

LABdex

Benchtop Vacuum Oven LX700BVOA Series



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Benchtop Vacuum Oven LX700BVOA Series

Benchtop Vacuum Oven LX700BVOA series are benchtop vacuum ovens with two different heating methods: shelf heating and surrounding heating. The Dynamic self-diagnostic control technology helps to prevent any failures or damage to the equipment as well as makes detection easy.

Features

- ❖ Stainless steel working chamber and powder coated steel housing
- ❖ Shelf heating: each shelf can be heated independently
- ❖ Surrounding heating: chamber is heated on 4 sides
- ❖ Dual-layer toughened glass window on the front door
- ❖ Adjustable door locking tightness
- ❖ Closed-cell silicon gasket ensuring high vacuum degree
- ❖ Temperature controller with high-speed, high-performance CPU chip
- ❖ High-sensitivity and high precision Pt resistance sensor
- ❖ Preset programmed control with timing range up to 99 hours for power-on/off and working
- ❖ Multiple alarms for sensor failure, high/low temperature deviation, over temperature
- ❖ Can store the parameters given in the memory
- ❖ Temperature display calibration
- ❖ Vacuum oil backflow proof

Applications

Applicable to such tests as drying heat treatment of articles under vacuum conditions in scientific research, medical, and industry, especially for the drying of material which is thermo-sensitive or de-compounded and oxidative easily.

Specifications

Model No.	LX700BVOA	LX701BVOA
Chamber Volume	25L	50L
Temperature Control Range	Room Temperature +10°C~200°C	Room Temperature +10°C~250°C
Temperature Accuracy	±2°C at 100°C	±2°C at 100°C
Temperature Fluctuation	±1°C	±1°C
Timer Range	1min-99hr	1min-99hr
Internal Dimensions	300*300*275 mm	415*370*345 mm
External Dimensions	590*420*460 mm	710*510*530 mm
Vacuum Degree	60Pa	60Pa
Heating Method	Shelf Heating	Surrounding Heating
Net Weight	33kg	71kg
Power consumption	250W	1300W
Shelf Quantity (std. /max.)	1/1 pc	2/2 pcs
Power Supply	220V/50Hz	220V/50Hz

Optional

- ❖ Independent temperature control and alarming system to provide dual protections and stop working in case of over-temperature
- ❖ Inert gas interface and inert gas flow meter
- ❖ Digital vacuum meter
- ❖ Vacuum pump (2L/sec, 7/16-20UNF-2B connector)

Benchtop Vacuum Oven LX700BVOB Series

Benchtop Vacuum Oven LX700BVOB series are benchtop vacuum ovens with two different heating methods: shelf heating and surrounding heating. The Dynamic self-diagnostic control technology helps to prevent any failures or damage to the equipment as well as makes detection easy.

Features

- ❖ 10-segment temperature control program to realize temperature curve program running
- ❖ Stainless steel working chamber and powder coated steel housing
- ❖ Shelf heating: each shelf can be heated independently
- ❖ Surrounding heating: chamber is heated on 4 sides
- ❖ Dual-layer toughened glass window on the front door
- ❖ Adjustable door locking tightness
- ❖ Closed-cell silicon gasket ensuring high vacuum degree
- ❖ Temperature controller with high-speed, high-performance CPU chip
- ❖ High-sensitivity and high precision Pt resistance sensor
- ❖ Preset programmed control with timing range up to 99 hours for power-on/off and working
- ❖ Multiple alarms for sensor failure, high/low temperature deviation, over temperature
- ❖ Can store the parameters given in the memory
- ❖ Temperature display calibration
- ❖ Vacuum oil backflow proof

Applications

Applicable to such tests as drying heat treatment of articles under vacuum conditions in scientific research, medical, and industry, especially for the drying of material which is thermo-sensitive or de-compounded and oxidative easily.

Specification

Model No.	LX700BVOB	LX701BVOB
Chamber Volume	25L	50L
Temperature Control Range	Room Temperature +10°C~200°C	Room Temperature +10°C~250°C
Temperature Accuracy	±2°C at 100°C	±2°C at 100°C
Temperature Fluctuation	±1°C	±1°C
Timer Range	1min-99hr	1min-99hr
Internal Dimensions	300*300*275 mm	415*370*345 mm
External Dimensions	590*420*460 mm	710*510*530 mm
Vacuum Degree	60Pa	60Pa
Heating Method	Shelf Heating	Surrounding Heating
Net Weight	33kg	71kg
Power consumption	250W	1300W
Shelf Quantity (std. /max.)	1/1 pc	2/2 pcs
Power Supply	220V/50Hz	220V/50Hz

Optional

- ❖ Independent temperature control and alarming system to provide dual protections and stop working in case of over-temperature
- ❖ Inert gas interface and inert gas flow meter
- ❖ Digital vacuum meter
- ❖ Vacuum pump (2L/sec, 7/16-20UNF-2B connector)