

## Vacuum Oven and Rotary Vacuum Pump with accessories

Manufacturer: [ITS Science & Medical Pte Ltd](#)

Model: [DZ-1BC](#)

### Description:

Vacuum oven system has been designed to anneal sample at a certain degree under vacuum. The maximum working temperature under vacuum is ~250 °C.

The vacuum oven system can be also used to store the sample under vacuum.

### Specifications

- Voltage : 220 V
- Consumed Power : 800 W
- Tem. variation : RT+10 °C ~250 °C
- Tem. Fluctuation :  $\pm 1\%$
- Vacuum degree : <133 Pa
- Interior dimensions : 300 x 300 x 270 mm
- Exterior dimension : 480 x 480 x 605 mm
- Packaging dimension : 620 x 560 x 720 mm
- Net Weight : 40 kg
- Gross Weight : 58 kg
- Inclusive of Oil Mist Filter & Hose Nozzle
- Number of stages : 2
- Max. pumping speed at 50/60 Hz : 5.7 / 6.8 m<sup>3</sup>/h
- Max. pumping speed at 50/60 Hz : 3.4 / 4.0 cfm
- Ultimate partial vacuum (abs.) :  $4 \times 10^{-4}$  mbar
- Ultimate vacuum (abs.) :  $2 \times 10^{-3}$  /  $1.5 \times 10^{-3}$  mbar/torr
- Ultimate vacuum (abs.) with gas ballast :  $1 \times 10^{-2}$  /  $0.75 \times 10^{-2}$  mbar/torr
- Water vapor tolerance : 40 mbar
- Ambient temperature range (operation) : 12 - 40°C
- Ambient temperature range (storage) : -10 - 60°C
- Oil capacity (B-Oil) min / max : 0.34 / 0.73 Liter
- Max. back pressure (EX) (abs.) : 1.1 bar
- Inlet connection (IN) : Small flange KF DN 16
- Outlet connection (EX) : Hose nozzle DN 10 mm
- Rated motor power : 0.3 kW
- Rated speed at 50/60 Hz : 1500/1800 min<sup>-1</sup>
- Degree of protection : IP 40
- Dimensions (L x W x H) : 370 x 142 x 207 mm
- Weight: 16.4 kg
- Noise level at 50 Hz, typ. : 50 dBA

