

## MED-100



FOUNDED 1865  
MANUFACTURER OF REFRIGERATION  
TECHNOLOGY FOR THE HEALTH SECTOR  
**Philipp Kirsch GmbH**  
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[www.kirsch-medical.com](http://www.kirsch-medical.com)

3 drawers and 1 shelf

Minimum/maximum temperature memory

Forced-air cooling

Connection for forwarding alarms and for PC-supported temperature documentation

Standalone or undercounter installation

Antifreeze

Visual and audible alarm signal, even in the case of power failure

Key switch

Digital temperature display

Automatic defrosting

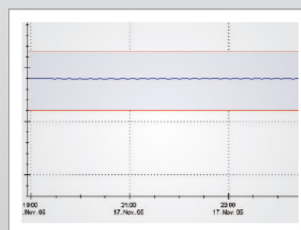
Condensate evaporation



See [www.kirsch-medical.com](http://www.kirsch-medical.com) for the installation drawing.



**Easy-to-clean ventilation slits**  
Large, smooth lamellas for easy cleaning of the ventilation slits.



**High temperature precision**  
even when built in thanks to forced-air cooling and a high-performance, ventilated refrigerating machine.



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# MED 100



according to DIN 58345

- **PRO-ACTIVE-Control:** Permanent, proactive monitoring of the performance data and alerts in the case of deviations – so that you can take countermeasures in good time before a fault threatens your chilled goods; world's most accurate temperature control in refrigerated areas thanks to two standard PT-1000 sensors
- **External housing** made from galvanised sheet steel (rustproof), with white, anti-scratch powder coating. Length of the plug cable: approx. 2.8 m.
- **Adjustable feet** positioned at the front to compensate uneven floors.
- **Interior** made from impact-resistant, white plastic with moulded-in shelves.
- **Interior consists** of three drawers with stops and a plastic-coated shelf. There is one adjustable length divider and six adjustable cross dividers per drawer. Storage surface per drawer = 0.13 m<sup>2</sup>.
- **Extra-thick 50-mm insulation**, made from high-quality, compression-moulded and environmentally friendly material. Energy saving.
- **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 minimizes temperature deviations.
- **Automatic defrosting** with time limit and temperature monitoring.
- **Condensate evaporation** in the refrigerating machine room.
- **Key switch** protected control panel against tampering. 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 and power failure. In the case of power failure, the monitoring unit remains in operation for approx. 30 hours on battery power. Door open alarm after 60 seconds.
- **Alarms** can be forwarded using the floating contact (e.g., to a mobile phone with optional GSM-Module 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. Inlet air and exhaust air flow through the ventilation slits at the front.
- **Low-noise compressor** reduces noise to 40 dB (corresponds to noise level I; sound perception: whisper).

## Specification

Capacity	95 litres
Temperature setting	approx. +2 °C to +20 °C
Voltage	220 – 240 V, 50 Hz
Power consumption	75 watts
Normal consumption	0.67 kWh/24 h
Admissible ambient temperature	from +10 °C to +38 °C
Heat emission (max.)	183 watts
Overall dimensions (including distance from wall)	w x d x h = 54 x 54 x 82 cm
Interior dimensions	w x d x h = 44 x 43 x 47 cm (usable depth 5 cm, usable width 2 cm less)
Exterior dimensions with door open at 90°	w x d = 54 x 105.5 cm
Shelf size	43.8 x 33 cm
Drawer inner dimensions	w x d x h = 40 x 32 x 5.6 cm
Max. load: drawer/shelf	13 kg/25 kg
Weight	Net weight 46 kg, gross weight 52 kg

(measured values based on Eccol R600a)

## Optional equipment

- **Glass door** with lock.
- **Tabletop** (exterior dimensions: 85 cm in height).
- **Decorative door frame** for attaching the customer's decorative plates (exterior dimensions: 55 cm in width).
- **Door fitting.**
- **Equipped with castors.**
- **Additional length and cross dividers.**
- **Shelf instead of drawer.**
- **Condensate container** can be emptied manually if no condensation is required (e.g., in an operating theatre).
- **GSM-Module** for alarm text message transmission (e.g., to a mobile phone).
- **Temperature documentation:**
  - PC-KIT-NET (network capable version)
  - 4-pin PT 100 or PT 1000 temperature sensor, class 1/3 B, including built-in reference body (measurement bottle or refrigerating block).
  - Mechanical pen-recording thermometer with two waxed paper strips.
- **60 Hz cooling machine** upon request