / 98 (216)	98 (216) /89 (196)
Accessories		
Shelf, plastic-coated	7113310	7113310
Base grid	7113314	7113314
Glass shelf	9291929	9291929
Scanner rail	7435210	7435210
Castors Ø 80 mm (3 in)	9086926	9086926
Adjustable feet, 90 – 120 mm (3.5- 4.75 in)	9080022	9080022
Adjustable feet, 150 – 180 mm (5.9 - 7 in)	9086924	9086924
Side-by-Side kit	9017739	9017739

[1] Measured at +25°C ambient temperature and +5°C set temperature for refrigerators and -20°C for freezers.

SCFvh 4032
Perfection

Total capacity	Refrigerator	9.9 cu. ft, (280 l))
Total capacity	Freezer	3.9 cu. ft. (110.43 l)
Exterior dimensions in mm (w / d / h)		597 / 654 / 2044
in inches (w/d/h)		29 5/8" / 31 3/16" / 80 1/2"
Interior dimensions in mm (w / d / h)		460 / 423 / 1037
in inches (w/d/h)		18 1/8" / 16 7/8" / 40 13/16"
Energy consumption kWh/day [1]		1.25
Ambient temperature range in °C (°F)		+10°C to +35°C (61°F to 95°F)
Heat output / Refrigerant		380 kJ/h / R 600a
Sound power level		49 dB(A)
Frecuency / Voltage		50 Hz/115V~
Connection rating / Rated consumption watts		2.0 A / 160 W
Cooling system	Refrigerator / Freezer	Forced-air / forced-air
Defrost	Refrigerator / Freezer	Automatic / automatic
Temperature range [2]	Refrigerator / Freezer	+3 °C to +16 °C / −9 °C to −30 °C
Gradient [3]	Refrigerator / Freezer	3.3 °C / 4.3 °C
Max. fluctuation [4]	Refrigerator / Freezer	2.9 °C / 7.6 °C
External cabinet finish		Steel / white
Door material / color		Glass door / steel / white
Internal liner material		Commercial grade moulded polystyrene
Type of control		2.4" touch & swipe colour display
Power failure alarm		Immediately upon power failure for at least 12 hrs
Fault: warning signal / Volt-free alarm contact		Visual and audible / yes
SmartMonitoring compatible / Connectivity type		Yes / SmartModule
Connectivity solution / Interface		Integrated, removable / WiFi/LAN
Data Logger		Integrated, USB interface
Interior Light	Refrigerator / Freezer comp.	Vertical LED light strip recessed in left wall with separate switch / LED
Adjustable shelves	Freezer comp.	4
Shelf material	Refrigerator / Freezer comp.	Wire shelves plastic-coated / glass
Usable shelf area in mm (w/d)	Freezer comp.	460 / 423
Shelf loading	Refrigerator / Freezer	45 kg (40 kg)
Maximum total load		345 kg (761 lbs)
Drawers	Freezer comp.	3
Handle		Antimicrobial handle with opening mechanism
Access ports / DIN 13277		2 x Ø 10 mm / yes
Type of lock / Door hinges		Mechanical / right, reversible on site
Gross / net weight (lbs.)		103 / 97 (277.8 / 257.9)

Accessories	
Pharmacy drawer	9032867
White grid shelf / White base grid	7113308 / 7113272
Perforated metal shelf, white	9029022
Scanner rail	7435208
Additional lock barrels	On request
Side-by-side set in white	9027388

1 Measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers.
2 The temperature range is valid at a maximum ambient temperature of +30°C
3 Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements, increased by their expanded uncertainty, throughout the duration.
4 Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.

Undercounters

These high-quality, compact undercounter appliances show how reliable and professional a partner Liebherr is. They are the result of intensive engagement with the requirements of the industry, and impress with their extraordinary performance, quality and long service life. Their highlights include precise temperature stability, efficient safety features and incredibly low energy consumption.

Depending on the appliance, the new undercounter appliances meet relevant safety requirements in line with DIN 13277, IEC 61010-2-011. This makes them great for complying with standards to store temperature-sensitive substances, flammable material and medications. The high temperature consistency of the appliances is another central feature that minimizes the impact of outside factors on the quality of the stored substances and provides optimum safety.

At the same time, the new generation of appliances from Liebherr offers incredibly impressive energy efficiency: from the compressor to the seal, to the lighting and electronics, every component has been optimized to reduce the energy consumption of the appliance down to a minimum.

The advantages
at a glance

Alarm relay
The alarm relay makes it possible to connect the appliance to the building's control technology. In the event of an alarm, the corresponding control center is informed immediately.

With the digital monitoring solution, the storage temperature is controlled and documented conveniently and securely via the subsequently set up interface.

Easy-to-clean interior
The plastic inner liner is made of polystyrene: a fully recyclable, robust, and odorless plastic. Since the interior is seamlessly manufactured from one piece, there are no hidden dirt traps, and the large corners can be cleaned quickly and easily.
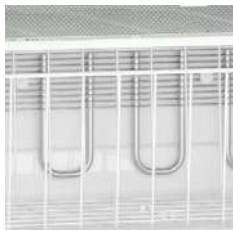
Access port
The laboratory appliances have an access port in the appliance ceiling which allows a temperature sensor to be positioned in the interior.

Column light (Perfection)
Ceiling light (Performance) Liebherr's LED light delivers exceptional performance by evenly illuminating the interior, ensuring optimal visibility across all shelves. Complementing this is the column LED lighting, engineered for perfection, which enhances both functionality and aesthetic appeal.

Touch & Swipe
Control of your Liebherr at your fingertips: thanks to the Touch & Swipe display, you can operate your refrigerator intuitively and with ease.

Antimicrobial ergonomic handle
Antimicrobial handle with opening mechanism. Thanks to the innovative mechanism of the handle, appliances are particularly easy to open. Moreover, the material contains special antimicrobial substances that reduce bacteria by up to 99.99%*. This eliminates the need for regular and effortful disinfection measures.

+2 safety device
If the temperature in the appliance falls below +2°C due to a malfunction, the +2 C SafetyDevice takes over control, keeps the temperature stable, and activates an alarm. This ensures that sensitive substances are protected from freezing.

Self-closing door
Once the door has been opened to more than 90°, the appliance door remains open, which makes loading, unloading and cleaning easier. If the door is opened to less than 60°, it closes automatically to prevent it from accidentally being left open.

SRTvg 1511
Performance Series

Door seals are replaceable for easy and fast maintenance.

	SRTvh 1501 Perfection	SRTvg 1511 Perfomance
Total capacity	4.7 / 4.0 cu. ft. (133 / 113 l)	4.8 / 4.0 cu. ft. (135 / 113 l)
Exterior dimensions in mm (w / d / h)	597 / 605 / 819	597 / 605 / 819
in inches (w / d / h)	23 1/2" / 23 7/8" / 32 1/4"	23 1/2" / 23 7/8" / 32 1/4"
Interior dimensions in mm (w / d / h)	450 / 440 / 620	450 / 460 / 620
in inches (w / d / h)	17 3/4" / 18 1/8" / 34 3/8"	17 3/4" / 18 1/8" / 34 3/8"
Energy Consumption (kWh / day) [1]	0.34	0.51
Ambient temperature range in °C (°F)	+10°C to +35°C (+50°F to +95°F)	+10°C to +35°C (+50°F to +95°F)
Heat output	198 kJ/h	202 kJ/h
Refrigerant	R 600a	R 600a
Sound power level	47 dB(A)	49 dB(A)
Voltage / Frequency	115V / 60 Hz	115V / 60 Hz
Connection rating/Rated consumption watss	2.0 A / 100 W	2.0 A / 100 W
Cooling system / Defrost	Forced-air / automatic	Forced-air / automatic
Temperature range in °C (°F)	+3 °C to +16 °C	+3 °C to +16 °C
Gradient [2] / max. fluctuation [3]	3.7 °C / 3.4 °C	3.7 °C / 2.9 °C
External cabinet finish	Steel / white	Steel / white
Door material / Color	Steel / white	Insulated glass door with plastic frame / white
Internal liner material	Commercial grade moulded polystyrene	Commercial grade moulded polystyrene
Type of control	Touch & Swipe	Monochrome display, touch buttons
Power failure alarm	Upon mains power return	Upon mains power return
Fault: warning signal	Visual and audible	Visual and audible
Volt-free alarm contact	Yes	Yes
Connectivity Solution/ Interface	Yes / SmartModule	Yes / SmartModule
Connectivity solution	Retrofittable	Retrofittable
Interface	WiFi/LAN (optional)	WiFi/LAN (optional)
Interior light	LED lighting column, left	LED ceiling light strip with separate switch
Adjustable shelves / Shelf material	3 / wire shelves plastic-coated	3 / wire shelves plastic-coated
Usable shelf area in mm (w / d)	450 x 425 mm (17 3/4" x 16 3/4")	450 x 425 mm (17 3/4" x 16 3/4")
Shelf loading / Max. total load kg. (lbs)	45 kg (99 lbs)	45 kg (99 lbs)
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 12 mm	1 x Ø 12 mm
Type of lock	Mechanical	Mechanical
Door hinges	Right, reversible on site	Right, reversible on site
Gross / net weight kg. (lbs.)	37 / 33 kg (81.5 / 72.75 lbs)	39 / 35 kg (86 / 77 lbs)
Accessories		
White grid shelf	7113408	7113408
Castors/ adjustable legs	9904819 / 9906105	9904819 / 9906105
Scanner railf	7401607	7401607
Additional lock barrels	On request	On request
Stacking kit, white	9876098	9876098
Side-by-side set, in whitel	9031901	9031901
SmartModule	6145269	6145269

	SRTvg 1501 Perfection	SFTsg 1501 Perfection
Total capacity	4.7 / 4.0 cu. ft. (133 / 113 l)	3.6 / 3.5 cu. ft. (101 / 99 l)
Exterior dimensions in mm (w / d / h)	597 / 605 / 819	597 / 605 / 819
in inches (w / d / h)	23 1/2" / 23 7/8" / 32 1/4"	23 1/2" / 23 7/8" / 32 1/4"
Interior dimensions in mm (w / d / h)	450 / 440 / 620	380 / 410 / 610
in inches (w / d / h)	17 3/4" / 18 1/8" / 34 3/8"	17 3/4" / 18 1/8" / 34 3/8"
Energy consumption (kWh/ day) [1]	0.34	0.38
Ambient temperature range in °C (°F)	+10°C to +35°C (+50°F to +95°F)	+10°C to +35°C (+50°F to +95°F)
Heat output	198 kJ/h	294 kJ/h
Refrigerant	R 600a	R 600a
Sound power level	47 dB(A)	40 dB(A)
Voltage/ Frequency	115V / 60 Hz	115V / 60 Hz
Connection rating/Rated consumption watss	2.0 A / 100 W	2.0 A / 100 W
Cooling system / Defrost	Forced-air / automatic	Static / manual
Temperature range in °C (°F)	+3 °C to +16 °C	–9 °C to –30 °C
Gradient [2] / max. fluctuation [3]	3.7°C / 3.4 °C	6.5 °C / 2.5 °C
External cabinet finish	Steel / white	Steel / white
Door material / Color	Steel / white	Steel / white
Internal liner material	Commercial grade moulded polystyrene	Commercial grade moulded polystyrene
Type of control	Monochrome display, touch buttons	Monochrome display, touch buttons
Power failure alarm	Upon mains power return	Upon mains power return
Fault: warning signal	Visual and audible	Visual and audible
Volt-free alarm contact	Yes	Yes
Connectivity Solution/ Interface	Yes / SmartModule	Yes / SmartModule
Connectivity solution	Retrofittable	Retrofittable
Interface	WiFi/LAN (optional)	WiFi/LAN (optional)
Interior light	-	-
Adjustable shelves / Shelf material	3 / wire shelves plastic-coated	Wire shelves plastic-coated
Usable shelf area in mm (w / d)	450 x 425 mm (17 3/4" x 16 3/4")	380 / 338
Shelf loading / Max. total load kg. (lbs)	45 kg (99 lbs)	45 kg (99 lbs)
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism
Access ports	1 x Ø 12 mm	1 x Ø 10 mm
Type of lock	Mechanical	Mechanical
Door hinges	Right, reversible on site	Right, reversible on site
Gross / net weight kg. (lbs.)	39 / 35 kg (86 / 77 lbs)	37 / 34 kg (81 / 75 lbs)
Accessories		
White grid shelf	7113408	7113408
Castors/ adjustable legs	9904819 / 9906105	9904819 / 9906105
Scanner railf	7401607	7401607
Additional lock barrels	On request	On request
Stacking kit, white	9876098	9876098
Side-by-side set, in whitel	9031901	9031901
SmartModule	6145269	6145269

1 Measured at +25°C ambient temperature and +5°C set temperature for fridges and -20°C for freezers.
2 Gradient as defined in EN 60068-3: the difference between the warmest and coldest average measurements,
    increased by their expanded uncertainty, throughout the duration.
3 Max. fluctuation as per EN 60068-3: greatest fluctuation value determined throughout the duration of measurements.

Flammable material storage refrigerators and freezers

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When storing flammable solvents or other volatile chemicals, it is crucial to use the appropriate refrigerator or freezer to minimize serious safety risks. Liebherr refrigerators and freezers for flammable material storage are specifically engineered to safely house volatile substances in laboratory, industrial, and healthcare environments. These units are designed to prevent ignition of flammable vapors, helping to reduce the risk of fire or explosion.

All electrical components—including thermostats, lights, and compressors—are either sealed or located outside the storage compartment to eliminate internal spark hazards. The interiors are completely free of ignition sources, making them suitable for storing flammable substances in sealed containers. Liebherr units comply with applicable safety standards, including NFPA 45 and NFPA 99

The advantages at a glance

+2 °C SafetyDevice

If the temperature falls below +2 °C due to a malfunction, the SafetyDevice takes control, stabilizing the temperature, activating the alarm and protecting the contents from freezing.

Power failure info

The power failure info function reports when the appliance was temporarily without power and what the maximum temperature was during this time. This allows you to better assess the potential loss of quality.

Min./max. temperature log

The min./max. temperature log stores the minimum and maximum interior temperatures and shows on the display whether the storage temperatures were within the tolerance limits.

Easy-to-clean interior

The inner liner made of fully recyclable, robust and odorless polystyrene is manufactured in one piece without joints. This makes it quick and easy to clean the large, rounded corners.

Feedthrough for external sensors

An integrated opening allows a separate sensor to be connected for additional temperature monitoring without having to drill holes or break the door seal.

Mechanical lock

Liebherr professional appliances are equipped with a mechanical lock and two keys. This ensures that unauthorized persons cannot access your valuable and sensitive stored goods.

Antimicrobial handle with opening mechanism

The smooth-turning handle contains special antimicrobial substances that make it particularly hygienic. Regular and time-consuming disinfection is not necessary.

Replaceable door seal

Save time and money: the insertable Liebherr door seals are easy to change. If a seal is damaged, you can replace it yourself without any tools.

Self-closing door < 90°

To make loading, unloading and cleaning easier, the appliance door stays open if opened by more than 90°. If the opening angle is less than 90°, it closes automatically for safety.

SRFfg 5501 Performance

The equipment details shown depend on the model; the description for the respective model applies.

Quality right down to the smallest detail

Compliance with applicable standards set by NFPA 45 and NFPA 99
The interior of Liebherr refrigerators and freezers designed for storing flammable materials is free from ignition sources and suitable for use with flammable substances in sealed containers. These units meet the requirements for Class I, Division 2, Gas Group B, and comply with applicable standards set by NFPA 45 and NFPA 99.

Super-efficient
Rising electricity prices are increasing the demands on the efficiency of refrigerators and freezers. From the compressor to the seal, to the lighting and electronics, Liebherr fully utilises the savings potential of every component. The result is impressive – especially in terms of total operating costs.

Retrofittable WiFi/LAN
This is how easy it is to network a Liebherr: With the retrofittable WiFi and LAN interface, appliances can be effortlessly connected to external systems, such as SmartMonitoring from Liebherr. With the digital monitoring solution, the storage temperature is controlled and documented conveniently and securely via the subsequently set up interface.

±3 °C temperature stability
Temperature fluctuations must be minimal to ensure that the quality of sensitive substances is preserved. Liebherr Laboratory refrigerators have an impressive maximum deviation of just ±3 °C from the set temperature. This not only maintains the storage climate, but also the value of your stored goods.

IEC 61010-2-011 standard
Liebherr refrigerators and fraeezers specially developed for storing temperature-sensitive products are CE safety-compliant. This ensures that all mechanical and electrical requirements for injury-free operation are met – and that you and your team are always safe.

Mechanical lock
All professional Liebherr appliances are equipped with a mechanical lock with two keys for the storage of temperature-sensitive products. This way you can be sure that no unauthorized hands can access your stored goods.

Robust glass shelves
For more convenience in the lab, the robust glass shelves of the refrigerators and freezers with spark-proof interior are easy to clean and simple to remove when the door is opened by around 90°.

The equipment details shown depend on the model; the description for the respective model applies.

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Flammable material storage refrigerators and freezers

	SRFfg 5501 Performance	SRFfg 3501 Performance	SRTfg 1501 Performance	SFTfg 1501 Performance
Gross / net capacity	19.7 / 18.3 cu. ft. (558 l)	12.1 / 11.1 cu. ft. (344 / 315 l)	4.7 / 4.0 cu. ft. (133 / 113 l)	3.6 / 3.5 cu. ft. (101 / 99 l)
Exterior dimensions in mm (w / d / h)	558 / 518 (19.7 / 18.3)	597 / 654 / 1684	597 / 605 / 819	597 / 605 / 819
in inches (w / d / h)	29 7/16" / 30 5/16" / 66 5/16"	23 9/16" / 25 3/4" / 66 5/16"	23 1/2" / 23 7/8" / 32 1/4""	23 1/2" / 23 7 /8" / 32 1/4"
Interior dimensions in mm (w / d / h)	600 / 537 / 1460	460 / 537 / 1460	380 / 410 / 610	380 / 410 / 610
in inches (w / d / h)	23 9/16" / 25 3/4" / 66 5/16"	18 1/8"/16 11/16"/57 1/2"	23 1/2" / 23 7/8" / 32 1/4"	15" / 16 1/8" / 32 1/4"
Energy consumption (kWh/ day) [1]	0.73	0.63	0.31	0.38
Ambient temperature range in °C (°F)	*+10 °C to +35 °C (+50 °F to +95 °F)	*+10 °C to +35 °C (+50 °F to +95 °F)	*+10 °C to +35 °C (+50 °F to +95 °F)	*+10 °C to +35 °C (+50 °F to +95 °F)
Heat output	408 kJ/h	388 kJ/h	388 kJ/h	388 kJ/h
Refrigerant	R 600a	R 600a	R 600a	R 600a
Sound power level	49 dB(A)	48 dB(A)	48 dB(A)	40 dB(A)
Voltage / Connection rating	115 V / 60Hz / 2.0A	115 V / 60Hz / 2.0A	115 V / 60Hz / 2.0A	115 V / 60hZ / 2.0A
Cooling system / Defrost	Forced-air / automatic	Forced-air / automatic	Forced-air / automatic	SmartFrost / manual
Temperature range in °C (°F)	*+3°C to +16°C (+38 °F to +60 °F)	*+3°C to +16°C (+38 °F to +60 °F)	*+3°C to +16°C (+38 °F to +60 °F)	-9°C to -30°C (+15.8°F to -22°F)
Gradient [2] / max. fluctuation [3]	3.7 °C / 3.0 °C	3.6 °C / 3.1 °C	3.6 °C / 3.1 °C	3.6 °C / 3.1 °C
External cabinet finish	Steel / white	Steel / white	Steel / white	Steel / white
Door material	Steel	Steel	Steel	Steel / white
Internal liner material	Commercial grade moulded polystyrol	Commercial grade moulded polystyrol	Commercial grade moulded polystyrol	Commercial grade moulded polystyrene
Type of control	Monochrome display, touch buttons	Monochrome display, touch buttons	Monochrome display, touch buttons	Monochrome display. touch buttons
Power failure alarm	When mains power return	When mains power return	When mains power return	When main power returns
Fault: warning signal	visual and audible	Visual and audible	Visual and audible	Visual and audible
Volt-free alarm contact	Yes	Yes	Yes	Yes
Connectivity type	SmartModule	SmartModule	SmartModule	SmartModule
Connectivity solution	Retrofittable	Retrofittable	Retrofittable	Retrofittable
Interface	WiFi/LAN (optional)	WiFi/LAN (optional)	WiFi/LAN (optional)	Wifi/ LAN (optional)
Adjustable shelves	5	4	4	3
Shelf material	glass	glass	glass	glass
Usable shelf area in mm (w / d)	600 / 537	460 / 537	460 / 537	380 / 347
Shelf loading / device	40 kg (88.2 lbs)	40 kg (88.2 lbs)	40 kg (88.2 lbs)	40 kg (88.2 lbs)
Handle	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening mechanism	Antimicrobial handle with opening
Access ports	1 x Ø 10 mm	1 x Ø 10 mm	1 x Ø 10 mm	1 x Ø 10 mm
NFPA 45 & NFPA 99	Yes	Yes	Yes	Yes
Type of lock	Mechanical	Mechanical	Mechanical	Mechanical
Door hinges	Right, reversible on site	Right, reversible on site	Right, reversible on site	Right, reversible on site
Gross / net weight kg. (lbs)	94 (207.2) / 87 (191.8)	70 (154.3) /65 (143.3)	70 (154.3) /65 (143.3)	38 /35 kg (84 / 77 lbs)
Accessories				
Glass shelf	9291929	9293493	9293493	9293493
Scanner rail	7435210	7435208	7435208	7435208
Castors Ø 80 mm	9086926	9086926	9086926	9086926
Castors Ø 100 mm	9080023	9080023	9080023	9080023
Adjustable feet, 90 – 120 mm	9080022	9080022	9080022	9080022
Adjustable feet, 150 – 180 mm	9086924	9086924	9086924	9086924
Additional lock barrels (up to 5)	on request	on request	on request	on request
Side-by-Side set	on request	on request	on request	on request

[1] Measured at +25°C ambient temperature and +5°C set temperature for refrigerators and -20°C for freezers.

Accessories

Glass shelf
The glass shelves in Liebherr scientific units are made of high-strength, easy-to-clean safety glass designed for optimal visibility and durability. They provide stable, adjustable storage that supports the safe organization of sensitive materials in laboratory and medical environments.

Scanner rail
The scanner rails in Liebherr scientific units ensure smooth and secure shelf adjustment, allowing for flexible interior configuration to accommodate varying storage needs. Designed for durability and ease of use, they support efficient access and repositioning of shelves without compromising stability.

Castors
The castors on Liebherr scientific units provide smooth mobility, allowing for easy repositioning and cleaning access in laboratory and medical settings. Built for strength and stability, they ensure the unit remains securely in place when stationary.

Adjustable feet
The adjustable feet (115–175 mm / 4.5–6.9 in) on Liebherr scientific units allow for precise leveling, ensuring optimal stability on uneven surfaces. This enhances the unit's performance and safety by maintaining proper alignment and reducing vibration.

Foot-pedal door opener
The optional foot-pedal opener is useful when you don't have a hand free.

Wire shelves
The Liebherr wire shelves for laboratory products are designed for optimal air circulation, ensuring consistent temperature distribution throughout the unit. Their durable, easy-to-clean construction supports safe and organized storage of sensitive samples and materials.

Stacking kit
The Liebherr stacking kit for laboratory products provides a secure and space-efficient solution for vertically combining two compatible units. Designed for stability and safety, it ensures optimal performance while maximizing valuable floor space in lab environments

Side by Side Kit
The Side-by-Side Kit allows two Liebherr laboratory units to be securely positioned and operated next to each other, ensuring stability and alignment. This setup maximizes storage capacity while maintaining easy access and optimal performance.