



**Deepali United - (DU)**  
Manufacturing Pvt. Ltd.

# VACUUM OVEN

## DU/20-21/VTD/01

### PRODUCT OVERVIEW

A vacuum drying oven is most often used for delicate drying processes, such as drying tiny parts or removing flammable solvents. The low pressure environment also minimizes oxidation during drying.

### STANDARD AND CUSTOM BUILDS

To accommodate various needs and requirements of different applications, our oven range comes with standard dimension ranges which can be customized as per needs.

### OVERVIEW

Our ovens are GMP grade with SS 316 grade material used for construction, double toughened glass and microprocessor based temperature controller. They provide fast heating which minimizes operation time.

### FEATURES

- Material of Construction: Inner chamber, outer chamber and the door are made up of stainless steel **SS-316** (Other materials on request).
- **Double toughened glass** window provided in the front door to view the inner chamber.
- Temperature Controller: Digitally Controlled, **Microprocessor based PID Controller** with PT-100 RTD sensor.
- The Gaps between Inner Chamber and Outer walls are filled with high insulation material known as Ceramic Glass wool. (**Super Wool**)
- The **Adjustable Over Temperature Limit Control** is completely independent of the main temperature controller and guards against malfunctions.
- **Settable Alarm alert** on reaching set point temperature or desired temperature for alarm alert.
- **Door Sealed** with High Temperature Silicone Gasket.
- Miniature Circuit Breaker (MCB) for **Electrical Overload protection** and Voltage Supply ON/OFF
- **Variable Chamber Heating Option** by Rotary Switch for selection of Low and High Heating of the chamber depending upon the required set temperature.
- **Vacuum Gauge Options**
  - Analog type Vacuum Mechanical Dial Gauge with wetted part SS-316, Panel mounting, 2.5Inch Dial Diameter with ¼" BSP male fitting.
  - Digital type Vacuum Indicator and vacuum transducer with ¼" BSP male fitting



## SELECTOR GUIDE



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### DIGITAL SERIES

	VTD-027D	VTD-050D	VTD-095D	VTD-125D
Vacuum Gauge	Digital			
Vacuum Range	10-1010 mBar			
Vacuum Resolution	1 mBar			
Inner Chamber Dimensions (WxDxH) mm approx.	305x305x305 (12"x12"x12")	380x380x380 (15"x15"x15")	460x460x460 (18"x18"x18")	460x610x460 (18"x24"x18")
Inner Chamber Capacity (L)	27	50	95	125
Overall Dimensions (WxDxH) mm approx without leg	505 x 485x705 (20"x19"x28")	580 x 560 x 780 (23"x22"x31")	660 x 640 x 860 (26"x25"x34")	660 x 790 x 860 (26"x31"x34")
Material of Construction (Inner and Outer Chambers)	SS-316 (Stainless Steel)			
No. of Shelves	3 Nos. Anodized Aluminum for better Heat Transfer (MOC SS-316 on request)			
Heating Systems	Wall Electric Heater			
Temperature Controller	PID Type			
Temperature Range	Ambient +10° to 180 ° C			
Temperature Resolution	0.1 ° C			
Input Supply Voltage	230V , 1 Phase, 50 Hz			
Safety	Adjustable Over Temperature Limit by Thermostat , Independent of Main PID Controller			

### ANALOG SERIES

	VTD-027A	VTD-050A	VTD-095A	VTD-125A
Vacuum Gauge	Analog (Mechanical Dial Type)			
Vacuum Range	0 to -29 in-Hg OR 0 to -730 mmHg			
Vacuum Resolution	0.5 inHg OR 10 mm Hg			
Inner Chamber Dimensions (WxDxH) mm approx.	305x305x305 (12"x12"x12")	380x380x380 (15"x15"x15")	460x460x460 (18"x18"x18")	460x610x460 (18"x24"x18")
Inner Chamber Capacity (L)	27	50	95	125
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**Note: Vacuum Pump Not in our scope of Supply.**

*Technical Particulars and Specifications are likely to change without prior notice due to the continuous design improvements.*