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# Vacuum Oven

## Product Image



## Description

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It is a highly versatile, compact oven with a large useful working area. It can be operated at atmospheric or reduced pressure. The oven enables heat sensitive materials to be dried at low temperature. Alternatively, more stable samples may be dried more rapidly at higher temperature, without fan circulation. This oven is also particularly useful for controlled atmosphere heating (e.g. curing of resins under nitrogen or reduced oxygen conditions) since the inner chamber is sealed. It may also be suitable for solvent removal work provided that adequate exhaust & ventilation are provided for the oven & room respectively.

**Construction :** The external case is tough stoved epoxy based powder coated steel to withstand the most demanding working conditions. The vacuum chamber is made of thick jointless 304 grade stainless steel sheet provided with one shelf, which carries a mercury in glass thermometer which can be viewed through the 150 mm wide window by large area heaters strapped to its outer surface. Glass fiber insulation maintains safe, low outer case temperatures. The chamber is closed by a 6mm thick toughened glass plate sealing on to a silicone rubber gasket. The door closures are screw threaded catches which ensure an excellent vacuum tight sealing.

**Vacuum Controls :** Reliable inlet & exhaust valve is fitted. These are situated near the front corner of the oven for convenient connection to a vacuum pump, vapour trap or exhaust. A vacuum gauge is fitted showing vacuum pulled from 0 to 760mm.

**Temperature Control :** Oven temperature is controlled by capillary type thermostat from ambient to 250°C with in  $\pm 1^\circ\text{C}$ /Digital temperature controller cum indicator/PID controller

**Size :** Diameter & depth of inner chamber: 12" x 12"

Particulars	Catalog No.
Vacuum Oven, Thermostatic	JA22120
Vacuum Oven with Digital temperature controller cum indicator	JA22121
Vacuum Oven with P. I. D. Controller	JA22122
Vacuum Oven, 304 grade Stainless Steel Outer Body with P. I. D. Controller	JA22123

**Note:** Custom-made ovens to your specific requirements like size, material, control mechanism, configuration, shelves or special needs available on demand.

## Disclaimer

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The Products details given on this page are indicative in nature and JAPSON reserves the right to change

them without prior notice. Buyer is also requested to re-check the specifications and other features of product at the time of order as product development is a continuous process and minor modifications may be made to design based on latest availability, process and design.