

Product Name :
LAGGED PIPE APPARATUS

Product Code :
Heat and Mass0007



Description :

LAGGED PIPE APPARATUS

Technical Specification :

The unit consists of a three concentric pipes of a very small thickness as compared to diameter. They are arranged concentrically over two supports and closed with the help of two discs. The annular in between the cylinders are filled completely by two different insulating materials. Thermocouples at proper position are used to measure the temperature. Inside the inner pipe a nicrome wire heater is placed. Heat input to the heater is given through a variac and measured by a voltmeter and ammeter. By varying the heat input rates wide range of experiments can be performed.

SPECIFICATION:-

- G.I pipe inside - 60 mm dia. Approx.
- G.I. pipe middle - 110 mm dia. Approx.
- G.I pipe outer - 156 mm dia. Approx.
- Length of pipes - 1000 mm Approx.

FEATURES:

- Effects of different insulating material combinations can be seen.
- Easy to operate.
- Ideal for group studies and demonstration.

RANGE OF EXPERIMENTS:-

- To determine the heat transfer parameters for the heat flow through lagged pipe.

SERVICE REQUIRED:-

- Suitable bench area to mount the instrument.
- 15amp, Single Phase A. C. electric supply with earthing connection.



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