



Email : sales@laboratoryinstrumentindia.com

**Product Name :**  
Convection And Radiation

**Product Code :**  
LBNY-0005-12700053



**Description :**

Electrically heated metal cylinder in the pressure vessel as experimental vessel  
Temperature-controlled heating element  
Heat transfer between heating element and vessel wall by convection and radiation  
Vacuum generation with rotary vane pump  
Instrumentation: 1 temperature sensor at the vessel wall, 1 power sensor at the heating element, 1 Pirani pressure sensor, 1 piezo-resistive pressure sensor  
Operation with various gases possible  
Experiments in vacuum or at a slight positive gauge pressure.

**Technical Specification :**

Heating element  
Radiation surface area: approx. 61cm<sup>2</sup>  
Output: 20W  
Pump for vacuum generation  
Final pressure with gas ballast: 20\*10<sup>-3</sup>mbar  
Final pressure without gas ballast: 5\*10<sup>-3</sup>mbar  
Power consumption: 370W  
Nominal suction capacity: 5m<sup>3</sup>/h.

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# Laboratory Instrument India

