

Blood Plasma Freezer Model Froster-BL-180

according to DIN 58375

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 • optical and acoustic warning device incl. power failure alarm



-41° C



Capacity	170 Litres
Temperature setting	-41° C
Voltage	220 - 240 V, 50 Hz
Power draft	450 Watt
Average consumption	7,4 kWh/24 h
Overall dimensions incl. distance from wall and door handle	w x d x h = 70 x 76 x 113 cm
Interior dimensions	w x d x h = 55 x 52 x 60 cm
Overall dimensions with door open at 90°	w x d = 70 x 138 cm
Weights (*with disc-type pen-recording thermometer)	net 100 kg, (*107 kg), gross 110 kg (*118 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 and easy to clean. 3 stainless steel drawers with cooling shields, with stainless steel rails. Drawer inner dimensions: w x d = 52 x 32 cm, stacking height 16 cm. Capacity per drawer app. 30 plasma cartons with a size of e.g. 19 x 13 x 2,5 cm and 400 ml, in total app. 90 plasma cartons.

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

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.

Recirculating air cooling by means of a 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.

Rapid defrosting, automatically by reversal of the refrigerant circuit, with thermal control and time limit functions. *During the defrosting period the necessary low temperature is kept.*

Melt water evaporation in the compressor area.

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.

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

Temperature gear via electronic thermostat. The temperature is kept automatically independent of changes in ambient temperature provided, the ambient temperature does not rise above +32°C.

Compressor dynamic ventilated, hermetically enclosed with vibration-proof mountings, for 220-240 V AC, 50 Hz,

energy saving, low noise, easy to service. Other voltages and frequencies available on request. Length of mains cable supplied: app. 1.8 m.

Equipment at extra charge:

- Drawer length divider for stainless steel drawer
- Castors
- GSM-Module

Appliances for temp. documentation:

- PC-Kit (USB-Version)
PC-Kit-Net (Network capable version), incl. documentation software
- Disc-type pen recording thermometer with 7-day measuring cycle on top, (freezer then 129 cm high) with 100 recording discs and 5 felt tip pens
- PT 100 or PT 1000 sensor for temperature recording and monitoring via EDP system