



Product Specification

TCC000

Catalogue Ref TCC000 Tobacco Oven



The Hearson Tobacco Oven is specifically designed for the controlled testing of tobacco moisture. The temperature of the air within the chamber is carefully and accurately controlled at a level which ensures that only water and volatiles with a boiling point of up to 100°C are released.

This is achieved through a system that relies on a water reservoir with a special steam boiler which is housed in a copper coil. An electric blower at the base of the oven passes air through the heated copper coil, which then enters the drying chamber through an air distribution tube. The preheated air is always maintained at the boiling point of water, ensuring reliable, consistent and comparable results on every

occasion.

The method used in the Hearson Tobacco Oven ensures that tars and oils are not expelled from the tobacco during the drying process. Therefore results are not distorted in any way, such distortions can occur in other testing methods which may expel tars and oils.

This method utilised in the Hearson Tobacco Oven also takes into account the small changes in the boiling point of water that result from different locations, i.e. height. Giving consistent and comparable results wherever and whenever the tests are made.

- Capacity 72 sample tins.
- Air Volume up to 20 litres/min
- Cylindrical drying chamber enclosed by a hinged insulated lid
- 375Watt immersion heater maintains boiling point
- Surplus steam discharged from outer chamber to an air cooled condenser and gravity fed back to reservoir
- Air flow through drying chamber regulated by valve and regulated by a rotameter.
- Controlled by fused switches.
- Power requirements: 230V 50/60hz