



Ultra Low Temperature Deep Freezer - 86°C

**Auto
Reset on
Power Failure**

**Triple
Point Sealing
for Doors**

**Recovery Time
less than 30 Minutes
for 1 minute Door
Opening**



Model: DF-86-700

MERINO INTERNATIONAL

Ahead... in medical technology innovations



B-40, (G.F.) Pal Mohan Plaza, 11/56, Main Desh Bandhu Gupta Road,
Karol Bagh, New Delhi - 110 005 (INDIA)
Tel +91 11 455 88229, 2352 0809 Tele Fax +91 11 2352 0809
Cell +91 999 999 9615

E-mail merinointernational@gmail.com
Web. www.merinointernational.com

An ISO 9001:2008 Accredited Company



Specifications

- Temperature range of -50°C to -86°C
- Pull down from ambient to -85°C less than 4 hours
- Capacity 700 Liters vertical.
- Works upto 43°C effectively.
- Body made of 18 guage 1.2 mm galvanized steel & internal 304 SS upper chamber with sliding shelves with inner door
- Hold over 4 hrs from -80°C to -50°C. Does not drop more than 2.5 per hour
- CFC free VIP PUF 130mm Insulation on all walls and the outer door with heated ring to prevent every log of alarm situations 2 vacuum valves & icing.
- CFC & HCFC natural green Free non flammable refrigerant with two independent compressors, with their independent evaporators and cooling fans. Front panel Washable condenser indicator for filter change & down flow evaporator 1 HP with high pressure high temperature cut out.
- Bottom mounted compressors 2x1 HP are independent high & low stage system Hermatic Rotary compressors cascaded CFC / HCFC natural green Free to run between 190 to 270 V. 2 Axial fans easy service panel
- 4 level settable password for 3 different authorised users Password protected Microprocessor based 7" touch screen with & digital graph display control panel at eye level real & set temperature with Data log function that retains operation data for a preset period with option to directly transmit data to a PC for printout in excel format having a year long system capacity with battery backup for alarms for 4 hours. Diagnostic software.
- Data logger with 1 year record with USB port. RS485 with chart recorder detail & fault indicators
- Remote alarm & central monitoring possible.
- Control panel audible & visual alarms for: High/low temperature, Door ajar battery low, Power failure, system with its own batteries for 2 days with diagnostic software. Event log of alarm situations
- Four height adjustable stainless steel sliding perforated shelves insulated with 2 SS doors with silicon sealing
- Independent outer doors with latch and lock with SS door electronic lock RFID
- Suitable Voltage Stabilizer 5 kva to works at 190-270 V. PT-1000 sensors
- LED ON/OFF display. Remote temperature monitoring auto set of set temperature incase system malfunctions.
- Lockable Castor mounted with leveling feet.
- 230 V ambient temperature upto -35°C RH 15-90%
- Conforming to IEC 61010 norms CE certified.
- Access port for Co2 backup/ Ln backup.
- Noise level < 53 db.
- Power consumption > 10.5 kw per day.
- Half filled SS racks
- 1 pair of cryo gloves.
- 1 Ice scrapper .
- Holding racks -O
- Corrosion resistant racks-O



MERINO INTERNATIONAL

Ahead... in medical technology innovations

B-40, (G.F.) Pal Mohan Plaza, 11/56, Main Desh Bandhu Gupta Road,
Karol Bagh, New Delhi - 110 005 (INDIA)
Tel +91 11 455 88229, 2352 0809 Tele Fax +91 11 2352 0809
Cell +91 999 999 9615
E-mail merinointernational@gmail.com
Web. www.merinointernational.com
An ISO 9001:2008 Accredited Company