LABEX® 468 ULTIMATE

Explosion-proof interior - Zone 2

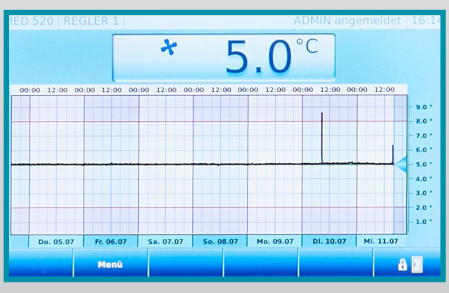
Equipment

- 6 shelves
- Automatic defrosting
- Forced-air cooling
- Comfortable access
- Potential-free contact
- Antifreeze
- Removable condensation container
- Visual and audible alarm signal even in the event of a power failure
- Minimum/maximum temperature memory

MADE IN GERMANY

ULTIMATE-Features

- Touch display, capacitive, elegant glass design
- Graphic display of the temperature curve with logbook function
- Access control via password entry or RFID possible
- PC-KIT-NET for temperature documentation and monitoring via LAN

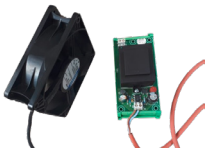


LABEX®-Devices

Our LABEX® models are the safest explosion-proof devices on the market that offer maximum temperature stability.

INSTRINSIC SAFETY

Protected probes
The probes are protected via safety barriers



Explosion-proof fan
energy limiting power supply

CONSTRUCTIVE SAFETY

Earthing concept
The user is grounded as soon as the door handle is touched. Static charge is discharged into the housing

No spark formation
caused by moving parts (shelves or conductive drawers)

Explosion protection

Our promise - your safety!

KIRSCH was the first company in the laboratory cooling sector to adapt to the new ATEX product directive 2014/34/EU.

The interior of the devices is tested for absence of ignition sources by TÜV SÜD in conformity with Directive ATEX 2014/34/EU:

- All of the electrical equipment and components used in the interior (fans, temperature sensors, etc.) are specifically designed for use in zone 1* and zone 2
- We also guarantee the maximum temperature stability in explosion-proof interiors
- Intrinsically safe supply to the temperature sensors in the interior
- Explosion-proof fan
- Special earthing concept for discharging electrical potential
- Plastic parts in the interior have an antistatic design

(depending on the model)

*LABEX 465

Liability according to ATEX operator- and product guidelines

According to the ATEX operating directive, the plant operator is responsible for the correct selection of the equipment. For the determination of the suitable EX zone (e.g Zone 1, Zone 2), following explosion hazards, among other things, have to be taken into consideration: the explosiveness of the stored substances and the frequency of occurrence of an explosive atmosphere.

We will gladly assist you in selecting the correct explosion protected device and provide you with the technical report of the TÜV-SÜD. You will find the declaration of conformity on our website: kirsch-medical.com/certificates/explosion-proofness.

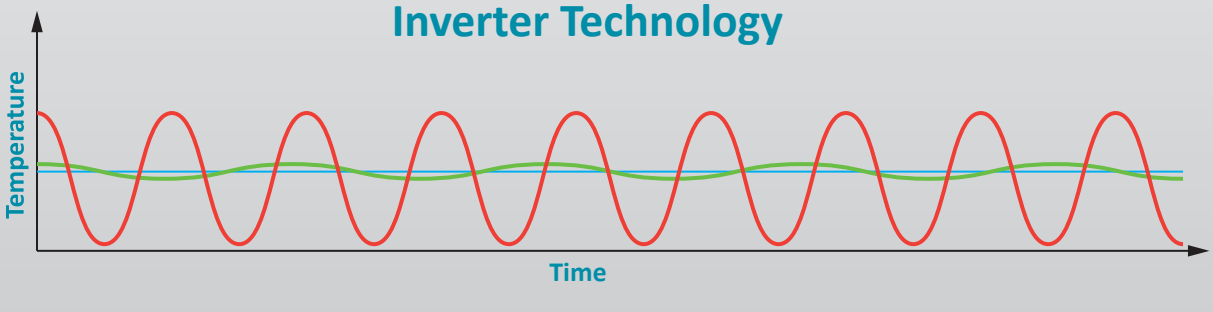
Compressor with inverter technology

- Environmentally friendly natural refrigerant R600a. Very low GWP value = 3 (Global Warming Potential)
- Reduction in power consumption by 22 % compared to the previous model (power consumption = 0.81 kWh/24 h)
- Extended service life due to demand-orientated power adjustment
- Frequency: 50/60 Hz

If you need further support or have any questions, please contact us.

info@kirsch-medical.de
+49 (0)781 - 9227 0

Inverter Technology



- **PRO-ACTIVE- Control:** Permanent, proactive monitoring of the performance data and alerts in the case of deviations. World´s most accurate temperature control in refrigerated areas thanks to two standard PT-1000 sensors.
- **Touch-Display,** elegant glass design, capacitive.
- **Access control** with protocol.
- **Graphical display** of the temperature curve and min/max temperature.
- **External housing** made from galvanised sheet steel (rust-proof), with white, anti-scratch powder coating. Length of the power cable: approx. 2.8 m.
- **Adjustable feet** to compensate for uneven floors.
- **Interior** made from smooth aluminium with colourless protective coating. Shelf support slots at 15 mm intervals.
- **Interior equipment** can be customised (surcharge may apply). See optional equipment.
- **Extra-thick energy saving insulation**, made from high-quality, compression-moulded and environmentally friendly material.
- **Self-closing door** with easy-to-replace plastic magnetic seal frame, lockable.
- **Door hinge** on the right-hand side (by default, see illustration), or the left-hand side, can be retrofitted.
- **Forced-air cooling** switches off automatically when you open the door, ensures a uniform temperature and minimises temperature deviations.
- **Automatic defrosting** with time limit and temperature monitoring.
- **Removable condensation container.**
- **Electronic temperature control**, tamper-proof by RFID/password with digital display and temperature memory.
- **Power failure alarm** (visual and audible alarm), the monitoring unit remains in operation for approx. 30 hours on battery power.
- **Warning functions** with visual and audible alarm signal in the case of temperature deviations or other malfunctions. Door open alarm after 60 seconds.
- **Alarms** can be forwarded using a potential-free contact (e.g., to a mobile phone with optional KIRSCH EVOLUTION CLOUD module or to a control centre).
- **Digital data documentation** readable via network (PC-KIT-NET) or USB interface and software KIRSCH-Datanet.
- **Antifreeze** against sub-zero temperatures.
- **ventilation-enforced** refrigerating machine, hermetically sealed, energy saving, low noise, easy to service.

Specification

Capacity	460 litres
Temperature setting	approx. 0 °C to +15 °C
Voltage	220 - 240 V, 50/60 Hz
Power consumption	80 watts
Normal consumption	0.81 kWh / 24 h
Admissible ambient temperature	from +10 °C to +38 °C
Heat emission (max.)	356 watts
Exterior dimensions (including door handle and distance from wall)	w x d x h = 74 x 77.5 x 189 cm
Usable dimensions	w x d x h = 59 x 50 x 116 cm
Exterior dimensions with door open at 90°	w x d = 74 x 142 cm
Shelf/drawer size	w x d = 59 x 50 cm / 57.3 x 43 x 5.6 cm
Max. load drawer/shelf	24 kg / 40 kg
Weight (net/gross)	120 kg / 134 kg
Temperature deviation	+/-0.9 °C
Noise emission	52.7 dB(A)

Optional equipment

KIRSCH refrigerators and freezers offer numerous equipment options that can be retrofitted.

Glass door

Glass door allows visual inspection without opening.

Decorative frame

Made of stainless steel, allows to cover door with a decorative panel (thickness max. 2 mm).

Plastic-drawer on roller runners

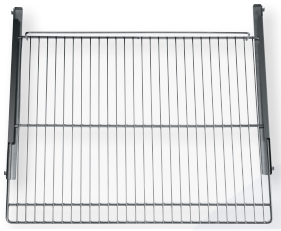
Up to twelve drawers are possible in total.

Additional length and cross dividers

for the optimum organisation of your refrigerated goods.

Door coupling

Connects the furniture door to the device door.



Additional Shelves

Wire shelves, robust with load capacity up to 40 and 50 kg.

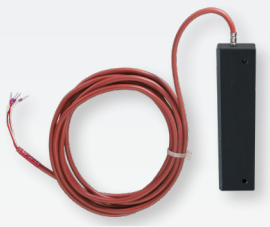
Access Port

Simple insertion of an external temperature sensor with integrated cable feed-through.

Castors

for easy handling and moving around.

Accessories for temperature documentation



External PT100/PT1000 with cold block

Additional temperature sensor for connection to existing/external monitoring system.

KIRSCH EVOLUTION CLOUD-Module

Maximum storage safety through optimal connectivity and real-time monitoring.

* For more information about our cloud, please contact us.

Member of the Hettich Group.

Philipp Kirsch GmbH
Im Lossenfeld 14
77731 Willstätt
Germany

Phone: +49 (0) 781 9227-0
Telefax: +49 (0) 781 9227-200
info@kirsch-medical.com

www.kirsch-medical.com

Photograph this QR code and learn about our entire product range.

D672/04.2026 Errors and changes excepted.