

# Blood Refrigerator



2

MODELS



BLOOD BAGS  
(350ml)



+4°C  
TEMPERATURE

SN  
CLIMATE  
CLASS

Blood Bank Refrigerators are devices intended for the safe storage of whole blood and blood components at temperatures ranging from +2°C to +6°C.



Blood  
Management  
Solutions



Vaccine  
Cold Chain



Medical  
Refrigeration

**ICEBERG**

COMMERCIAL DISPLAY

# ICE 1 Door Refrigerator



ICE Model



ICE Premium

## Ideal for:



Blood banks



Blood components



Vaccines

# PRODUCT SPECIFICATIONS

## DIMENSIONS

### Available Standard Sizes

#### ICE Model

- Length: 70 cm
- Width: 80 cm
- Height: 210 cm

#### ICE Premium

- Length: 70 cm
- Width: 80 cm
- Height: 210 cm

## COLORS



STAINLESS STEEL  
Exterior & Interior

#### ICE Model



STAINLESS STEEL  
Exterior & Interior

#### ICE Premium

# TECHNICAL PERFORMANCE

## ICE Model

## ICE Premium

|                     |                                                                                 |                                                                                  |
|---------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| LAYOUT              | One (1) Solid door Refrigerator                                                 |                                                                                  |
| INTERIOR            | 304 Stainless Steel interior                                                    |                                                                                  |
| EXTERIOR            | 304 Stainless steel exterior except back, motor base and bottom                 | 304 Stainless steel exterior including back, motor base and bottom               |
| SHELVES             | Four (4) adjustable heavy duty Stainless steel wire shelves                     |                                                                                  |
| DOORS               | Heavy duty self close hinged doors + safety lock                                |                                                                                  |
| GLASS DOORS         | Optional<br>Stainless Steel Door frame with double glass vacuumed and insulated | Optional<br>Stainless Steel Door frame with 3 Layer glass vacuumed and insulated |
| DOOR HANDLE         | Built-in Stainless steel handles                                                |                                                                                  |
| DOOR GASKETS        | Rubber gaskets with magnets                                                     |                                                                                  |
| LIGHTING            | LED Inner lighting triggers when the door opens                                 |                                                                                  |
| BODY INSULATION     | 6 cm high density insulation across the back, top and sides                     |                                                                                  |
| BASE INSULATION     | 6 cm high density insulation across the bottom                                  |                                                                                  |
| DOOR INSULATION     | 6 cm high density insulation                                                    |                                                                                  |
| INSULATION DENSITY  | PU CFC Free injected @ 40 kg/m2                                                 |                                                                                  |
| CHASE TYPE          | Stainless Steel chase on 3" Castors<br>(Optional 2" Castors or adjustable legs) |                                                                                  |
| CONTROL             | Digital Electronic Thermostat                                                   |                                                                                  |
| CONTROL PROTECTION  | PVC protective cover for thermostat and switches                                |                                                                                  |
| CLIMATE CLASS       | ST                                                                              |                                                                                  |
| AMBIENT TEMPERATURE | 32°C at RH 60%                                                                  |                                                                                  |
| REFRIGERANT         | Gas R134A or Gas R404A                                                          |                                                                                  |
| TEMPERATURE RANGE   | 0° C to 10° C                                                                   |                                                                                  |
| MOTOR TYPE          | One (1) Embraco Compressor 3/4 HP Italian Brand, Made in Slovakia               |                                                                                  |
| EVAPORATOR TYPE     | One (1) Friga-bohn XR 85 Evaporator, Made in France                             |                                                                                  |
| REFRIGERATION TYPE  | Low noise with dynamic airflow                                                  |                                                                                  |
| MOTOR PLACEMENT     | Top Motor                                                                       | Bottom motor                                                                     |
| DRAIN               | Requires drain                                                                  | Self evaporating drain                                                           |
| POWER RATING        | 220-240 V, 1 PH, 50 HZ, 0.7kw                                                   |                                                                                  |

# Blood Bank refrigerators

Blood Bank Refrigerators are devices intended for the safe storage of whole blood and blood components at temperatures ranging from  $6^{\circ}\text{C}$  to  $2^{\circ}\text{C}$ . Multiple controls, warning and data recording safety



**Integrated protective cover**



**4 Adjustable stainless steel wire shelves**



**Data logger with multilevel alarms**

Data logger with multilevel alarms, battery backup, data monitoring and recording accessible through windows 10, android, iPhone & iPad with push notifications and SMS messaging



**Recessed stainless steel door handle**



**Safety door lock**



**Hygienic 3" wheels**

with 2 front stopper

# Integrated Multifunctional Monitoring System

Easy to use multifunctional electronic monitoring system that offers alarms, central alarm system, set point security, battery backup, temperature display and many other control features; compatible with windows 10, iOS & Android.

## Technical specifications:

- \* Data & Alarm via GPRS, SMS & Ethernet
- \* Mobile phone SMS alarm to max. 8 mobile phones.
- \* Numeric LED display showing temperatures set points.
- \* Programmable Ultra-high/high/low/ultra-low alerts in each sensor
- \* Power loss alert, internal UPS
- \* 4 MB internal memory storing 30000 records      \* SD Card memory expansion (Max 32 GB)
- \* Premier Client Lite software for Windows 10, iOS, Android, iPhone, & iPad providing a tool of receiving live & historical, and user-friendly graphical display of data.



## Sensor placement

|                            | ICE Model                                                                                                                                                                                                                                                                            | ICE Premium                                                                                                                                                                                                                         |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cabin                      | 1 High Precision Temperature sensor                                                                                                                                                                                                                                                  | 2 High Precision Temperature sensor                                                                                                                                                                                                 |
|                            | Range: -55 ~ +125 °C                                                                                                                                                                                                                                                                 | Range: -55 ~ +125 °C                                                                                                                                                                                                                |
|                            | Accuracy: +/-0.5 °C                                                                                                                                                                                                                                                                  | Accuracy: +/-0.5 °C                                                                                                                                                                                                                 |
|                            | <b>Action</b> <ul style="list-style-type: none"><li>- Audible alarm sounds when temperature reaches above or below the set temperature limits</li><li>- Visible light turns on to show temperature fault</li><li>- SMS sent to preset personnel advising temperature fault</li></ul> |                                                                                                                                                                                                                                     |
| Motor Failure              | 2 Alarms placed on High & low pressure points                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                     |
|                            | <b>Action</b> <ul style="list-style-type: none"><li>- Audible alarm sounds advising motor shut down</li><li>- visible light turns on advising motor failure</li><li>- SMS sent to preset personnel advising to take action</li></ul>                                                 |                                                                                                                                                                                                                                     |
| Door Open Sensor           | 1 Door Open Alarm                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                     |
|                            | <b>Action</b> <ul style="list-style-type: none"><li>- Audible alarm that starts low and increases in volume if the door is left for longer duration</li><li>- If the door is left for longer periods SMS is sent to preset personnel advising them of door open</li></ul>            |                                                                                                                                                                                                                                     |
| Ambient Temperature Sensor | Available                                                                                                                                                                                                                                                                            | Available                                                                                                                                                                                                                           |
| Condensor Sensor           | -                                                                                                                                                                                                                                                                                    | 1 Alarm sensor                                                                                                                                                                                                                      |
|                            | -                                                                                                                                                                                                                                                                                    | <b>Action</b>                                                                                                                                                                                                                       |
|                            | -                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"><li>- when condensor temperature rises, alarm triggers the additional cooling of the condensor</li><li>- SMS advises concerned personnel to contact maintenance to resolve the problem"</li></ul> |
| Evaporator Sensor          | -                                                                                                                                                                                                                                                                                    | 1 Temperature Sensor                                                                                                                                                                                                                |
|                            | -                                                                                                                                                                                                                                                                                    | <b>Action</b>                                                                                                                                                                                                                       |
|                            | -                                                                                                                                                                                                                                                                                    | <ul style="list-style-type: none"><li>- This temperature graph is for maintenance needs only.</li></ul>                                                                                                                             |
| Numerical LED Display      | -                                                                                                                                                                                                                                                                                    | Available                                                                                                                                                                                                                           |

# WARRANTY



## 1 YEAR UNLIMITED WARRANTY

Enjoy our 12 months unlimited warranty on all parts and labour. All components are covered under this warranty so you can sit back, relax and focus on your work.

Tear & wear excluded

# OPTIONAL EXTENDED WARRANTY

## ADDITIONAL 1 YEAR EXTENDED WARRANTY

Cover your unit with our rock solid warranty that nurtures your unit from head to toe with our extended warranty plan



## SCHEDULE MAINTENANCE INCLUDED

Our professional team will carry preventive scheduled maintenance for your unit to eliminate any unnecessary interruptions

## 2 YEARS OF UNLIMITED WARRANTY

Your unit will be covered by 2 years warranty by ICEBERG's famous maintenance team dedicated to give you 100% of your unit performance

## VERY LOW COST

The cost of this service is a percentage of your unit value which you won't even realize. This maintains your unit for a longer life cycle



## FACTORY & SHOWROOM

„NASR ABDEL WAHAB ST 9  
NEXT TO MERCEDES-BENZ SERVICE (GAS)  
„AL SALAM INDUSTRIAL ZONE  
CAIRO, EGYPT

### المعرض والمصنع

٩ شارع نصر عبد الوهاب  
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