

# Blood Bank Refrigerator BL-520

according to DIN 58371

Re-circulating air-cooling • automatic defrosting • melt water evaporation • digital temperature display • minimum/maximum temperature memory • potential free contact • micro processor controlled temperature and defrost mode • safety control device prevents freezing • optical and acoustic warning device incl. power failure alarm



The background shows the built-in disc-type pen-recording thermometer against surcharge

Capacity	500 Litres
Temperature setting	+4° C
Voltage	220 - 240 V, 50/60 Hz
Power draft	316 Watt
Average consumption	2,5 kWh/24 h
Overall dimensions including door handle	w x d x h = 77 x 76 x 193 - 196 cm
Interior dimensions	w x d x h = 60 x 57 x 140 cm
Overall dimensions with door open at 90°	w x d = 77 x 144 cm
Weights	net 125 kg, gross 155 kg

**Outer panels** of galvanised sheet steel (protection against sub surface rusting), white, powder coated. Adjustable feet in case of uneven floor.

**Interior** of smooth aluminium with clear protective coating, hygienic, easy to clean, 5 drawers on telescopic runners. Drawer inner dimensions: w x d = 56 x 37 cm, stacking height 23 cm. Capacity per drawer app. 30 blood bags, in total app. 150 blood bags each 500 ml size.

**Insulation**, 70 mm, of high grade, pressure foamed and pro-environmental material. Extra thick for energy saving effect.

**Self-closing lockable door** with plastic magnetic sealing, easy to change. Door does not project at side when opened.

**Door hinge** changeable (also subsequently), standard version with hinges on right (as illustrated), deliverable also with door hinge on left at no extra charge.

**Interior light** vertical, illuminating complete interior, with door contact switch.

**Recirculating** air-cooling with cross flow blower which keeps the temperature constant and reduces the natural temperature stratification. The cross flow blower cuts out automatically when the door is opened, for a minimum loss of cold air.

**Defrosting** automatically.

**Melt water evaporation** in heated stainless steel tray.

**Key switch protected control panel** with digital temperature display, minimum/maximum temperature memory, optical and acoustic warning signal in case of temperature deviation with potential free contact for remote monitoring. Standard equipped with interface RS485.

**Safety control device**, prevents temperatures lower than +2°C in the refrigerator.

**Temperature control** via temperature sensor comparable with a flask filled with 250 ml liquid.

**Temperature gear** by electronic room thermostat. The temperature is kept automatically independent of changes in ambient temperature provided, the ambient temperature is approx. 3°C above the set interior temperature.

**Compressor**, dynamic ventilated, hermetically enclosed, with vibration-proof mountings, energy saving, low noise, service friendly, for 220-240 V AC, 50/60 Hz mains. Other voltages on request. Length of mains cable approx. 3 m.

#### Equipment at extra charge:

- Drawer insert (shelf) with 3 fixed longitudinal dividers
- Drawer made of stainless steel instead of plastic
- Drawer length divider for stainless steel drawer
- Water tray for manual emptying (for setting up in e.g. operating theatres)
- Castors
- GSM-Module

#### Appliances for temp. documentation:

- PC-Kit (USB-Version)  
PC-Kit-Net (Network capable version), incl. documentation software
- Pen-recording thermometer for placing loosely inside appliance with waxed paper strips
- Disc-type pen recording thermometer with 7-day measuring cycle with 100 recording discs and 5 felt tip pens
- PT 100 or PT 1000 sensor for temperature recording and monitoring via EDP system