



## **FS20E 128 bags**

Blood Bank Refrigerators

+2° + 6° C from 100 to 1400 lt. > Capacity 200 lt



### **FS20E Model**

Capacity 200LT - 128 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**

4 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**

200 litres - 128 bags (450ml/each)

### **Voltage**

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

### **Absorption**

245 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**

- 4 scotch-brite stainless steel drawers
- Four one way wheels with stabilizing adjustable feet
- Lock with key
- Power cord with Schüko 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**

600x600x1560 (wxdxh-mm)-kg. 107

**Dimensions of packaging and shipping weight**

-carton box on pallet: 700x700x1770 (wxdxh-mm)-kg. 119

-wooden crate (option on request): 790x760x1960 (wxdxh-mm)-kg. 157

**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.*

**©Copyright FRI.MED. S.r.l.**

Strada Fontaneto 44 10023 Chieri (TO) - Italy

p.IVA /C.F. 07356760012