



PN45E 275 bags

Blood Bank Refrigerators

+2° + 6° C from 100 to 1400 lt. > Capacity 450 lt



PN45E Model

Capacity 450LT - 275 Blood bags (450ml/each)

Structure

External structure in hot-dip galvanized steel, anti-corrosion treated and PVC film coated.
Scotch-brite stainless steel internal structure.

Insulation

60 mm of insulation obtained by injection of high density ecological polyurethane CFC-free foam for excellent product preservation and best energy saving

Door

Self-closing glass door (double insulating - low emissivity glass) with folding magnetic gasket on four sides for perfect closing. Right hand opening or left hand on request. Lock with key.

Light

LED light (energy saving up to 70%, ecological) with automatic switch at door opening. Manual switch on control panel.

Drawers

5 scotch-brite stainless steel drawers with telescopic ball-bearing slides and plexiglas frontal side. Optional plexiglas internal dividers.

Temperature range

Setting between +2°C and +6°C. Factory preset to +4°C. Digital adjustable with an increment of 0.1°C.

Refrigeration system

Completely sealed, silent and highly efficient hermetic compressor and ventilated air condenser (suitable also for tropical countries). Internal ventilated evaporator. Forced-air cooling system conceived to achieve maximum temperature uniformity and stability inside the refrigerator even in case of frequent door openings. Evaporator fan shuts off during door openings. CFC-free refrigerant R452a. On request CFC/HCFC-free natural refrigerant R290.

Defrosting

Fully automatic defrosting cycle and auto-evaporation of condensed water.

Capacity

450 litres-275 blood bags (450 ml/each)

Voltage

230V/50 Hz (on request 230V/60 Hz, 115V/60 Hz)

Absorption

336 Watt

Gas

CFC free R452a or CFC/HCFC-free natural refrigerant R290 on request.

Control panel and alarms

Microprocessor control panel with colour 4.3"LCD touch screen and 4 keys. Display with 0.1°C resolution. Temperature monitoring detected by two independent PT1000 probes. Real time

temperature graph (to be activated by end user). Optional humidity sensor. RS 232/RS 485 port. Digital calibration of probes. Visual and audible alarms of high and low temperature (by means of independent probe), open door, condenser efficiency, damaged probes, power failure with recording of data and alarms (by means of back-up battery), damaged or flat battery. Memory of latest alarms visible on display.

Data logger

To record temperatures and alarms. Download data on USB pen drive.

Back-up battery

Self-powered back-up battery supplying electric power to control panel in order to generate alarms in case of power failure.

Temperature chart recorder

Weekly temperature recording system working with 1,5V battery. It is equipped with 52 paper disks and an ink pen.

Standard

- 5 scotch-brite stainless steel drawers
- Four one way wheels with stabilizing adjustable feet
- Lock with key
- Power cord with Schuko type plug (or British plug on request)
- Protection fuses (on power switch and electronic mainboard)
- RFI filter
- Password protected power switch and settings
- Electronic control panel with alarm system
- Safety thermostat
- Weekly temperature chart recorder
- Back-up battery
- Remote contact (dry, volt-free) for alarm
- Data logger with USB port to download readings and data
- Memory of latest alarms visible on screen
- DIN 58371 conformity kit

Optional accessories

- Internal dividers for drawers
- Castors with two frontal brakes
- GSM module to send SMS alarm messages to mobile phones, showing date, time, cabinet temperature and type of alarm
- LAN Port to connect the appliance via ethernet on PC to monitor correct functioning
- Digital humidity sensor
- Test hole (Ø 25 mm)
- Electric digital key lock

-Power supply 115V/60Hz

External dimensions and unit net weight

700x800x1840 (wxdxh-mm)-kg. 142

Dimensions of packaging and shipping weight

-carton box on pallet: 850x750x1980 (wxdxh-mm)-kg. 163

-wooden crate (option on request): 960x840x2260 (wxdxh-mm)-kg. 225

Equipment in accordance with:

Low voltage Directive 2014/35/UE, Electromagnetic Compatibility Directive 2014/30/UE.

Equipment certified in accordance with Medical Device Directive 93/42/EEC class IIa for storage and preservation of blood.

CE certified by



Notified Body n. 0476

Should it be necessary or useful without undermining any model essential features, technical and stylistic characteristics are subject to be changed without manufacturer's previous notice. The picture doesn't necessarily show the product in its standard version.

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