labodam

Vacuum Oven
LVO-B1 Series

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Vacuum Oven LVO-B10

Vacuum oven LVO-B10 comes with 913 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Vacuum Oven LVO-B11

Vacuum oven LVO-B11 comes with 431 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Vacuum Oven LVO-B12

Vacuum oven LVO-B12 comes with 215 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Vacuum Oven LVO-B13

Vacuum oven LVO-B13 comes with 125 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Vacuum Oven LVO-B14

Vacuum oven LVO-B14 comes with 91 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Vacuum Oven LVO-B15

Vacuum oven LVO-B15 comes with 64 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Vacuum Oven LVO-B16

Vacuum oven LVO-B16 comes with 32 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. The vacuum degree controlled by full-automatic electromagnetism valve which make the degree control more exact. Designed with vacuum pump as standard accessory and LCD digital display to observe temperature. The outer of the oven is made using stainless steel sheets that are enamel and painted to prevent from corrosion. Designed for drying of materials that are heat sensitive, reactive with oxidation reactions, prone to contamination due to excess water level. For the rapid drying of the materials, the controlled atmosphere can be created using the inert gases.

Features :

- Designed with vacuum pump as standard accessory
- Vacuum control ranges from 20 Pa to 9999 Pa
- Vacuum display ranges from 1 Pa to 9999 Pa
- Vacuum accuracy is 1Pa
- Independent temperature controlling shelves
- Microprocessor controller with timing function
- Designed with LCD vacuum degree window and Programmable vacuum cycle
- Adopts the digital technique of simulated engineering to control vacuum degree
- Dual layer tempered glass door for clear observation
- Chamber is made up of Stainless steel material
- Minimum heating time 50 % less than traditional vacuum oven
- Equipped with Fully automatic electromagnetism controlled vacuum
- Monitoring and timing are more accurate and stable

Application :

Vacuum Oven used for drying of thermo-sensitive, oxidative materials easily. It can be filled with inert gases for a rapid drying of some compound material.

Specifications:

Model	LVO-B10	LVO-B11
Chamber volume	913 L	431 L
Temperature range	RT+10 to 200°C	
Temperature resolution	0.1°C	
Temperature stability	±1°C	
Display	LCD Digital Display	LED Digital Display
Vacuum Pump	Yes, Standard Accessory	Yes, Standard Accessory
Vacuum Degree	133 Pa	133 Pa
Vacuum Sensor	Resistance silicon tube pressure sensor	Resistance silicon tube pressure sensor
Vacuum Control Range	10 to 10^6 Pa	10 to 10^6 Pa
Observation window	Dual layered tempered glass	Dual layered tempered glass
Chamber material	Stainless Steel 304 (1Cr18Ni9Ti)	Stainless Steel 304 (1Cr18Ni9Ti)
Shelves	5 pcs (Independent temp. control)	4 pcs (Independent temp. control)
Shelves material	Aluminum tray	Aluminum tray
Ambient temperature	5 to 40°C	5 to 40°C
Power	5600 W	3800 W
Power supply	AC 380 V, 50 Hz	AC 380 V, 50 Hz
Interior dimension (W × D × H)	750 × 1160 × 1050 mm	630 × 810 × 845 mm
Exterior dimension (W × D × H)	1400 × 1395 × 2010 mm	1000 × 1040 × 1855 mm
Packing dimension (W × D × H)	2220 × 1650 × 1300 mm	1140 × 1200 × 2030 mm
Gross weight	1014 kg	656 kg

Model	LVO-B12	LVO-B13
Chamber volume	215 L	125 L
Temperature range	RT+10 to 200°C	

Temperature resolution	0.1°C	
Temperature stability	±1°C	
Display	LCD Digital Display	LED Digital Display
Vacuum Pump	Yes, Standard Accessory	Yes, Standard Accessory
Vacuum Degree	133 Pa	133 Pa
Vacuum Sensor	Resistance silicon tube pressure sensor	Resistance silicon tube pressure sensor
Vacuum Control Range	10 to 10^6 Pa	10 to 10^6 Pa
Observation window	Dual layered tempered glass	Dual layered tempered glass
Chamber material	Stainless Steel 304 (1Cr18Ni9Ti)	Stainless Steel 304 (1Cr18Ni9Ti)
Shelves	3 pcs (Independent temp. control)	3 pcs
Shelves material	Aluminum tray	Aluminum tray
Ambient temperature	5 to 40°C	5 to 40°C
Power	2100 W	2050 W
Power supply	AC 220 V, 50 Hz	AC 220 V, 50 Hz
Interior dimension (W × D × H)	560 × 600 × 640 mm	500 × 500 × 500 mm
Exterior dimension (W × D × H)	720 × 820 × 1750 mm	660 × 640 × 1400 mm
Packing dimension (W × D × H)	920 × 860 × 1880 mm	770 × 800 × 1590 mm
Gross weight	335 kg	218 kg

Model	**LVO-B14**	**LVO-B15**
Chamber volume	91 L	64 L
Temperature range	RT+10 to 200°C	
Temperature resolution	0.1°C	
Temperature stability	±1°C	
Display	LCD Digital Display	LED Digital Display
Vacuum Pump	Yes, Standard Accessory	Yes, Standard Accessory

Vacuum Sensor	Resistance silicon tube pressure sensor	Resistance silicon tube pressure sensor
Vacuum Control Range	10 to 10^6 Pa	10 to 10^6 Pa
Observation window	Dual layered tempered glass	Dual layered tempered glass
Chamber material	Stainless Steel 304 (1Cr18Ni9Ti)	Stainless Steel 304 (1Cr18Ni9Ti)
Shelves	2 pcs (Independent temp. control)	3 pcs
Shelves material	Aluminum tray	Aluminum tray
Ambient temperature	5 to 40°C	5 to 40°C
Power	1350 W	1800 W
Power supply	AC 220 V, 50 Hz	AC 220 V, 50 Hz
Interior dimension (W × D × H)	450×450×450 mm	400×400×400 mm
Exterior dimension (W × D × H)	610 × 590 × 1350 mm	600 × 570 × 1390 mm
Packing dimension (W × D × H)	750 × 710 × 1530 mm	670 × 730 × 1450 mm
Gross weight	216 kg	179 kg

Model	**LVO-B16**
Chamber volume	32 L
Temperature range	RT+10 to 200°C
Temperature resolution	0.1°C
Temperature stability	±1°C
Display	LCD Digital Display
Vacuum Pump	Yes, Standard Accessory
Vacuum Degree	133 Pa
Vacuum Sensor	Resistance silicon tube pressure sensor
Vacuum Control Range	10 to 10^6 Pa
Observation window	Dual layered tempered glass
Chamber material	Stainless Steel 304 (1Cr18Ni9Ti)

Shelves	2 pcs
Shelves material	Aluminum tray
Ambient temperature	5 to 40°C
Power	1200 W
Power supply	AC 220 V, 50 Hz
Interior dimension (W × D × H)	320 × 320 × 320 mm
Exterior dimension (W × D × H)	550 × 490 × 1240 mm
Packing dimension (W × D × H)	760 × 640 × 1300 mm
Gross weight	145 kg