

BLOOD BAG REFRIGERATORS

Temperature range of 4°C ± 2°C

MODEL NO	CAPACITY (No of Bags)	NO OF TRAYS	INNER SIZE (H x W x D) mm	OUTER SIZE (H x W x D) mm
BBR-60	60	3	665 x 365 x 450	1370 x 450 x 565
BBR-160	160	4	1100 x 495 x 490	1830 x 590 x 580
BBR-300	300	5	1230 x 640 x 630	2070 x 720 x 730

Blood Bag Refrigerators with PUF insulated main door and poly-acrylic sub-doors are also made available on request

PLASMA FREEZERS *Plasma Freeze*

Temperature range of -30°C to -40°C

MODEL NO	VOLUME (Ltr)	NO OF TRAYS	INNER SIZE (H x W x D) mm	OUTER SIZE (H x W x D) mm
PF-V-170	170	4	900 x 380 x 500	1175 x 580 x 700
PF-V-325	325	4	900 x 500 x 725	1475 x 700 x 925
PF-V-500	500	5	1200 x 620 x 675	1875 x 820 x 875

COMPONENT FREEZERS *Compo Freeze*

Temperature range of -70°C to -80°C

MODEL NO	VOLUME (Ltr)	NO OF TRAYS	INNER SIZE (H x W x D) mm	OUTER SIZE (H x W x D) mm
CF-V-170	170	4	900 x 380 x 500	1575 x 680 x 800
CF-V-325	325	4	900 x 500 x 725	1675 x 800 x 1025
CF-V-500	500	5	1200 x 620 x 675	1975 x 920 x 975

Plasma Freeze and Compo Freeze are also made available in chest models against specific request



We also offer

- ▶ Large Capacity Blood Bag Refrigerators
- ▶ Lab Refrigerators (for reagent storage)
- ▶ Walk-in Cold Rooms

Desiree Brand communication

LIFE

We Preserve It

Blood & Component storage systems

Cryo Scientific in its endeavor to constantly improve existing products and services using the latest technology, proudly presents in this brochure, the new range of storage systems for whole blood and its components. These products meet the critical standards on safety, reliability and user friendliness as demanded by blood transfusionists globally.



BLOOD BAG REFRIGERATORS

Specially designed for consistent and reliable storage of whole blood at a safe temperature +4°C. Available in three models of 60, 160 and 300 bags capacities to suit small, medium and large blood banks.

DESIGN & CONSTRUCTION

- » Fully extendable baskets with dividers made of stainless steel rods for convenient storage of blood bags and permitting free turbulence of cold air
- » Positive forced air circulation ensures temperature uniformity throughout the cabinet
- » Corrosion resistant power coated mild steel exterior and stainless steel (SS 304) interior
- » High density, foamed-in place PUF insulation
- » Double pane glass viewing door with spring loaded door closure
- » Interior cabinet light with door activated ON/OFF switch
- » Equipment with castor wheels for smooth and easy movement

REFRIGERATION

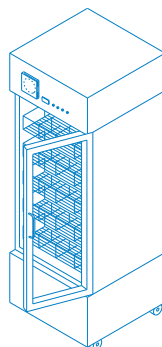
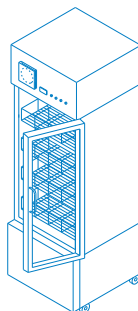
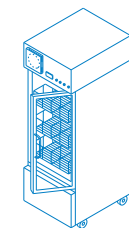
- » Heavy duty hermetically sealed compressor with eco-friendly refrigerant (R-134a)
- » Air cooled condenser aided by continuous rated motor fan
- » Back to front condenser airflow to keep the glass pane door free from moisture condensation
- » Auto defrost and automatic condensate removal

TEMPERATURE RECORDER

- » Microprocessor based temperature chart recorder
- » Built-in, circular, weekly (7-day) recorder in both ink / inkless varieties
- » Graphic chart provides permanent record of storage conditions

CONTROL SYSTEM

- » Microprocessor based digital temperature controller with 0.1°C resolution
- » Audio-Visual alarms for temperature deviation (High/Low), power failure and door open condition
- » Auto Rechargeable Battery back-up for temperature display, alarm and recorder during power failure
- » Automatic voltage stabilizer with high / low voltage cut-off & time delay restart



Plasma Freeze



Compo Freeze

PLASMA FREEZERS (-40°C)

Cryo Scientific Plasma Freezers are ideally suitable for preservation of blood plasma at a stable and uniform temperature up to -40°C.



DESIGN & CONSTRUCTION

- » Fully extendable drawers made of stainless steel sheets for convenient storage of FFP (Freshly Frozen Plasma) bags
- » Corrosion resistant power coated mild steel exterior and stainless steel (SS 304) interior
- » High density, foamed-in place PUF insulation (100 mm)
- » PUF insulated outer door and poly acrylic sub-doors for each tray
- » Hot line around the front of the cabinet to prevent moisture condensation
- » Freezer mounted on swivel castor wheels for smooth and easy movement

REFRIGERATION

- » Heavy duty hermetically sealed compressor with eco-friendly refrigerant (R-404A)
- » Air cooled condenser aided by continuous rated motor fan
- » High purity copper coils all around the inner cabinet for efficient cooling

TEMPERATURE RECORDER

- » Microprocessor based temperature chart recorder
- » Built-in, circular, weekly (7-day) recorder in both ink / inkless varieties
- » Graphic chart provides permanent record of storage conditions

CONTROL SYSTEM

- » Microprocessor based digital temperature controller with 0.1°C resolution
- » Audio-Visual alarms for temperature deviation (High/Low), power failure and door open condition
- » Auto Rechargeable Battery back-up for temperature display, alarm and recorder during power failure
- » Automatic voltage stabilizer with high / low voltage cut-off & time delay restart

COMPONENT FREEZERS (-80°C)

Compo Freeze is suitable for quick freezing of FFPs after plasma extraction as well as for long term storage of blood components. The additional features of the Compo Freeze are

- » Cascaded refrigeration system using 2 Nos of hermetically sealed compressors
- » 150mm thick, high density foamed-in place PUF insulation
- » Brazed Plate Heat Exchanger for superior cooling efficiency
- » Safety control between two stages of refrigeration