

Product Name : " Vortex Tube Refrigerator Unit "
Product Code : " VTRU 11 "



Description :

RANGE OF EXPERIMENTS:-

Observe the Temperature separation phenomenon of vortex tube.

The experiments can be conducted at various of input pressure.

EXPERIMENTAL SETUP :-

Vortex tube assembly

Pressure control valve.

Two Separate Chambers.

Nozzle, Diaphragm & orifice assembly

| TECHNICAL SPECIFICATION | Description |
|--------------------------------|--|
| Compressor | Air compressor. |
| Compressor Capacity | 2hp Motor. Single Phase. |
| Air Supply | 6 CFM at 5 Kg. / cm ² |
| Expansion Device | Vortex tube |
| Temperature | 4 Sensor Computerized |
| Construction Panel | Wall Mounted M.S. Plate Fitt |
| Switch | Main On/Off Switch |
| Pressure Sensor | Computerized Pressure Sensor |
| Voltage | Single Phase 220 – 240 Volts 50Hz. AC Supply |
| Input Power | 1.0 – 1.5 KW. |
| Indicating lamps | Will be provided for compressor and heater |
| Material | 1.2 mm thick CRCA |
| Outer finish | Powder Coated |