

ICE LINED REFRIGERATORS & ICE LINED FREEZERS



Salient Features:

1. Fool-proof preservation for Biological samples, vaccines, precious medicines etc.
2. Large body of brine for more than 24 Hours back up.
3. No worry about sample safety due to frequent power cuts.
4. Low power consumption, suitable for dusty & remote places.
5. Plug & play and Maintenance free, No need for installation.

Technical Specification

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| Product | Ice Lined Refrigerator (ILR) / Ice Lined Freezer (ILF) | |
| Temperature Range | 2°C to 8°C / Up to -22°C | |
| Model | ILR-125 / ILF-125 | ILR-300 / ILF-300 |
| Useful inner dimension | 500 (w) x 500 (l) x 500 (h) mm | 970 (w) x 500 (l) x 600 (h) mm |
| Overall outer dimension | 720 (w) x 720 (l) x 1050 (h) mm | 1515 (w) x 740 (l) x 860 (h) mm |
| Capacity | 125 Litres | 300 Litres |
| Temperature Holding Time | ILR - 24 Hours** from 2°C to 10°C ILF - 24 Hours** from -20°C to -5°C | |
| Construction | Triple walled construction | |
| Inner Chamber | Stainless Steel 304, 18 SWG (1.2mm), tig welded to the middle chamber | |
| Middle Chamber | Galvanised Steel | |
| Outer Chamber | Made of Powder Coated CRCA sheet, with Latch, Lock & Key | |
| Insulation | 75 mm thick PUF insulation between the middle and outer chamber | |
| Sub-doors | Made of Polyrexine of 40 mm thickness | |
| Hot Line | Anti-condensation using hot line at the mouth of the cabinet | |
| Compressor | Hermetically sealed compressors from Tecumseh/Emerson | |
| Refrigerant | Non-CFC, Non-HCFC, eco-friendly(R-134A) | |
| Coolant | Brine of Ethylene Glycol | |
| Combi-Condenser | Skin condenser on inner lining of external body + Air-cooled type condenser with grooved Aluminium fins for effective heat transfer | |
| Copper coils | 99.97% pure copper coils | |
| Controller | Microprocessor based, with digital display from Dixell, Italy | |
| Temperature Recorder | Micro processor based Weekly Circular Chart type (Optional) | |
| Sensor | Fast response NTC Thermistor sensor | |
| Alarm | Audio-visual alarm for Temp rise, Low battery | |
| Battery Back up during power failure | Inverter circuit for continuous display of temperature and recording (10 to 12 hours approx) with auto recharging, battery OK indication | |
| Safety | Fuses for Compressor and Temperature Controller | |
| Stabilizer Built in | Automatic Hi / Low voltage cut-off and time-delay restart | |
| Power rating | 15 Amps, 230 V, 1 Phase, 50 Hz | |
| Electrical Energy | 2 KWH/day | 3.5 KWH/day |
| Package Size | 855 (w) x 880 (l) x 1200 (h) mm | 1605 (w) x 890 (l) x 1010 (h) mm |

** With a minimum of 15 Kg. Load (equivalent to water)