



Vacuum Oven

LVO-A12 to LVO-A18

www.labodam.com
info@labodam.com

Vacuum Oven LVO-A12

Vacuum oven LVO-A12 comes with 10 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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-A13

Vacuum oven LVO-A13 comes with 50 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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-A14

Vacuum oven LVO-A14 comes with 90 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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-A15

Vacuum oven LVO-A15 comes with 24 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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-A16

Vacuum oven LVO-A16 comes with 30 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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-A17

Vacuum oven LVO-A17 comes with 30 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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-A18

Vacuum oven LVO-A18 comes with 50 L chamber capacity and dual layer tempered glass door for clear observation of the sample during process. Designed with vacuum pump as optional accessory and LED 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 optional accessory
- ❑ Independent temperature controlling shelves
- ❑ PID controller system with over temperature alarm and timing function ensures precise and reliable Control
- ❑ Microprocessor controller with timing function
- ❑ Designed with LED Display

- ❑ Dual layer tempered glass door for clear observation
- ❑ Chamber is made up of Stainless steel material
- ❑ Minimum heating time 40 % less than traditional vacuum oven
- ❑ Equipped Door adjustment system with silicon door gasket ensures better vacuity
- ❑ 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-A12	LVO-A13
Chamber volume	10 L	50 L
Temperature range	RT+10 to 200°C	
Temperature resolution	0.1°C	
Temperature stability	±1°C	
Display	LED Display	LED Display
Vacuum Pump	No, offered as Optional Accessory	No, offered as Optional Accessory
Vacuum Degree	133 Pa	133 Pa
Observation window	Dual layered tempered glass	Dual layered tempered glass
Chamber material	Stainless Steel 304	Stainless Steel 304
Shelves	2 pcs	3 pcs
Shelves material	Aluminum tray	Aluminum tray
Ambient temperature	5 to 40°C	5 to 40°C
Power	400 W	1450 W
Power supply	AC 220 V, 50 Hz	AC 220 V, 50 Hz
Interior dimension (W × D × H)	220 × 210 × 220 mm	415 × 370 × 345 mm
Exterior dimension (W × D × H)	500 × 375 × 410 mm	730 × 560 × 550 mm
Packing dimension (W × D × H)	600 × 530 × 590 mm	640 × 810 × 720 mm
Gross weight	40 kg	96 kg

Vacuum Oven LVO-A12 to LVO-A18

Model	LVO-A14	LVO-A15
Chamber volume	90 L	24 L
Temperature range	RT+10 to 200°C	
Temperature resolution	0.1°C	
Temperature stability	±1°C	
Display	LED Display	LED Display
Vacuum Pump	No, offered as Optional Accessory	No, offered as Optional Accessory
Vacuum Degree	133 Pa	133 Pa
Observation window	Dual layered tempered glass	Dual layered tempered glass
Chamber material	Stainless Steel 304	Stainless Steel 304
Shelves	2 pcs	1 pcs
Shelves material	Aluminum tray	Aluminum tray
Ambient temperature	5 to 40°C	5 to 40°C
Power	870 W	700 W
Power supply	AC 220 V, 50 Hz	AC 220 V, 50 Hz
Interior dimension (W × D × H)	450 × 450 × 450 mm	300 × 300 × 275 mm
Exterior dimension (W × D × H)	740 × 610 × 591 mm	605 × 490 × 450 mm
Packing dimension (W × D × H)	880 × 760 × 910 mm	680 × 560 × 620 mm
Gross weight	169 kg	56 kg

Model	LVO-A16	LVO-A17
Chamber volume	30 L	30 L
Temperature range	RT+10 to 200°C	RT+10 to 65°C
Temperature resolution	0.1°C	0.1°C
Temperature stability	±1°C	±1°C
Display	LED Display	LED Display
Vacuum Pump	No, offered as Optional Accessory	No, offered as Optional Accessory

Vacuum Oven LVO-A12 to LVO-A18

Vacuum Degree	133 Pa	133 Pa
Observation window	Dual layered tempered glass	Dual layered tempered glass
Chamber material	Stainless Steel 316	Stainless Steel 304
Shelves	1 pcs	1 pcs
Shelves material	Aluminum tray	Aluminum tray
Ambient temperature	5 to 40°C	5 to 40°C
Power	550 W	300 W
Power supply	AC 220 V, 50 Hz	AC 220 V, 50 Hz
Interior dimension (W × D × H)	320 × 320 × 300 mm	320 × 320 × 300 mm
Exterior dimension (W × D × H)	630 × 510 × 490 mm	610 × 510 × 490 mm
Packing dimension (W × D × H)	710 × 580 × 650 mm	710 × 580 × 650 mm
Gross weight	65 kg	65 kg

Model	LVO-A18
Chamber volume	50 L
Temperature range	RT+10 to 65°C
Temperature resolution	0.1°C
Temperature stability	±1°C
Display	LED Display
Vacuum Pump	No, offered as Optional Accessory
Vacuum Degree	133 Pa
Observation window	Dual layered tempered glass
Chamber material	Stainless Steel 304
Shelves	2 pcs
Shelves material	Aluminum tray
Ambient temperature	5 to 40°C
Power	650 W
Power supply	AC 220 V, 50 Hz
Interior dimension (W × D × H)	415 × 370 × 345 mm

Exterior dimension (W × D × H)	730 × 560 × 550 mm
Packing dimension (W × D × H)	640 × 810 × 720 mm
Gross weight	96 kg

Optional Accessories:

Accessories no.	Name
1	KF25 Vacuum Port
2	LED lights on the door
3	Inert gas valve