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Product Name :
Refrigeration Chamber and Defrosting Methods

Product Code :
LBNY-0005-11700041



Description :

This climate depends on different influences, such as the surface temperature of the evaporators, cold storage room temperature, degree of evaporator icing, quantity and type of refrigerated goods etc. Icing of the evaporators significantly reduces the refrigeration capacity and must therefore be prevented as much as possible by periodic defrosting, i.e. heating the evaporator surfaces. The climate in the cold storage room has a significant effect on the quality of the products stored there. The icing of the evaporators depends on the evaporator and room temperatures and the quantity of humidity introduced by the refrigerated goods. The evaporator surface can be heated from the outside by electric heating or from the inside by hot gas directly from the refrigerant compressor. In addition to the periodic defrosting at set times, there is defrosting performed as required by measuring the actual ice coating.

Technical Specification :

Refrigeration system to investigate the climate in the refrigeration chamber and different defrosting methods
Evaporation pressure and temperature adjustable
Heat exchanger as super heater and for refrigerant supercooling
Digital display for temperature and humidity in the refrigeration chamber
Evaporators, separately switchable via solenoid valves
Electric defrost heater
Latent and sensitive cooling load
Hot gas defrosting
Defrost controller and defrost timer.



Laboratory Instrument India