

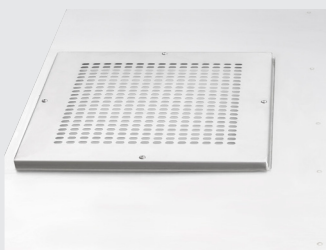
The new generation of KIRSCH cleanroom refrigerators

- **No on-site construction costs**
(for enclosure of the unit or an extraction system)
- **GMP Grade A verified**
- **HEPA filter** (removes 99.95% of particles)
- **Stainless-steel exterior housing**
- **Early warning system**
(when the HEPA filter needs replacing)
- **Closed condensate container**
- **Low particle count in the discharged cooling air**
(refrigeration unit ventilation)
- **Maximum resistance**
(to cleaning agents and disinfectants thanks to the stainless-steel interior and exterior housing)

We are happy to advise you!

Every cleanroom has its own specific requirements. Therefore, the purchase of a refrigerator intended for use in a cleanroom should always be preceded by comprehensive professional consultation. Contact us. We will be happy to provide you with a project-specific solution tailored to the requirements of your cleanroom.

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HEPA Filter
Enables operation in the cleanroom.



Stand-Alone Solution
No external extraction system required.

CLEANROOM 520 PRO-ACTIVE

Cleanroom refrigerator in accordance with
DIN 13277

Equipment

- HEPA filter
- Stainless-steel housing
- Stainless-steel interior
- 5 stainless-steel shelves
- Key switch
- Minimum/maximum temperature memory
- Visual and audible alarm signal, including in the event of a power failure
- Forced-air cooling
- Automatic rapid defrosting
- Freeze protection
- Mobile design with castors
- Potential-free contact
- Cable entry port

**MADE IN
GERMANY**



PRO-ACTIVE-Features

- Faster response time in the event of impending faults thanks to proactive alarms
- Data recording can be read out via USB interface using a USB stick and software
- Minimisation of temperature deviations in the interior
- Maximum storage safety thanks to harmonised components



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- **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.
- **Exterior housing made of stainless steel** with corrosion protection. Power cable length: 2.8 m.
- **Equipped with castors.**
- **Stainless-steel interior** with a clear protective coating. Support rails with 15 mm spacing allow flexible interior configuration.
- **Interior** can be customised (surcharge may apply). See optional equipment.
- **Cable entry port** for inserting an external sensor: 2 × 3.2 mm to 5.2 mm and 1 × 3.2 mm to 6.5 mm.
- **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 fast defrosting** thanks to time-limited and temperature-monitored reversal of the refrigerant circuit.
- **Condensate container** for manual emptying.
- **Control panel** protected against tampering by key switch. Membrane keyboard with digital temperature display and minimum/maximum temperature memory.
- **Warning functions** with visual and audible alarm signal in the case of temperature deviations or other malfunctions. Door open alarm after 60 seconds.
- **Power failure alarm** (visual and audible alarm), the monitoring unit remains in operation for approx. 30 hours on battery power.
- **Alarms** can be forwarded using a potential-free contact (e.g., to a mobile phone with optional KIRSCH EVOLUTION CLOUD or to a control centre).
- **Data documentation** can be read via USB interface with KIRSCH Datanet software.
- **Antifreeze** against sub-zero temperatures.
- **Ventilation-enforced refrigerating machine**, hermetically sealed, energy saving, low-noise, easy to service.

Specification

Capacity	500 litres
Temperature setting	approx. +2 °C to +15 °C
Voltage	220 – 240 V, 50/60 Hz
Power consumption	89 watts
Normal consumption	1.21 kWh/24 h
Admissible ambient temperature	from +10 °C to +27 °C
Heat emission (max.)	400 watts
Exterior dimensions (including door handle and distance from wall)	w x d x h = 77 x 76 x 199 cm
Usable dimensions	w x d x h = 59 x 45 x 115 cm
Exterior dimensions with door open at 90°	w x d = 77 x 144 cm
Shelf size	w x d = 59 x 45 cm
Max. load shelf	40 kg
Weight (net/gross)	149 kg/172 kg
Temperature deviation	+/-0.85 °C
Noise emission	49 dB(A)

Optional equipment

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



Glass door with lock

See clearly: avoid opening the door unnecessarily to inspect the contents.



Levelling feet

Levelling feet instead of castors.



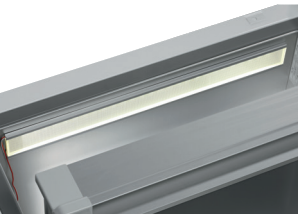
Plastic drawer on roller runners

Up to 12 drawers are possible in total.



Additional length and cross dividers

for the optimum organisation of your refrigerated goods.



Interior lighting side wall

Optional, optimised and energy-efficient illumination of the interior via LED light strip.



Additional Shelves

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



Vario Support

Storage shelf on castors.



Additional access port

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

Accessories for temperature documentation



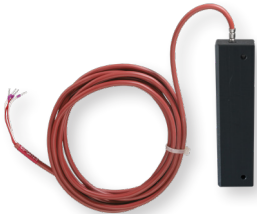
PC-KIT-NET

Automatic temperature documentation and monitoring via your network (LAN connection).



KIRSCH EVOLUTION CLOUD-Module

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



External PT100/PT1000 with cold block

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

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



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