



RVO-50

Vacuum Ovens are very versatile pieces of equipment with applications in laboratory research, engineering, and industry. Vacuum oven is generally used for drying of substances which are hygroscopic and heat sensitive and is based on the principle of creating a vacuum to decrease the chamber pressure below the vapour pressure of the water causing it to boil. It can be filled with inert gases, especially for rapid drying of some compound material. The low pressure environment also minimizes oxidation during drying.

The materials to be dried are kept on trays and pressure is reduced by means of vacuum pump. Steam is passed through the space between trays and jacket, so that heat transfer occurs by conduction. The oven door is locked airtight and connected to vacuum pump to reduce the pressure. Microprocessor controller with digital display ensures precise and homogenous temperature control. Dual layer tempered glass door is provided for clear observation. Adjustable aluminum expansion shelves ensure optimal heat transfer within oven chamber.

Technical Data	
Model	RVO - 50
Temperatue Range / Accuracy	RT+ 10°C to 200°C / $\pm 1^{\circ}\text{C}$
Display Resolution	0.1°C
Vacuum Degree	133Pa
Chamber Material	Stainless Steel
Aluminium Shelves	2
Ambient Temperatures	+5-40°C
Power Consumption	1450W
Internal Dimension (WxDxH) (mm)	415x370x345
External Dimension (WxDxH) (mm)	730x560x550
Supply: 220-240 Volts 50 Hz Single Phase.	

Specifications subject to change without notice