

# EV 018

## VACUUM OVEN



EV 018 vacuum oven has the ideal design for gentle drying of heat labile samples and experiments under inert gases and optimizes the control of temperature and pressure. A fast and precise heating performance is obtained by the sheet heaters surrounding the chamber with the combination of PID microprocessor control system.

Stainless steel chamber has high resistance to corrosion, most of the chemical vapours and contamination as well as the silicon gasket which is made in one piece and simply fitted directly on the oven body. The round corners of the chamber and the design of the gasket make the cleaning easier.

The vacuum level can be followed on the vacuum gauge on the control panel.

Two spherical valves are provided as standard: One for vacuum connection and the other for adding dry air or inert gasses.

The samples can be observed through the heat-treated glass window on the door.

The programmable microprocessor control system has two digital displays for temperature and time as well as many functional leds.

Although the microprocessor control system has many safety features, an independent safety thermostat takes over the control in case of any failure.



## TECHNICAL SPECIFICATIONS

|   | EV 018                          |
|---|---------------------------------|
| Temperature Range                       | 70°C / 200°C                    |
| Temperature Sensor                      | Fe-Const                        |
| Control System                          | Programmable Microprocessor PID |
| Temperature set and display sensitivity | 0.1°C                           |
| Timer                                   | 100 Hours+Hold Position         |
| Useful Volume, liters                   | 15                              |
| No of shelves (standard/max)            | 2/3                             |
| Vacuum Gauge                            | -1 / +1 bar                     |
| Vacuum Gauge Reading Sensitivity        | 0.05 bar                        |
| Power Consumption                       | 950 W                           |
| Power Supply                            | 230 V, 50 Hz.                   |
| Internal Material                       | Stainless Steel                 |
| External Material                       | Epoxy-Polyester Painted Steel   |
| Internal Dimensions (WxDxH) mm          | 300x250x200                     |
| External Dimensions (WxDxH) mm          | 517x445x530                     |
| Packing Dimensions (WxDxH) mm           | 560x490x635                     |
| Net/Packed Weight kg                    | 37/40                           |

### ACCESSORY

R01 007 Stainless Steel Shelf



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ISO 9001  
ISO 13485

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