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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. 61cm²
Output: 20W
Pump for vacuum generation
Final pressure with gas ballast: 20*10⁻³mbar
Final pressure without gas ballast: 5*10⁻³mbar
Power consumption: 370W
Nominal suction capacity: 5m³/h.

Laboratory Instrument India

