

-80 Deep Freezer

- ~Should have 490L or above capacity Upright, 230 volt 50 hz with settable range of -50°C to -86°C to store at least 320 Nos 2inch cryobox.
- ~Heavy Duty Industrial Grade with (2) 1 horsepower compressors.
- ~US FDA Certified for class I and 2 medical application(Vaccine , Enzyme , Virus , Bacteria, Blood and Components, Tissue etc)
- ~Temperature Hold Time during Power Failure: Minimum 4.2 Hours
- ~Dry contact, RS485 and 4-20mA remote contact for ~Remote Monitoring and Central Monitoring
- ~Vacuum relief port Allows for easy door opening and ~Easy re-entry after door openings
- ~4 Inner doors and sub-lids reduce cold air loss and provide best uniformity.
- ~4" x 12" long heavy duty hinge for ensuring positive closure and un-interruptive service (uprights)
- ~Triple-point gasket provides air-tight seal without heat Reduces ice build-up, easier to maintain and Prevents leakage of ambient air into freezing chamber
- ~Two 10" tubeaxial fans to provide maximum cooling of the compressor housing, Even one Fan fails, Compressor ~Keeps on Cooling by another Fan (Double protection)
- a) Service valves provided to allow easy recovery of refrigerants and field servicing.

- ~Hinged grill swings out for easy access to filter and battery
- ~Temperature recovery time should be less than 22 Minutes after one minute Open Door activity
- ~Optional Automatic wireless data logging with 21CFR Part 11 security with EMAIL/SMS/TELEPHONE Alerts on fluctuations.
- ~Optional Automatic logging of Open Door and Door close activity with time/date and alarms alerts on Open/Close door via EMAIL/SMS/TELEPHONE/FAX ETC.
- ~Automatic voltage compensator responds to high and low voltages, ~Also Compensate/Correct the voltage variation by In-built Buck and Boost system.
- ~5"(127mm) non-CFC foamed-in-place polyurethane insulation; 4.5" in door
- ~48 Hours In-Built Battery back-up for the alarm monitoring system
- ~Both visual and audible alarms must alert operator of over and under temperature, power fail, door ajar, and low battery conditions.
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- ~Optional eye level recorder mounted in the door or optional data logger.
- ~Down-feed evaporator
- ~Should have high accuracy control sensor : Single RTD (1000 ohm Platinum RTD)
- ~Brazed Plate Heat Exchanger – Increased efficiency, improved cleanliness, decreased variation*
- ~Extremely tight Peak Variation @ +4°C/-3.3°C over 11 to 16 Points validation on 48 Hours Mapping.
- ~Optional Heavy Strength Stainless Steel Interior