

Spire Automation & Innovation, India.

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## **PLASMA FREEZER CUM BLOOD BANK REFRIGERATOR**

Double walled unit with inner chamber made of S.S. and outer of thick PCRC sheet duly powder coated. Freezer and Refrigerator are housed in one external body with individual digital control system, refrigeration system and outer door.

Temperature of Plasma freezer ranges from ambient to  $-40^{\circ}\text{C}$  & that of Blood Bank Refrigerator ranges from ambient to  $2^{\circ}\text{C}$ . The gap between the inner and outer wall is filled with high grade PUF insulation to avoid thermal loss. Body is mounted on a sturdy angle iron frame and is mounted on castor wheels. Unit is fitted with separate Micro Processor Digital Temperature Indicator-cum controller.



### **SALIENT FEATURES**

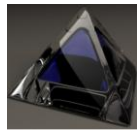
- Available in Horizontal / Vertical models
- Separate compartment for Plasma Freezer & Blood Bank Refrigerator
- Inner chamber made of stainless steel SS and outer chamber made of mild steel duly powder coated
- Inside temperature of Plasma Freezer ranges from ambient to  $-40^{\circ}\text{C}$  with accuracy of  $\pm 2^{\circ}\text{C}$
- Inside temperature of Refrigerator ranges from ambient to  $2^{\circ}\text{C}$  with accuracy of  $\pm 2^{\circ}\text{C}$
- Inner chamber and trays made of SS.
- High grade PUF insulation to avoid thermal loss
- Microprocessor digital temperature indicator cum controller
- Temperature uniformity of  $\pm 0.5^{\circ}\text{C}$  inside Freezer & Refrigerator
- Frost free design

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- Specially designed controller for audio visual deviation alarm from the preset temperature, door open alarm.
- Self closing door along with key door lock facility
- Caster wheels for easy mobility
- Eco friendly compressor with CFC FREE refrigerants
- Power Requirement: Stabilized 230V, 50Hz , 20Amp single phase supply
- 2 to 4 no of adjustable trays / shelves

### **SPECIFICATIONS**

Model	Capacity (Liters)	Plasma Freezer Volume (Ltrs), Internal Dimension (L x W x D cm) & bag capacity	Blood Bank Refrigerator Volume (Ltrs), Internal Dimension (L x W x D cm), & bag capacity	Approx Weight (Kg)
SAII PFR-224A	224	40 x 40 x 46 cm, 74 Ltrs, 40 bags	45 x 45 x 75 cm, 150 Ltrs, 95 bags	140
SAII PFR-224B	224	45 x 42 x 60 cm, 112 Ltrs, 75 bags	45 x 42 x 60 cm, 112 Ltrs, 55 bags	140
SAII PFR-224C	224	45 x 45 x 75 cm, 150 Ltrs, 115 bags	40 x 40 x 46 cm , 74 Ltrs, 40 bags	140
SAII PFR-380A	380	45 x 47 x 60 cm, 128 Ltrs, 87 bags	60 x 60 x 70 cm, 252 Ltrs, 220 bags	190
SAII PFR-380B	380	50 x 51 x 75 cm, 190 Ltrs, 148 bags	50 x 51 x 75 cm, 190 Ltrs, 150 bags	190
SAII PFR-380C	380	60 x 60 x 70 cm, 252 Ltrs, 210 bags	45 x 47 x 60 cm, 126 Ltrs, 64 bags	190
SAII PFR-600A	600	55 x 55 x 67 cm, 200 Ltrs, 150 bags	68 x 65 x 90 cm, 400 Ltrs, 345 bags	270
SAII PFR-600B	600	63 x 60 x 80 cm, 300 Ltrs, 250 bags	63 x 60 x 80 cm, 300 Ltrs, 260 bags	270
SAII PFR-600C	600	68 x 65 x 90 cm, 400 Ltrs, 380 bags	55 x 55 x 67 cm, 200 Ltrs, 158 bags	270

#### **Optional:**

- Outer body made of SS 304
- 7 days circular temperature chart recorder
- Touch screen colour display HMI
- Inbuilt Voltage stabilizer & UPS
- RS 232 port with communication software for PC interface
- Audio visual power failure alarm
- Programmable 64 bit PLC controller with touch screen color display HMI. Models fitted with these controllers require minimum human intervention. (Single PLC & colour display is sufficient for Refrigerator & Freezer. No need to buy separate PLC controller & display for separate compartments)

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