

# Blood Plasma Freezer

## FROSTER-BL-178

According to DIN 58375

- 3 drawers
- Re-circulating air-cooling
- Automatic defrosting
- Melt water evaporation
- Digital temperature display
- Key switch protected control panel
- Minimum/Maximum temperature memory
- Optical and acoustic warning signal including power failure alarm
- Potential free contact and interface RS 485



Capacity	170 Litres	
Temperature setting	-32° C	
Voltage	220 – 240 V	
Frequency	50 Hz	
Power draft	460 Watt	
Average consumption	5,3 kWh / 24 h	
Overall dimensions incl. distance from wall and door handle	69,5 x 76,5 x 121,3	(w x d x h in cm)
Interior dimensions	55 x 52 x 60	(w x d x h in cm)
Usable dimensions	53 x 41 x 47	(w x d x h in cm)
Overall dimensions with door open at 90 °	69,5 x 135,5 (w x d in cm)	
Drawer inner dimensions	50,5 x 34,5 x 10	(w x d x h in cm)
Loading capacity per drawer	50 kg	
Weight (*with discs type pen recording thermometer)	103,5 kg (*108 kg) / 116,5 kg (*121) kg (net / gross)	

**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. 3 drawers made of stainless steel on telescopic runners. Stacking height: 15 cm. Capacity per drawer app. 30 plasma cartons (each 19 x 13 x 2,5 cm), each 400 ml size.

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

**Self closing door** with easy opening mechanism, as standard lockable. 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.

**Re-circulating** 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** with temperature and time limit function.

**Melt water evaporation** in the compressor area.

**Temperature gear** by electronic thermostat. The temperature is kept automatically independent of changes in ambient temperature.

**Key switch protected control panel** with digital temperature display, minimum/ maximum temperature memory, optical and acoustic warning signal in case of temperature deviation and power failure alarm up to 72 hours, with **potential free contact** for remote monitoring. Standard equipped with **interface RS485**.

**Compressor**, dynamic ventilated, hermetically enclosed, with vibration-proof mountings, energy saving, low noise, service friendly, for 220-240 V AC, 50 Hz mains. Other voltages on request. Length of mains cable approx. 1,8 m.

#### Equipment at extra charge:

- Castors
- Length and cross dividers
- Drawer made of stainless steel instead of aluminium
- Drawer insert/dividers for stainless steel drawer
- GSM-Module

#### Appliances for temp. documentation:

- PC-Kit-Net (Network capable version), PC-Kit-Stick or PC-Kit-USB-Monitoring incl. documentation software
- Disc-type pen recording thermometer with 7-day measuring cycle with 100 recording discs and 5 felt tip pens (freezer height then 131 cm)
- Temperature probe PT 100 or PT 1000, 4 wire sensor, class 1/3 B with measuring flask incorporated