

RAC29.xls  
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## **COLD STORAGE PLANT TEST RIG**

MODEL: RAC29



### **FEATURES**

- Compact, sturdy and safe design
- Industrial components used
- Smooth and silent operation

### DESCRIPTION

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The equipment is designed to study the specific constructional features and performance characteristics of high capacity Refrigeration system. The equipment incorporates an insulated cold storage chamber along with air circulation fan inside the chamber.

Optionally it is possible to attach a fault trainer to this to study the trouble shooting aspects. The trainer is complete with temperature indicator, pressure gauges etc.

### INSTRUCTION MANUAL

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Self -explanatory operating manuals are provided with each system. Detailed theory as well as practical exercises is also included in the manual

### LIST OF EXPERIMENT

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1. Study the typical working of refrigeration cycle
2. To determine refrigeration effect.
3. To study the phenomenon of preservation at low temperature

### COMPONENTS

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1. Compressor
2. Condenser
3. Expansion Device
4. Chamber houses sensors, thermostats and fan
5. Evaporator placed in the chamber
6. Electrical Heater to load the system
7. H.P. / L.P cut out
8. Temperature sensor, indicator
9. Pressure gauges

### OPTIONAL ADDITIONAL

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1. Refrigeration components cut away model board.
2. Digital pressure indication
3. Fault tutor
4. PC Operation
5. IBM Compatible PC with colour monitor

### SERVICES REQUIRED

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- Water supply and drainage arrangement
- Electric supply

#### NiYo Engineers

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