

Product Name :
Separating & Throttling Calorimeter

Product Code :
NEGEMG114



Description :

Separating & Throttling Calorimeter

The Separating & Throttling calorimeter is designed for determination of Dryness Fraction of steam. The setup consists of a drum type electrical boiler, Separating Calorimeter, Throttling calorimeter & steam condenser. A temperature controller is provided to control the steam temperature in boiler. The steam generated in the boiler first is passed through the separating calorimeter & then flows through a throttling device into the throttling calorimeter. Finally the steam is condensed in condensor. Amount of water separated in separating calorimeter & the condensate are measured by measuring jars.

Instruments are provided to measure temperature & pressure of steam at different points. A low water level device & pressure relief valve are provided to safeguard the boiler from Low water level & high steam pressure.

Experimental Capabilities:

- To determine Dryness Fraction of Steam.

SPECIFICATIONS:

- Boiler: (Capacity 20 Kg/hr), Heater Capacity 14 kW, Low Level & High Pressure safety devices.
- Separating Calorimeter
- Throttling Calorimeter
- Steam Condenser
- Set of Pressure Gauges
- Temperature Indicator: 8 Channel with Thermocouple Input
- 'K' Type Thermocouples
- Temperature Controller
- Steam Piping (Insulated Copper Piping)
- Electrical Switches & Wiring
- Base Frame: MOC – M. S. Square pipes & Angles, Powder Coated

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