

SHM-06 ROTARY DRYER



RANGE OF EXPERIMENTS TO BE CARRIED OUT:

1. To study the Fluidised bed drying Process
2. To calculate the rate of drying

TECHNICAL DESCRIPTION :

The apparatus consists of glass shell with roller supports at the two ends & a gear connected to the motor. Wet feed is fed through the chute & dried product outlet point. Air is supplied by a blower. By pass valve & flow control blower enable variation of air flow rate through the drier. heating arrangement for air heating is provided measures air flow rate. Thermometer measures the temperature of wet feed & dried product. Wet & dry built thermometers enable measurement of air condition at inlet to & outlet from the counter flow rotary drier. The rotational speed of shell is evaluated by measuring the speed of rotation of motor & the gear ratio or by visual observation of a colored water on the shell & by turning the number of revolution with the help of a stop clock.

DIMENSIONS AND WEIGHT :

Size :2.5 m.(L)x 1m(W) X 1.5m (H)

Weight :Approx. 100 Kg

SERVICE REQUIRED : 230 v Ac Supply 50 Hz

SCOPE OF DELIVERY:

1. Experimental Setup
2. Instructional Manual