SPACECODE FRIDGE

The Spacecode Fridge (V4300) is a compact high-performance RFID refrigerator that offers robust traceability of blood products. Track-and-trace of blood bags with detailed information to ensure optimized patient care and maximize inventory control. Find required items immediately using 'pick to light' technology.

BIOMETRIC OR CARD ACCESS
FOR MANAGEMENT CONTROL

LED 'PICK TO LIGHT'
IDENTIFIES ITEMS INSTANTLY

AUTOMATED 24/7 INVENTORY
TRACK-AND-TRACE FROM ANYWHERE

SPACECODE
TECHNOLOGIES
INTELLIGENT TRACK & TRACE

The Spacecode Fridge (V4300) is a compact RFID inventory management and storage system for blood banks to store and track blood bags that need to be maintained, checked and located constantly. The device stops wastage of donated blood and guarantees blood transfusion safety.

The 'pick to light' tag instantly identifies the exact location of a bag inside the refrigerator when it is required for a surgical procedure or transfusion, saving precious time on manual searches and protecting against oversights, removal of incorrect bags and potential delivery to the wrong patient. Each tag records critical safety information including the blood type, donation number and expiration date, as well as the blood bag`s storage temperature and time in/out. When unused blood is returned to the refrigerator, it automatically records the length of time the bag was outside.

The Spacecode Fridge can only be accessed by authorized personnel via RFID access control and constantly records exactly who accessed it, when it was accessed, what bag was added or removed, and where the transaction occurred.

KEY FEATURES

- 100% RFID reading accuracy not affected by metal, liquids juxtaposition (all products positioned vertically)
- Automatic inventory count when door is closed
- Real-time inventory traceability with paperless records
- Comprehensive cold chain of custody trail
- Data can be read and reviewed using a tablet, cell phone or PC
- Alarm when door opens
- Digital temperature control and alarm
- Cased in Premium Grade Galvanized Steel

TECHNICAL SPECIFICATIONS

DIMENSIONS

External Dimensions	670 X 700 X 1320 [MM] (W X D X H with handles, emergency key and wheels)
Interior Fittings / Dimensions	4 aluminum drawers / 495 X 390 X 100 [MM] (W X D X H)
Weight	102 KG
Storage Capacity	280 L- 80 blood bags of 500 ML

MATERIAL

Exterior / Interior Body	Steel / aluminum
Door	Glass with metal frame
Insulation	Double layer 55MM insulation
Interior Lighting	LED

OPERATING PARAMETERS

Temperature Range	+4° C
Temperature Set | Display | Alarm	Yes
Cooling System	Forced with axial blower
Defrosting	Automatic with time limit and temperature monitoring

RFID OPERATION

Carrier Frequency	125 KHZ Global Frequency Standard (119.7 KHZ)
Technology	Spacecode Passive RFID
Tag Type	100.70-LED / 59.35-DFT-LED
Chip Type / Memory	SPC E2 R/W/LED 126 BITS
Data Durability	10 years
Alarms	Door open detector. Power failure sensor. Hi/lo temperature sensor

ACCESS CONTROL

Lock	Electronic
Access Card	13.56 MHZ: PHILIPS MIFARE®, I-CODE®, INSIDE PICOTAG® PICOPASS®, HID ICLASS®, LEGIC ADVANT®, SONY FELICA, ISO15693 and NFC COMPLIANT
Emergency Key	Manual emergency key release

COMMUNICATION

Ethernet	Yes

SOFTWARE

Software Development	SDK (Software Development Kit) .NET CLIENT TCP/IP
Business Application	SmartTracker with central or local database

POWER

Power Supply	220-240V AC, 50-60HZ- Power On switch
Power Consumption	355W MAX
Ambient Operating Temperature 10° TO 38°C (indoor use)	

CERTIFICATION

Applicable Directives	89/336/EEC Electromagnetic Directive
Standards of Conformity	EN301 489-1 V1 8.1- ETSI EN 300 330-2 V1.5.1- EN 50364 of 2010
	FCC Part 15A Radiated Limits
	CE

AVAILABLE OPTIONS

PC touch screen panel
WIFI
Biometric fingerprint access
Solid Door

670mm
550mm
1320mm
1000mm

FRONT VIEW

700 mm
510mm
390mm

SIDE VIEW