



Model No.- ACM-22068-I

VACUUM OVENS - RECTANGULAR

Vacuum Ovens - Rectangular

We are manufacturers of vacuum oven in India since 1990. Our vacuum oven are widely used for day to day heating and drying applications performed in various laboratories, which require heating as well as vacuum applications.

We specialize in both standard and customized models, specifically designed to meet the challenging demands of various scientists for individual and specialized research applications. Over a short period of time Weiber brand have been established as reliable exporters of vacuum oven in India, catering to the vast markets in South East Asia, Middle East, Africa and Europe.

Apart from that we are supplying our vacuum oven in India , catering to a variety of customers ranging from Defence Installations, Research Laboratories, Educational Institutes and various R and D laboratories of leading national and multinational companies.

Salient Features

- Hi Tech Vacuum Oven Double Walled
- Inside chamber made of thick stainless steel SS-304
- Precise Vacuum Control
- Energy Efficient
- Long life
- Low Maintenance
- Calibration And Protocol Documentation



Construction

Our vacuum oven are double walled convection heated units. Outer body of our vacuum oven are constructed out of thick PCRC sheet duly pre-treated with primers and rust proofing and painted with long lasting stove enamel or elegantly powder coated. The inner chamber is made of heavy gauge stainless steel sheet of SS-304 grade. The gap between the walls is filled high grade mineral glass wool, which ensures maximum thermal efficiency in our vacuum oven.

The unit is mounted on a sturdy steel frame and provided with castor wheels (Large Sized Models Only) for easy movement inside the laboratory. The unit is provided with one stainless steel shelves .

Heating

Indirect three side heating system is provided in our units, comprising of air heaters made of high grade Kanthal A-1 wires of suitable wattage. The temperature is evenly distributed throughout the chamber through efficient motor fans ensuring a very good temperature sensitivity.

Temperature Range / Temperature Sensitivity

Temperature range of our standard laboratory oven models are 5°C above ambient temperature to 200°C. However we have the capacity to modify the same to suit the individual specialized requirements of our customers.

Temperature inside our vacuum ovens are controlled with a sensitivity of + 1°C or better.

Front Panel Note

Front panel of our units comprises of on/off switches heating and mains indicator lamps, temperature controllers/Thermostat.

Temperature Control

The temperature inside the chamber is controlled by intelligent programmable temperature controller and indicator. This controller is based on the micro controller nano watt technology and its ergonomic design suits for any specific requirement of the hot air oven, like Data logger facility, Thermal and DOT Matrix interface, direct data load facility in computer office automation software like MS-Word and Excel.



Vacuum

The unit is designed to provide/ hold vacuum of maximum 600 mm Hg.

Vacuum Display

The vacuum of the chamber is displayed by vacuum gauge mounted on the panel of the oven.

Standard Sizes (Useable Space)

- Size: 200mm x 200mm x 300mm
- Size: 300mm x 300mm x 400mm
- Size: 350mm x 350mm x 500mm
- Size: 450mm x 450mm x 600mm

Technical Matrix For Vacuum Oven Rectangular

Temperature Control		
Temperature variation (time)	± °C	1
Temperature deviation (spatial)	± °C	1
Readability/ Set ability	°C	0.5
Temperature range ***	°C	5°C above ambient to 200°C
Sensor thermocouple		Type K
Controller		PID Controller
Display		Capillary type Thermometer LED/LCD
Adjustable alarm limits (visual and acoustic)		Optional

<p>Safety thermostats</p> <p>Temperature variation (time)</p> <p>Sensor thermocouple</p> <p>Automatic setting</p> <p>Adjustable limits</p>	<p>± °C</p>	<p>3</p> <p>Type K</p> <p>Yes</p> <p>Yes</p>
<p>Accessories</p> <p>Real Time Program</p> <p>Printer Report Program</p> <p>Serial Data Port</p> <p>Inspection window in door</p> <p>Access Port 30 mm</p> <p>Castors, lockable</p>	<p>RS 232</p>	<p>optional</p> <p>optional</p> <p>optional</p> <p>optional</p> <p>optional</p> <p>Yes</p>
<p>Shelves</p> <p>Standard/ max</p> <p>Dimensions w,d</p>	<p>mm</p>	<p>1-3 (depending on the internal size)</p> <p>As per the individual model</p>
<p>Power consumption</p> <p>Nominal voltage</p> <p>Frequency</p>	<p>V</p> <p>HZ</p>	<p>230, 1~</p> <p>50/60</p>



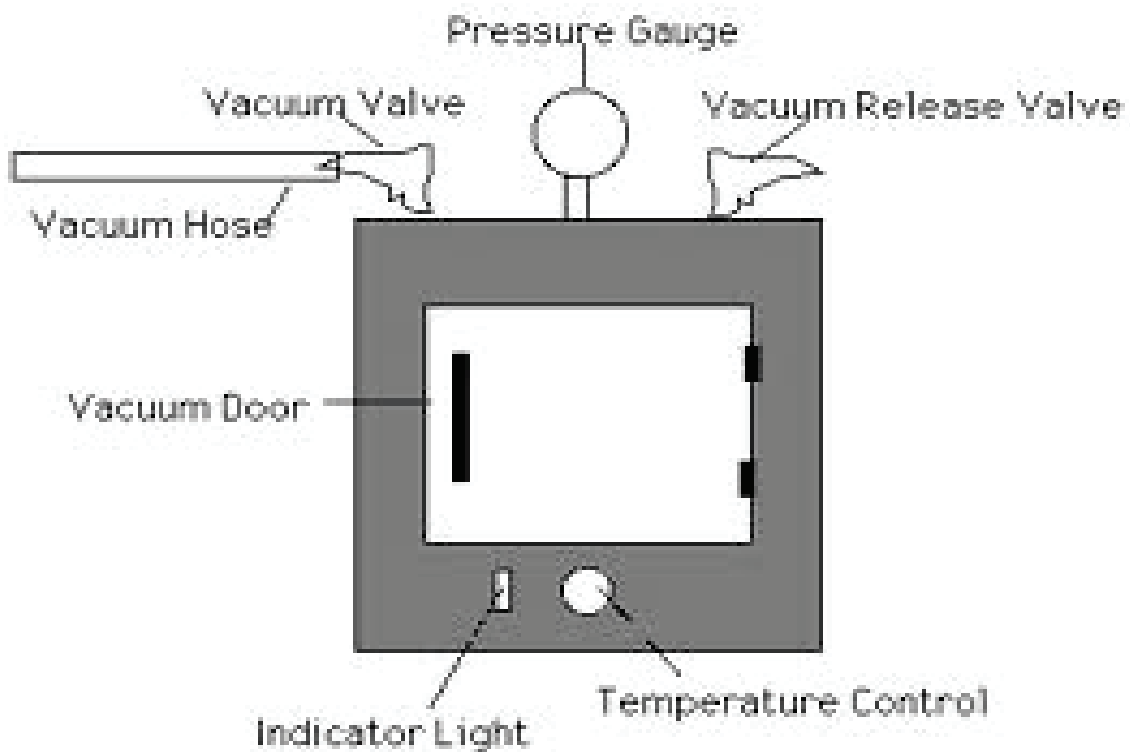
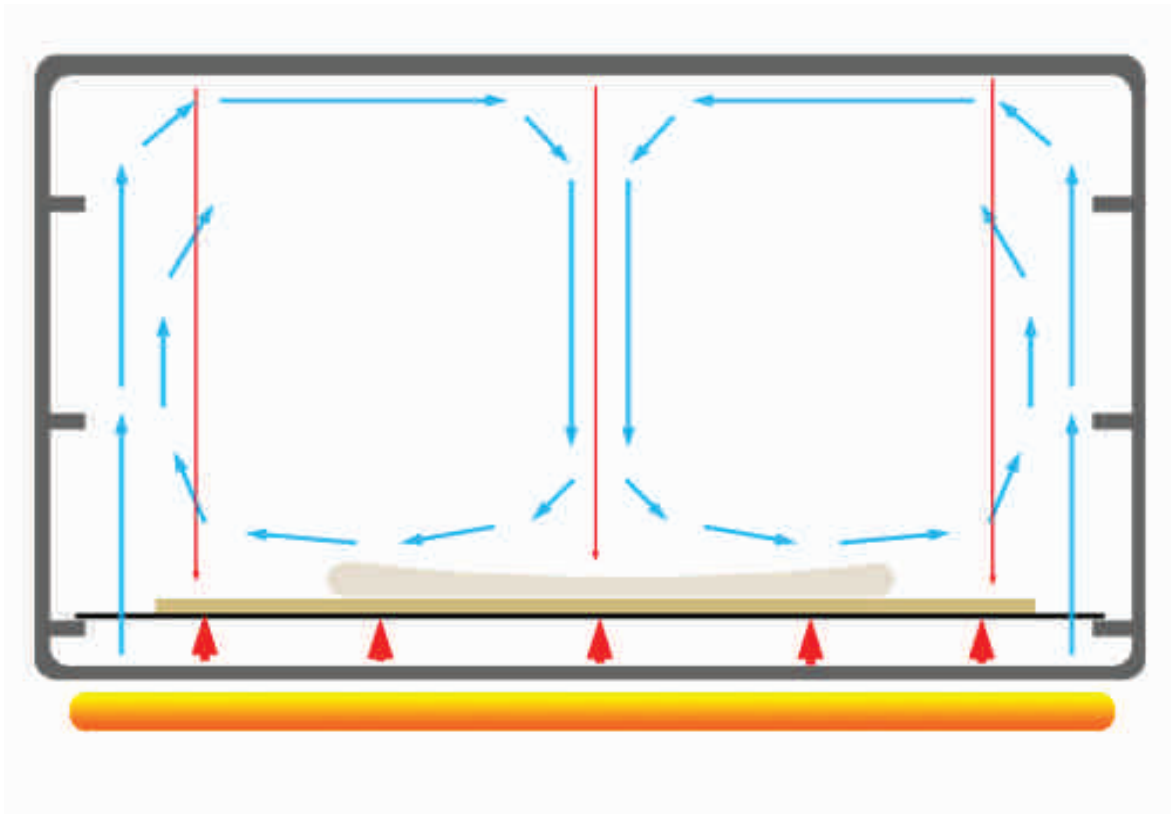
Data Acquisition And Control System For Vacuum Oven Rectangular

Universal Digital Data Recorder with Computer

This is unique module which can be incorporated with our Vacuum Oven to log in temperature and environment related data with a help of a data logger unit which has a pc connectivity by means of RS 232 C interface. This data is then analyzed and formatted with the help of our unique user friendly analysis software to enable the user to get a formatted and analyzed reports of various inputs during the full operation cycle of the equipment. This is an ideal module for pharmaceutical laboratories, process control applications and high research projects where maintaining a viable record of the performance of the equipment is very essential.

Features

- Our system incorporates multiple Devices such as in line process Indicators, environment scanners and temperature or humidity controllers.
- Provides Astech cable for direct interface to any dot matrix or laser printer for online or offline data records printing
- It has Bulk data storage capacity with high data retention life.
- Facility to obtain nicely formatted print out of the logged data or records with proper headers.
- Our system provided facility to program recording interval with various options to suit individual requirements.
- It is provided with the feature to adjust or select baud rate for any serial communication port.
- Our system is provided with user friendly custom developed software which obtains and analyze the data and facilitates the user to generate reports and graphs etc.





An ISO 9001 : 2208 | ISO 14001 : 2008 | ISO 13485

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