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Product Name :
Refrigeration System With Refrigeration Chamber

Product Code :
LBNY-0005-11700052



Description :

The test rig comprises of a refrigerating chamber with forced draught evaporator fed by a thermostatic expansion valve, a condensation unit of 250 W; transparent access panel; refrigeration circuit with flow display screen equipped with heat exchanger for subcooling the liquid and the solenoid valve; electric defrost system and control through programmable PLC and timing. Our equipment allows students to visualize and study the process of industrial refrigeration. Despite being a bench top unit, it includes all the essential components of a large scale installation. The unit has been built using modular systems and it can reach a cooling temperature of -30°C . It includes a drying filter and a liquid storage tank.

Experimental Capability:

Heat transfer and thermal insulation
Coolants
Calculation of thermal loads
Refrigerating chambers and industrial refrigeration
Automatic control and instrumentation
Psychrometric processes (low temperature)
Refrigerator cycles
Steam compression

Technical Specification :

Refrigeration chamber
Liquid viewer allows
Control unit includes

Defrost
Expansion valves
Pressure controls
Evaporator
Condenser.



Laboratory Instrument India