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# OVEN



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## DRYING OVEN LFDO-100 SERIES

Labocon Drying Oven LFDO-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Door with double-layer tempered glass observation window
- Adjustable air-tight buckle lock and silicone rubber seal ensures tight sealing and prevents heat loss
- Forced air circulation system ensures temperature uniformity
- Microcomputer PID intelligent temperature controller with digital display
- Over temperature protection and timing function

### Application

Labocon Drying Oven is suitable for drying, melting and sterilization in industrial and mining fields, laboratories and scientific research institutes.



*Drying Oven LFDO-100*

## Specification

Model	LFDO-101	LFDO-102	LFDO-103	LFDO-104
Capacity	45 L	71 L	136 L	210 L
Temp. Range	RT+20-250°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.1°C			
Temp. Uniformity	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	1-9999min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	350x350x350 mm	450x450x350 mm	550x550x450 mm	550x500x750 mm
Overall Dimension	740x620x700 mm	860x640x800 mm	960x730x900 mm	1150x830x1190 mm
Power	1200 W	1600 W	2000 W	4000 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	44/56 kg	54/66 kg	58/79 kg	110/140 kg
Catalog No.	9221149202	9221150202	9221151202	9221152202

## DRYING OVEN LFDO-200 SERIES

Labocon Drying Oven LFDO-200 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- Mirror finished stainless steel interior and cold-rolling steel with static spray plastics exterior
- Door with the inner observation door
- Door with nanophase material magnetic seal strips prevents heat loss
- Air duct and circulatory system ensures temperature uniformity
- High quality, low-noise centrifugal fan ensures the temperature uniformity
- Microcomputer intelligent control with LCD display
- Data can be stored and recovered on power or system failure
- Programmable design can set 10 segments
- Over-temperature alarm function with timer function
- RS-485 Interface
- Optional: Preset function

### Application

Labocon Drying Oven is suitable for drying, melting and sterilization in industrial and mining fields, laboratories and scientific research institutes.



*Drying Oven LFDO-200*

## Specification

Model	LFDO-201	LFDO-202	LFDO-203	LFDO-204
Capacity	43 L	81 L	81 L	137 L
Temp. Range	RT+5-250°C		RT+5-300°C	RT+5-250°C
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.5°C			
Temp. Uniformity	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	0~99h 60 min			
Shelves	2			3
Load per Shelf	15 kg			
Inner Dimension	350x350x350 mm	450x400x450 mm	450x400x450 mm	550x500x550 mm
Overall Dimension	640x485x545 mm	740x530x630 mm	740x530x630 mm	840x630x735 mm
Power	550	900	1200	1100
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	34/42 kg	45/59 kg	48/62 kg	62/80 kg
Catalog No.	9221153127	9221154127	9221155127	9221156127

Model	LFDO-205	LFDO-206	LFDO-207
Capacity	151 L	247 L	247 L
Temp. Range	RT+5-300°C	RT+5-250°C	RT+5-300°C
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±0.5°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	0~99h 60 min		
Shelves	3		
Load per Shelf	15 kg		
Inner Dimension	550x500x550 mm	600x550x750 mm	600x550x750 mm
Overall Dimension	840x630x735 mm	890x670x935 mm	890x670x935 mm
Power	1800	1500	2400
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	62/80 kg	88/110 kg	
Catalog No.	9221157127	9221158127	9221159127

## DRYING OVEN LFDO-300 SERIES

Labocon Drying Oven LFDO-300 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Wide hollow tempered glass observation window
- Adjustable air-tight buckle lock and silicone rubber seal ensures tight sealing and prevents heat loss
- Easy to assemble and disassemble air duct lateral plate and bottom heater cover
- Air blower-heater and vertical hot air circulation system ensures temperature uniformity
- Microcomputer PID intelligent temperature controller with LCD display
- Over temperature protection and timing function
- Optional
  - Multi-staged temperature controller
  - Long-distance control system
  - RS-485 interface

### Application

Labocon Drying Oven is suitable for drying, melting and sterilization in industrial and mining fields, laboratories and scientific research institutes.



*Drying Oven LFDO-300*

## Specification

Model	LFDO-301	LFDO-301	LFDO-303
Capacity	30 L	45 L	65 L
Temp. Range	RT+5-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	310x310x310 mm	350x350x350 mm	400x360x450 mm
Overall Dimension	450x490x685 mm	490x530x730 mm	540x540x830 mm
Power	800 W	1200 W	1600 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	33/40 kg	37/45 kg	44/54 kg
Catalog No.	9221160202	9221161202	9221162202

Model	LFDO-304	LFDO-305	LFDO-306
Capacity	125 L	230 L	625 L
Temp. Range	RT+5-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	25 kg		
Inner Dimension	500x450x550 mm	600x500x750 mm	660x760x1250 mm
Overall Dimension	640x630x930 mm	730x670x1220 mm	890x880x1820 mm
Power	2300 W	3000 W	5000 W
Power Supply	220 V, 60 Hz		380 V, 50 Hz
Weight (Net/Gross)	60/72 kg	94/120 kg	120/160 kg
Catalog No.	9221163202	9221164202	9221165202

## DRYING OVEN ADVANCED LFDOA-100 SERIES

Labocon Drying Oven Advanced LFDOA-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- Stainless steel with polishing finished inner chamber and steel plate SS 41 with powder heating coated exterior
- Silicon rubber sealing and powerful lock device minimizes heat leakage
- Heater Control: SSR Contactless Control
- PID Microprocessor temperature and timer controller
- Membrain touch type control panel
- Digital counter timer and over temperature protection
- Automatic reset function incoming power cut
- Buzzer on when set time arrived
- Fan motor over load protection
- Optional
  - Programmable design for 30 segments
  - Programmable design for 20 segments
  - Recorder

### Application

Labocon Drying Oven is suitable for drying, melting and sterilization in industrial and mining fields, laboratories and scientific research institutes.



*Drying Oven LFDOA-100*



## Specification

Model	LFDOA-101	LFDOA-102	LFDOA-103	LFDOA-104	LFDOA-105
Capacity	54 L	100 L	150 L	250 L	360 L
Temp. Range	Ambient +5-250°C				
Ambient Temp.	5-40°C				
Temp. Accuracy	±1°C				
Temp. Fluctuation	0.1°C				
Temp. Uniformity	±1.0°C at 120°C				
Temp. Resolution	0.1°C				
Timer Range	0-99h 59min				
Shelves	2				
Load per Shelf	30 kg				
Inner Dimension	380x340x420 mm	480x400x530 mm	555x450x600 mm	700x450x800 mm	600x600x1000 mm
Overall Dimension	499x602x748 mm	599x672x858 mm	674x722x928 mm	819x722x1128 mm	772x900x1385 mm
Power	800 W	1500 W	2000 W	3000 W	4000 W
Power Supply	220 V, 60 Hz				
Weight (Net/Gross)	45/47 kg	65/68 kg	75/78 kg	107/197 kg	137/247 kg
Catalog No.	9221166470	9221167470	9221168470	9221169470	9221170470

Model	LFDOA-106	LFDOA-107	LFDOA-108	LFDOA-109	LFDOA-110
Capacity	546 L	864 L	1152 L	2250 L	3612 L
Temp. Range	Ambient +5-250°C				
Ambient Temp.	5-40°C				
Temp. Accuracy	±1°C				
Temp. Fluctuation	0.1°C				
Temp. Uniformity	±1.0°C at 120°C	±3.0°C at 100°C	±4.0°C at 100°C		
Temp. Resolution	0.1°C				
Timer Range	0-99h 59min				
Shelves	2	3	3	6	6
Load per Shelf	30 kg				
Inner Dimension	700x650x1200 mm	900x800x1200 mm	1200x800x1200 mm	1600x930x1500 mm	2150x1120x1500 mm
Overall Dimension	872x959x1585 mm	1160x960x1890 mm	1460x910x1948 mm	1886x1084x2260 mm	2750x1314x2260 mm
Power	5000 W	7000 W	9000 W	1800 W	2300 W
Power Supply	380 V, 60 Hz				
Weight (Net/Gross)	189/309 kg	302/472 kg	413/613 kg	594/944 kg	838/1438 kg
Catalog No.	9221171470	9221172470	9221173470	9221174470	9221175470

### DRYING OVEN LFCO-100 SERIES

Labocon Forced Convection Oven LFCO-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

#### Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Wide hollow tempered glass observation window
- Adjustable air-tight buckle lock and silicone rubber seal ensures tight sealing and prevents heat loss
- Easy to assemble and disassemble air duct lateral plate and bottom heater cover
- Air blower-heater and vertical hot air circulation system ensures temperature uniformity
- Microcomputer PID intelligent temperature controller with LCD display
- Independent temperature safety device
- Over temperature protection and timing function
- Optional
- Multi-staged temperature controller
- Long-distance control system
- RS-485 interface



*Forced Convection Oven LFCO-100*



*Forced Convection Oven LFCO-100*

## Application

Labocon Forced Convection Oven is suitable for drying, melting and sterilization in industrial and mining fields, laboratories and scientific research institutes.

## Specification

Model	LFCO-101	LFCO-102	LFCO-103
Capacity	30 L	45 L	65 L
Temp. Range	RT+5-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	310x310x310 mm	350x350x350 mm	400x360x450 mm
Overall Dimension	450x490x685 mm	490x530x730 mm	540x540x830 mm
Power	800 W	1200 W	1600 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	33/40 kg	37/45 kg	44/54 kg
Catalog No.	9221135202	9221136202	9221137202

Model	LFCO-104	LFCO-105	LFCO-106
Capacity	125 L	230 L	625 L
Temp. Range	RT+5-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg	25 kg	
Inner Dimension	500x450x550 mm	600x500x750 mm	660x760x1250 mm
Overall Dimension	640x630x930 mm	730x670x1220 mm	890x880x1820 mm
Power	2300 W	3000 W	5000 W
Power Supply	220 V, 60 Hz		380 V, 60 Hz
Weight (Net/Gross)	60/72 kg	94/120 kg	120/160 kg
Catalog No.	9221138202	9221139202	9221140202

### Forced Convection Oven Advanced LFCOA-100 Series

Labocon Forced Convection Oven LFCO-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- Stainless steel SUS 304 inner chamber with powder painted exterior
- Tempered glass observation window
- Vertical air circulation system ensures temperature uniformity
- Casters for easy handling
- Rock Wool Fiber insulation prevents heat loss
- Temperature Sensor: K-TYPE
- Double overheat temperature protector

### Application

Labocon Forced Convection Oven is suitable for drying, curing, melting and heating in industries, scientific research institutions and health and medical laboratories.



*Forced Convection Oven LFCOA-100*

## Specification

Model	LFCOA-101	LFCOA-102	LFCOA-103	LFCOA-104
Capacity	80 L	150 L	270 L	480 L
Temp. Range	RT+5-210°C		RT+5-210°C	
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±1°C			
Temp. Uniformity	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	99h 99min			
Shelves	2		4	
Load per Shelf	15 kg			
Inner Dimension	500x400x400 mm	600x500x500 mm	600x500x900 mm	800x600x1000 mm
Overall Dimension	600x510x720 mm	700x660x820 mm	780x620x152 mm	980x720x162 mm
Power	1200 W	1600 W	4000 W	
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	47/50 kg	73/77 kg	130/150 kg	200/230 kg
Catalog No.	9221141584	9221142584	9221143584	9221144584

Model	LFCOA-105	LFCOA-106	LFCOA-107	LFCOA-108
Capacity	600 L	720 L	1008 L	2160 L
Temp. Range	40-200°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±1°C			
Temp. Uniformity	±1°C			
Temp. Resolution	±0.1°C			
Timer Range	99h 99min			
Shelves	4			
Load per Shelf	15 kg			
Inner Dimension	1000x600x1000 mm	1200x600x1000 mm	1400x600x1000 mm	1800x1000x1200 mm
Overall Dimension	1250x750x1580 mm	1450x750x1580 mm	1650x750x1580 mm	2000x1200x1980 mm
Power	600 W	720 W	1008 W	2160 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	230/250 kg	240/260 kg	250/270 kg	280/290 kg
Catalog No.	9221145584	9221146584	9221147584	9221148584

## LABOCON GENERAL PURPOSE OVEN LGPO-100 SERIES

Labocon General Purpose Ovens LGPO-100 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- High quality stainless steel inner chamber with electrostatic spray treated exterior
- Easy to clean semicircular corners with adjustable shelves
- Silicon rubber sealing ring prevents heat loss
- Large observation window
- Forced air convection maintains temperature uniformity
- Micro-computer intelligent control system with LED display
- Over temperature alarm with timer

### Application

Labocon General Purpose Oven is suitable for drying, conditioning, preheating, and curing in pharmaceutical industry, food plants, medical and research institutes, etc.



*General Purpose Oven LGPO-100*

## Specification

Model	LGPO-101	LGPO-102	LGPO-103	LGPO-104
Capacity	42 L	70 L	136 L	225 L
Temp. Range	RT+5-250°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1 °C			
Temp. Fluctuation	±1 °C			
Temp. Uniformity	±1 °C			
Temp. Resolution	±1 °C			
Timer Range	0-999 min			
Shelves	2			
Load per Shelf	10kg			
Inner Dimension	350×350×350 mm	450×450×350 mm	550×550×450 mm	750×600×500 mm
Overall Dimension	530×640×550 mm	630×740×550 mm	750×890×630 mm	980×965×770 mm
Power	1000 W	1200 W	1600 W	2500 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	35/48 kg	45/75 kg	60/90 kg	93/130 kg
Catalog No.	9221101301	9221102301	9221103301	9221104301

## LABOCON GENERAL PURPOSE OVEN LGPO-200 SERIES

Labocon General Purpose Oven LGPO-200 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- High quality cold rolled steel sheet exterior and stainless steel SUS304 inner chamber
- Silicon rubber sealing ring prevents heat loss
- Heat insulating material: PU FOAM + Glass fiber cotton
- Forced air convection maintains temperature uniformity
- Non-condensation observation window with light
- Microprocessor Digital controller
- Temperature Sensor: PT100
- Noise level:  $\leq 65$  dB
- Over-load, over heat, over-current and short-circuit protection

### Application

Labocon General Purpose Oven is suitable for drying, conditioning, preheating, and curing in pharmaceutical industry, food plants, medical and research institutes, etc.





## Specification

Model	LGPO-201	LGPO-202	LGPO-203	LGPO-204
Capacity	23 L	34 L	51 L	70 L
Temp. Range	RT +10-250°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±0.1°C			
Temp. Fluctuation	0.5°C			
Temp. Uniformity	2.0°C			
Temp. Resolution	0.1°C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	300x300x270 mm	340x320x320 mm	420x350x350 mm	400x350x500 mm
Overall Dimension	500x450x440 mm	620x530x490 mm	700x520x525 mm	550x545x770 mm
Power	750 W			1050 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	36/39 kg	41/45 kg	50/ 56 kg	54/59 kg
Catalog No.	9221105485	9221106485	9221107485	9221108485

Model	LGPO-205	LGPO-206	LGPO-207	LGPO-208
Capacity	105 L	136 L	198 L	225 L
Temp. Range	RT +10-250°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±0.1°C			
Temp. Fluctuation	0.5°C			
Temp. Uniformity	2.0°C			
Temp. Resolution	0.1°C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	550x350x550 mm	450x550x550 mm	800x600x1300 mm	1000x600x1600 mm
Overall Dimension	840x530x730 mm	600x710x845 mm	600x550x600 mm	500x600x750 mm
Power	1500 W		2000 W	2100 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	76/85 kg	66/75 kg	90/98 kg	94/115 kg
Catalog No.	9221109485	9221110485	9221111485	9221112485

Model	LGPO-209	LGPO-210	LGPO-211
Capacity	390 L	624 L	960 L
Temp. Range	RT +10-250°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±0.1°C		
Temp. Fluctuation	0.5°C		
Temp. Uniformity	2.0°C		
Temp. Resolution	0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	600x500x1300 mm	800x600x1300 mm	1000x600x1600 mm
Overall Dimension	745x750x1670 mm	985x800x1690mm	1140x800x1960 mm
Power	4000 W	4500 W	6000 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	150/165 kg	166/190 kg	190/220 kg
Catalog No.	9221113485	9221114485	9221115485



## LABOCON GENERAL PURPOSE OVEN LGPO-300 SERIES

Labocon General Purpose Oven LGPO-300 Series delivers temperature uniformity regulated by microcomputer intelligent control. The PID program delivers fast ramping rate, temperature homogeneity and stability during operation.

### Features

- Stainless steel inner chamber and cold rolling steel electrostatic spraying exterior
- Easy to clean semicircular corners with adjustable shelves
- Door with wide double-glass observation window and adjustable air-tight buckle lock
- Silicon rubber sealing ring prevents heat loss
- Forced air convection maintains temperature uniformity
- Micro-computer intelligent PID control system with LCD display
- Two independent temperature safety device, auto alarm and heating suspension incase of failure of main controller
- Automatic switch-off timer
- Can be connected to printer
- Optional
  - Intelligent programmable temperature controller (LCD)
  - Printer

### Application

Labocon General Purpose Oven is suitable for drying, conditioning, preheating, and curing in pharmaceutical industry, food plants, medical and research institutes, etc.



## Specification

Model	LGPO-301	LGPO-302	LGPO-303	LGPO-304	LGPO-305
Capacity	30 L	45 L	65 L	125 L	230 L
Temp. Range	RT+5-300°C				
Ambient Temp.	5-40°C				
Temp. Accuracy	±1°C				
Temp. Fluctuation	±1°C				
Temp. Uniformity	±0.1°C				
Temp. Resolution	±0.1°C				
Timer Range	1-9999min				
Shelves	2				
Load per Shelf	15 kg				
Inner Dimension	310x310x310 mm	350x350x350 mm	400x360x450 mm	500x450x550 mm	600x500x750 mm
Overall Dimension	400x510x695 mm	500x550x735 mm	550x550x840 mm	636x680x915 mm	730x670x1220 mm
Power	800 W	1000 W	1600 W	2300 W	3000 W
Power Supply	220 V, 60 Hz				
Weight (Net/Gross)	33/40 kg	37/45 kg	44/54 kg	60/72 kg	94/120 kg
Catalog No.	9221116202	9221117202	9221118202	9221119202	9221120202

### HIGH PERFORMANCE OVEN LHPO-100 SERIES

Labocon High Performance Oven LHPO-100 Series are engineered to meet most critical temperature requirements. With sturdy construction and efficient insulation they prove to be highly safe and stable in operation.

#### Features

- High quality cold rolled steel sheet exterior and stainless steel SUS304 inner chamber
- Silicon rubber sealing ring prevents heat loss
- Heat insulating material: PU FOAM + Glass fiber cotton
- Forced air convection maintains temperature uniformity
- Non-condensation observation window with light
- Microprocessor Digital controller
- Temperature Sensor: PT100
- Noise level:  $\leq 65$  dB
- Over-load, over heat, over-current and short-circuit protection

#### Application

Labocon High Performance Oven is suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.



*High Performance Oven LHPO-100*



## HIGH PERFORMANCE OVEN

Model	LHPO-101	LHPO-102	LHPO-103	LHPO-104
Capacity	70 L	136.1 L	225 L	429 L
Temp. Range	RT+10-300°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.5°C			
Temp. Uniformity	±2.0°C			
Temp. Resolution	±0.1°C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	400×350×500 mm	450×550×550 mm	500×600×750 mm	600×550×1300 mm
Overall Dimension	600×550×755 mm	600×710×850 mm	650×755×1045 mm	745×750×1670 mm
Power	1240 W	1740 W	2500 W	4500 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	54/58 kg	66/73 kg	94/118 kg	150/162 kg
Catalog No.	9221176485	9221177485	9221178485	9221179485

Model	LHPO-105	LHPO-106	LHPO-107
Capacity	624 L	640 L	960 L
Temp. Range	RT+10-300°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±0.5°C		
Temp. Uniformity	±2.0°C		
Temp. Resolution	±0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	800×600×1300 mm	800×800×1000 mm	1000×600×1600 mm
Overall Dimension	945×800×1690 mm	980×1030×1310 mm	1140×800×2150 mm
Power	4800 W	5000 W	6500 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	166/193 kg	173/198 kg	190/228 kg
Catalog No.	9221180485	9221181485	9221182485



## HIGH PERFORMANCE OVEN

### HIGH PERFORMANCE OVEN LHPO-200 SERIES

Labocon High Performance Oven LHPO-200 Series are engineered to meet most critical temperature requirements. With sturdy construction and efficient insulation they prove to be highly safe and stable in operation.

#### Features

- High quality cold rolled steel sheet exterior and stainless steel SUS304 inner chamber
- Silicon rubber sealing ring prevents heat loss
- Heat insulating material: PU FOAM + Glass fiber cotton
- Forced air convection maintains temperature uniformity
- Non-condensation observation window with light
- Microprocessor Digital controller
- Temperature Sensor: PT100
- Noise level:  $\leq 65$  dB
- Over-load, over heat, over-current and short-circuit protection

#### Application

Labocon High Performance Oven is suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.





## HIGH PERFORMANCE OVEN

Model	LHPO-201	LHPO-202	LHPO-203	LHPO-204
Capacity	49 L	91.1 L	112.5 L	216 L
Temp. Range	100-400°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.5°C			
Temp. Uniformity	±2.0°C			
Temp. Resolution	±0.1°C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	350x350x400 mm	450x450x450 mm	450x500x500 mm	600x600x600 mm
Overall Dimension	540x660x615 mm	620x745x645 mm	600x710x845 mm	650x750x750 mm
Power	2000 W	3000 W	3300 W	3500 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	50/54 kg	54/63 kg	66/74 kg	142/166 kg
Catalog No.	9221183485	9221184485	9221185485	9221186485





## HIGH PERFORMANCE OVEN

### HIGH PERFORMANCE OVEN LHPO-300 SERIES

Labocon High Performance Oven LHPO-300 Series are engineered to meet most critical temperature requirements. With sturdy construction and efficient insulation they prove to be highly safe and stable in operation.

#### Features

- High quality cold rolled steel sheet exterior and stainless steel SUS304 inner chamber
- Non-condensation observation window with light
- Silicon rubber sealing ring prevents heat loss
- Heat insulating material: PU FOAM + Glass fiber cotton
- Forced air convection maintains temperature uniformity
- Non-condensation observation window with light
- Microprocessor Digital controller
- Temperature Sensor: PT100
- Noise level:  $\leq 65$  dB
- Over-load, over heat, over-current and short-circuit protection

#### Application

Labocon High Performance Oven is suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.





## HIGH PERFORMANCE OVEN

### Specification

Model	LHPO-301	LHPO-302	LHPO-303	LHPO-304
Capacity	49 L	91.1 L	112.5 L	216 L
Temp. Range	100-500°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.5°C			
Temp. Uniformity	±2.0°C			
Temp. Resolution	±0.1°C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	350x350x400 mm	450x450x450 mm	450x500x500 mm	600x600x600 mm
Overall Dimension	540x660x615 mm	620x745x645 mm	600x710x845 mm	650x750x750 mm
Power	3000 W	4000 W	4300 W	4500 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	50/54 kg	54/63 kg	66/74 kg	142/166 kg
Catalog No.	9221187485	9221188485	9221189485	9221190485



## HIGH PERFORMANCE OVEN

### HIGH PERFORMANCE OVEN ADVANCED LHPOA-100 SERIES

Labocon High Performance Oven Advanced LHPOA-400 Series are engineered to meet most critical temperature requirements. With sturdy construction and efficient insulation they prove to be highly safe and stable in operation.

#### Features

- Stainless steel with polishing finished inner chamber and steel plate SS 41 with powder heating coated exterior
- Silicon rubber sealing and powerful lock device minimizes heat leakage
- Heater Control: SSR Contactless Control
- PID Microprocessor temperature and timer controller
- Membrain touch type control panel
- Digital counter timer and over temperature protection
- Automatic reset function incoming power cut
- Buzzer on when set time arrived
- Fan motor over load protection
- Optional
  - Programmable design for 30 segments
  - Programmable design for 20 segments
  - Recorder



*High Performance Oven LHPOA-100*

#### Application

Labocon High Performance Oven is suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.



## HIGH PERFORMANCE OVEN

### Specification

Model	LHPOA-101	LHPOA-102	LHPOA-103	LHPOA-104
Capacity	91	150	91	150
Temp. Range	Max 350°C		Max 500°C	
Ambient Temp.	5-40°C			
Temp. Accuracy	±0.1°C			
Temp. Fluctuation	0.1°C			
Temp. Uniformity	±4.5°C at 250°C		±7.0°C at 400°C	
Temp. Resolution	0.1°C			
Timer Range	0-99 h 59 min			
Shelves	2			
Load per Shelf	30 kg			
Inner Dimension	450x450x450 mm	500x500x600 mm	450x450x450 mm	500x500x600 mm
Overall Dimension	630x660x990 mm	680x710x1140 mm	1180x700x897 mm	1280x750x1047 mm
Power	2600 W	3000 W	4200 W	5600 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	83/133 kg	97/152 kg	203/303 kg	236/341 kg
Catalog No.	9221191470	9221192470	9221193470	9221194470

## HOT AIR OVEN LHAO-100 SERIES

### LABOCON HOT AIR OVEN LHAO-100 SERIES

Labocon Hot Air Oven LHAO-100 Series is an ideal choice for quick and efficient sterilization. It makes optimal use of dry heat to sanitize and helps in effective sample, instrument or glassware sterilization.

#### Features

- Stainless steel inner chamber and powder coated exterior
- Double wall construction with glass observation window
- Fiberglass insulation between inner and outer walls
- Silicon rubber door sealing prevents heat loss
- Forced convection system with the adjustable air vents provides excellent uniformity
- Microprocessor PID Temperature Control with LED digital display
- Simple keypad input allows easy temperature setting
- Visual over temperature alarm indicator
- Optional: Shelves

#### Application

Labocon Hot Air Oven is suitable for various applications in the fields of agricultural, medical and industrial research, laboratories, hospitals and industries.



## HOT AIR OVEN LHAO-100 SERIES

Model	LHAO-101	LHAO-102	LHAO-103	LHAO-104	LHAO-105
Capacity	30 L	50 L	80 L	150 L	300 L
Temp. Range	Ambient +5-200°C				
Temp. Accuracy	±0.5°C (at 100°C) ±1°C (at 200°C)				
Temp. Fluctuation	± 2°C				
Temp. Uniformity	±2°C (at 100°C) ±3.5°C (at 200°C)				±4°C (at 100°C) ±6°C (at 200°C)
Temp. Resolution	0.1°C				
Timer Range	None				
Shelves	2				
Load per Shelf	5 kg				
Inner Dimension	325x310x315 mm	380x365x390 mm	420x450x463 mm	625x510x500 mm	625x510x1000 mm
Overall Dimension	425x420x610 mm	480x475x695 mm	522x560x770 mm	725x620x795 mm	725x620x1465 mm
Power	700 W	1000 W	1250 W	1400 W	2500 W
Power Supply	220 V, 60 Hz				
Weight (Net/ Gross)	22.5/24.5 kg	29.5/31.5 kg	40/42 kg	60/62 kg	100/120 kg
Catalog No.	9221212162	9221213162	9221214162	9221215162	9221216162

## HOT AIR OVEN LHAO-100 SERIES

### LABOCON HOT AIR OVENS LHAO-200 SERIES

Labocon Hot Air Oven LHAO-200 series makes optimal use of dry heat to effectively sterilize samples, instruments or glassware. The heavy-gauge glass fibre insulation prevents heat loss and maximizes energized efficiency.

#### Features

- High quality stainless steel inner chamber with powder coated exterior
- Double wall construction for durability and good heat retention
- High quality powder coating ensures scratch free and corrosion free surface
- Forced convection system provides excellent uniformity
- Adjustable fresh air inlet port at bottom and top providing for air control
- LED digital set and display for Power, Heating, PV, SV, Alarm, Timer
- Functional preheating timer in case of decrease in chamber temperature by 2°C than the actual set point
- Over temperature alarm and shutout device to 10°C above the set point
- Power cut protection prevents sterilizer from excessive heating after 220°C in case of primary control failure
- Audio and visible alarm
- Automatic storage of memory in case of halting of instrument or due to opening of the door

#### Application

Labocon Hot Air Oven is suitable for various applications in the fields of agricultural, medical and industrial research, laboratories, hospitals and industries.



# HOT AIR OVEN LHAO-100 SERIES

## Specification

Model	LHAO-201	LHAO-202	LHAO-203	LHAO-204
Capacity	16 L	34 L	53 L	75 L
Temp. Range	Ambient + 5-250°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.1°C at 180°C			
Temp. Uniformity	±3°C at 180°C			
Temp. Resolution	1°C			
Timer Range	9h 59min + HOLD			
Inner Dimension	251x251x251 mm	332x320x318.8 mm	382.4x375x365.2 mm	424x434x415 mm
Overall Dimension	396x527x414.6 mm	474x596x482.7 mm	524.4x651x529.1 mm	566x710x578.9 mm
Power	750 W			1000 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	24/26 kg	28.5/31.5 kg	33/37 kg	39.5/43.5 kg
Catalog No.	9221217222	9221218222	9221219222	9221220222

Model	LHAO-205	LHAO-206	LHAO-207	LHAO-208
Capacity	90 L	110 L	150 L	200 L
Temp. Range	Ambient + 5-250°C			
Temp. Accuracy	±1°C			
Temp. Fluctuation	±0.1°C at 180°C			
Temp. Uniformity	±3°C at 180°C			
Temp. Resolution	1°C			
Timer Range	9h 59min + HOLD			
Inner Dimension	425x520x415 mm	485x475x475 mm	532x532x532 mm	532x707x532 mm
Overall Dimension	567x796x578.9 mm	627x751x638.9 mm	674x808x695.9 mm	674x983x698.9 mm
Power	1000 W	1500 W	2000 W	
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	43/48 kg	47.5/52 kg	55.5/62 kg	61.5/69.5 kg
Catalog No.	9221221222	9221222222	9221223222	9221224222



## HOT AIR OVEN LHAO-100 SERIES

### LABOCON HOT AIR OVENS LHAO-300 SERIES

Labocon Hot Air Oven LHAO-300 Series is an ideal choice for quick and efficient sterilization. It makes optimal use of dry heat to sanitize and helps in effective sample, instrument or glassware sterilization.

#### Features

- High quality stainless steel interior and exterior
- Vertical forced convection system with low-noise centrifugal fan ensures the temperature uniformity
- Microcomputer intelligent control with LCD display and timing function
- Programmable design can set 10 segments
- Optional:
  - Over-temperature alarm function
  - Intelligent LCD temperature controller (30 segments)
  - RS485 interface
  - Printer

#### Application

Labocon Hot Air Oven is suitable for various applications in the fields of agricultural, medical and industrial research, laboratories, hospitals and industries.



## HOT AIR OVEN LHAO-100 SERIES

Model	LHAO-301	LHAO-302	LHAO-303
Capacity	36 L	76 L	146 L
Temp. Range	RT+10-300°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	± 1°C		
Temp. Uniformity	± 1°C		
Temp. Resolution	0.1°C		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	300x300x350 mm	400x400x450 mm	450x550x550 mm
Overall Dimension	445x470x705 mm	550x600x800 mm	640x700x905 mm
Power	600/970 W	1150/1600 W	1600/2100 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	29/36 kg	44/56.5 kg	60/77 kg
Catalog No.	9221225304	9221226304	9221227304

Model	LHAO-304	LHAO-305	LHAO-306
Capacity	246 L	426 L	626 L
Temp. Range	RT+10-300°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	± 1°C		
Temp. Uniformity	± 1°C		
Temp. Resolution	0.1°C		
Timer Range	1-9999 min		
Shelves	2	3	4
Load per Shelf	15 kg		
Inner Dimension	500x600x750 mm	600x550x1300 mm	800x600x1300 mm
Overall Dimension	690x780x1100 mm	780x760x1800 mm	980x800x1800 mm
Power	2100/2500 W	3200/3300 W	4100/4200 W
Power Supply	220 V, 60 Hz	380 V, 60Hz	
Weight (Net/Gross)	74/118 kg	158/215 kg	185/260 kg
Catalog No.	9221228304	9221229304	9221230304

### HYBRIDIZATION OVEN LHO-100 SERIES

Labocon Hybridization Oven LHO-100 Series is designed to create the ideal environment for nucleic acid hybridization. Microprocessor allows selection of temperature control. The dynamic mixing capability with excellent temperature uniformity creates optimum conditions needed for cDNA library screenings, primer synthesis and nucleic acid hybridization.

#### Features

- Stainless steel SUS 304 inner material and powder painted exterior
- Outer door designed with an observable window
- Stable operation with low noise rotation
- Efficient and safe hybridization process
- Fast heat-up and precise temperature control
- Microprocessor based digital PID controller with digital display
- Touch-screen panel

#### Application

Labocon Hybridization Oven is suitable for various applications in the fields of molecular biology, medical and industrial research laboratories, hospitals and industries etc.



*Hybridization Oven LHO-100*

## Specification

Model	LHO-101	LHO-102	LHO-103	LHO-104
Capacity	37 L	22 L	37 L	22 L
Motion	Rotational	Orbital	Rocking	Orbital + Rotational
Temp. Range	Ambient +5-80°C			
Temp. Accuracy	±0.1°C			
Temp. Uniformity	±1°C			
Rotor Speed Range	6~ 50 rpm	None	None	6~ 50 rpm
Bottles	8	None	None	8
Shaking Speed Range	None	20-200 rpm	6~ 60 rpm	10~ 100 rpm
Shaking Orbit	None	None	None	25 mm
Max Load	None	None	None	6 kg
Display	LED			
Timer	1-999h /1-999m / 1-999s			
Platform Dimension	310x210 mm			
Inner Dimension	350x250x425 mm	350x255x250 mm		350x250x425 mm
Overall Dimension	440x375x660 mm	440x375x410 mm		440x375x660 mm
Power	450 W			
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	33 kg	23 kg		33 kg
Catalog No.	9221231584	9221232584	9221233584	9221234584

# NATURAL CONVECTION OVEN

## NATURAL CONVECTION OVEN LNCO-100 SERIES

Labocon Natural Convection Oven LNCO-100 Series are highly efficient and reliable drying ovens. Their natural convection heating circulation system ensures temperature uniformity in the chamber.

### Features

- Stainless-steel chamber with semicircular arcs at corners for easy cleaning
- Double wall construction with glass observation window
- Silicon rubber door sealing prevents heat loss
- Natural convection system provides excellent uniformity
- Optional:
  - PID controller
  - Intelligent Programmable temperature controller
- RS485 connector

### Application

Labocon Natural Convection Ovens are suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.



NATURAL CONVECTION OVEN

Specification

Model	LNCO-101	LNCO-102	LNCO-103
Capacity	27 L	56 L	95 L
Temp. Range	RT+10-200°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	0.1°C		
Temp. Fluctuation	0.5°C		
Temp. Uniformity	2.5°C		
Temp. Resolution	0.1°C		
Timer Range	0-9999 min		
Shelves	1	2	
Load per Shelf	15 kg		
Inner Dimension	280x280x350 mm	350x350x460 mm	430x430x520 mm
Overall Dimension	510x510x600 mm	640x560x800 mm	720x640x865 mm
Power	600 W	900 W	1200 W
Power Supply	220V,60Hz		
Weight (Net/Gross)	23/28 kg	30/36 kg	48/54 kg
Catalog No.	9221121125	9221122125	9221123125

# NATURAL CONVECTION OVEN

## NATURAL CONVECTION OVEN LNCO-200 SERIES

Labocon Natural Convection Oven LNCO-200 Series are highly efficient and reliable drying ovens. Their natural convection heating circulation system ensures temperature uniformity in the chamber.

### Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Hollow tempered glass observation window with adjustable air-tight buckle lock
- Silicon rubber seal prevents heat loss
- Easy assembly and disassembly of air duct and bottom heat cover
- Natural convection system provides excellent uniformity
- Intelligent digital temperature controller
- Optional accessories:
  - Intelligent temperature controller with LCD display
  - Audio and visual over temperature alarm
  - Multi-staged programmable temperature controller
  - RS485 Interface
  - Printer

### Application

Labocon Natural Convection Ovens are suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.



*Natural Convection Oven LNCO-200*

# NATURAL CONVECTION OVEN

## Specification

Model	LNCO-201	LNCO-202	LNCO-203	LNCO-204
Capacity	30 L	45 L	65 L	125 L
Temp. Range	RT+10-300°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1 °C			
Temp. Fluctuation	±1 °C			
Temp. Uniformity	±1 °C			
Temp. Resolution	±0.1 °C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	310x310x310 mm	350x350x350 mm	400x360x450 mm	500x450x550 mm
Overall Dimension	600x540x820 mm	660x590x870 mm	670x630x960 mm	760x740x1060 mm
Power	800 W	1000 W	1600 W	2500 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	33/40 kg	37/45 kg	44/54 kg	60/72 kg
Catalog No.	9221124202	9221125202	9221126202	9221127202



# NATURAL CONVECTION OVEN

## NATURAL CONVECTION OVEN LNCO-300 SERIES

Labocon Natural Convection Oven LNCO-300 Series are highly efficient and reliable drying ovens. Their natural convection heating circulation system ensures temperature uniformity in the chamber.

### Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Semicircular arcs at corners for easy cleaning
- Wide hollow tempered glass observation window with adjustable air-tight buckle lock
- Silicon rubber seal prevents heat loss
- Easy assembly and disassembly of air duct and bottom heat cover
- Natural convection system provides excellent uniformity
- Intelligent temperature controller with LCD display
- Independent temperature safety device
- Audio and visual over temperature alarm
- Optional:
  - Multi-staged programmable temperature controller
  - RS485 Interface
  - Printer

### Application

Labocon Natural Convection Ovens are suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.



# NATURAL CONVECTION OVEN

## Specification

Model	LNCO-301	LNCO-302	LNCO-303	LNCO-304
Capacity	30	45	65	125
Temp. Range	RT+10-300°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±1 °C			
Temp. Fluctuation	±1 °C			
Temp. Uniformity	±1 °C			
Temp. Resolution	±0.1 °C			
Timer Range	1-9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	310x310x310 mm	350x350x350 mm	400x360x450 mm	500x450x550 mm
Overall Dimension	600x540x820 mm	660x590x870 mm	670x630x960 mm	760x740x1060 mm
Power	800 W	1000 W	1500 W	2500 W
Power Supply	220 V, 60 Hz			
Weight (Net/Gross)	33/40 kg	37/45 kg	44/54 kg	60/72 kg
Catalog No.	9221128202	9221129202	9221130202	9221131202

# NATURAL CONVECTION OVEN

## NATURAL CONVECTION OVEN ADVANCED LNCOA-100 SERIES

Labocon Natural Convection Oven Advanced LNCO-400 Series features a compact design with Microprocessor PID Membrane Touch Digital controller and Membrain Touch Type Control Panel. Their natural convection heating circulation system ensures temperature uniformity and durability in the chamber.

### Features

- Stainless steel inner chamber with steel plate SS 41 with powder heated coated exterior
- Silicon rubber packing and powerful lock device minimize the heat leakage
- Microprocessor PID Membrane Touch Digital controller
- Heater Control: SSR Contactless control
- Membrain Touch Type Control Panel
- Device are merged into one circuit in Temp and Timer Controller
- Digital counter timer
- Over temperature protection
- Fan motor over load protection device
- Automatic reset function incoming power cut
- Buzzer on When Set Time Arrived
- Optional
  - Programmable design for 30 segments
  - Recorder

### Application

Labocon Natural Convection Oven is suitable for drying, curing, melting and heating in experiments of industries, scientific research institutions, health and medical laboratories, etc.



*Natural Convection Oven LNCOA-100*

# NATURAL CONVECTION OVEN

## Specification

Model	LNCOA-101	LNCOA-102	LNCOA-103
Capacity	54 L	100 L	150 L
Temp. Range	Ambient +5-250°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±0.1°C		
Temp. Fluctuation	±0.1°C		
Temp. Uniformity	±3.0°C at 120°C		
Temp. Resolution	±0.1°C		
Timer Range	0-99h 59min		
Shelves	2		
Load per Shelf	30 kg		
Inner Dimension	380x340x420 mm	480x400x530 mm	555x450x600 mm
Overall Dimension	500x472x798 mm	600x542x908 mm	675x592x978
Power	500 W	1000 W	1500 W
Power Supply	220V, 60 Hz		
Weight (Net/Gross)	43/45 kg	56/59 kg	74/79 kg
Catalog No.	9221132470	9221133470	9221134470

## LABOCON VACUUM OVEN LVO-100 SERIES

Labocon Vacuum Oven LVO-100 Series is suitable for drying of heat sensitive materials. Its vacuum environment ensures quick and effective drying of samples in powder or pellet form.

### Features

- Stainless Steel SUS 304 inner chamber and cold-rolling steel exterior with static spray plastics
- Quadrate working chamber to maximize volume
- Arc angle design for convenient cleaning of residues
- Silicone seal strips ensures high vacuum degree in the working chamber
- Tempered bulletproof double glass window for observation
- Microcomputer single chip technology temperature control system with LCD display
- Over-temperature alarm function
- Automatic data recovery in case of power failure or unexpected halting of the system

### Application

Labocon Vacuum Oven is suitable for drying and sterilization in fields of biochemistry, pharmacy, medicine and health, agriculture and scientific research and environment protection.



## Specification

Model	LVO-101	LVO-102
Capacity	30 L	50 L
Temp. Range	RT+2-250°C	
Ambient Temp.	5-40°C	
Temp. Accuracy	1°C	
Temp. Fluctuation	±0.5°C	
Temp. Uniformity	1°C	
Temp. Resolution	1°C	
Vacuum Degree	133 Pa	
Timer Range	0-99 h 60 min	
Shelves	2	
Load per Shelf	15 kg	
Inner Dimension	300×300×280 mm	400×400×350 mm
Overall Dimension	590×430×480 mm	710×510×550 mm
Power	800 W	1300 W
Power Supply	220 V, 60 Hz	
Weight (Net/Gross)	40/49 kg	64/76 kg
Catalog No.	9221195127	9221196127

## LABOCON VACUUM OVEN LVO-200 SERIES

Labocon Vacuum Oven LVO-200 Series is suitable for drying of heat sensitive materials. Its vacuum environment ensures quick and effective drying of samples in powder or pellet form.

### Features

- Stainless steel inner chamber with cold rolling steel electrostatic spraying exterior
- Double-layer tempered glass anti-bullet door with high permissibility
- Microcomputer PID temperature controller with function of timer function
- Over-temperature protection
- Optional:
  - Oxygen Interface
  - Nitrogen Interface

### Application

Labocon Vacuum Oven is suitable for drying and sterilization in fields of biochemistry, pharmacy, medicine and health, agriculture and scientific research and environment protection.



## Specification

Model	LVO-201	LVO-202	LVO-203
Capacity	24.3 L	52.2 L	84 L
Temp. Range	RT+10-250°C		
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±1°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±0.1°C		
Vacuum Degree	< 133 Pa		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	300x300x270 mm	415x370x340 mm	450x450x450 mm
Overall Dimension	480x480x605 mm	560x540x680 mm	640x590x780 mm
Power	800 W	1400 W	2000 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	42/50 kg	67/92 kg	82/105 kg
Catalog No.	9221197202	9221198202	9221199202



## LABOCON VACUUM OVEN LVO-300 SERIES

Labocon Vacuum Oven LVO-300 Series is suitable for drying of heat sensitive materials. Its vacuum environment ensures quick and effective drying of samples in powder or pellet form.

### Features

- High quality rolling plate exterior with powder spray
- Special SUS 304 stainless plate door sealing material ensures tightness of door and long term vacuum degree
- Humidity control accuracy:  $\pm 1^{\circ}\text{C}$  ( $100^{\circ}\text{C}$ )
- Time required for achieving highest temperature: ~90 min
- Temperature sensor: PT100 three-core high precision sensor
- Four-side heating of inner bag to make temperature rise faster and uniformly
- Advanced heat insulating technology ensures long term temperature stability inside the working chamber
- High quality red copper and copper pipe joint vacuum system ensures no vacuum leakage until 48 hrs after shutting of the vacuum pump and valve
- Advanced fuzzy PID control programmable multi-mode temperature control method and LCD display
- Independently adjustable temperature safety device
- Over temperature protection



*Vacuum Oven LVO-300*

### Application

Labocon Vacuum Oven is widely applicable for drying and sterilization in fields of biochemistry, pharmacy, medicine and health, agriculture and scientific research and environment protection.

## Specification

Model	LVO-301	LVO-302	LVO-303
Capacity	30 L	60 L	90 L
Temp. Range	RT+5-210°C (250°C max)		RT+10-210°C
Ambient Temp.	5-40°C		
Temp. Accuracy	±1°C		
Temp. Fluctuation	±0.5°C		
Temp. Uniformity	±1°C		
Temp. Resolution	±1°C		
Vacuum Degree	< 133 Pa		
Timer Range	1-9999 min		
Shelves	2		
Load per Shelf	15 kg		
Inner Dimension	310x310x320 mm	400x380x400 mm	450x450x450 mm
Overall Dimension	500x450x745 mm	590x530x860 mm	620x610x925 mm
Power	1250 W	1800 W	2200 W
Power Supply	220 V, 60 Hz		
Weight (Net/Gross)	45/50 kg	72/86 kg	85/102 kg
Catalog No.	9221200472	9221201472	9221202472

## LABOCON VACUUM DRYING OVEN LVO-400 SERIES

Labocon Vacuum Oven LVO-400 Series is suitable for drying of heat sensitive materials. Its vacuum environment ensures quick and effective drying of samples in powder or pellet form.

### Features

- High quality cold rolled steel sheet exterior and stainless steel SUS304 inner chamber
- Silicon rubber sealing ring prevents heat loss
- Heat insulating material: PU FOAM + Glass fiber cotton
- Forced air convection maintains temperature uniformity
- Non-condensation observation window with light
- Microprocessor Digital controller
- Temperature Sensor: PT100
- Noise level:  $\leq 65$  dB
- Over-load, over heat, over-current and short-circuit protection

### Application

Labocon Vacuum Oven is widely applicable for drying and sterilization in fields of biochemistry, pharmacy, medicine and health, agriculture and scientific research and environment protection.



*Vacuum Oven LVO-400*

## Specification

Model	LVO-401	LVO-402	LVO-403	LVO-404	LVO-405
Capacity	24.7 L	52.9 L	91.1 L	215 L	252 L
Temp. Range	RT+10-250°C				
Ambient Temp.	5-40°C				
Temp. Accuracy	±2°C				
Temp. Fluctuation	±0.5°C				
Temp. Uniformity	±2.0°C				
Temp. Resolution	±0.1°C				
Vacuum Degree	< 133 Pa				
Timer Range	1-9999 min				
Shelves	2				
Load per Shelf	15 kg				
Inner Dimension	300x300x275 mm	415x370x345 mm	450x450x450 mm	560x640x600 mm	700x600x600 mm
Overall Dimension	580x450x450 mm	720x525x535 mm	615x590x1470 mm	720x820x1750 mm	1050x760x910 mm
Power	500 W	1400 W		2100 W	3000 W
Power Supply	220 V, 60 Hz				
Weight (Net/Gross)	56/59 kg	92/96 kg	94/99 kg	192/197 kg	178/182 kg
Catalog No.	9221203485	9221204485	9221205485	9221206485	9221207485

## LABOCON VACUUM DRYING OVEN LVO-500 SERIES

Labocon Vacuum Oven LVO-500 Series is suitable for drying of heat sensitive materials. Its vacuum environment ensures quick and effective drying of samples in powder or pellet form.

### Features

- High quality cold rolled steel sheet exterior and stainless steel SUS304 inner chamber
- Silicon rubber sealing ring prevents heat loss
- Heat insulating material: PU FOAM + Glass fiber cotton
- Forced air convection maintains temperature uniformity
- Non-condensation observation window with light
- Microprocessor Digital controller
- Temperature Sensor: PT100
- Noise level:  $\leq 65$  dB
- Over-load, over heat, over-current and short-circuit protection

### Application

Labocon Vacuum Oven is widely applicable for drying and sterilization in fields of biochemistry, pharmacy, medicine and health, agriculture and scientific research and environment protection.



*Vacuum Oven LVO-500*

## Specification

Model	LVO-501	LVO-502	LVO-503	LVO-504
Capacity	24.7 L	52.9 L	91.1 L	215 L
Temp. Range	RT+10-250°C			
Ambient Temp.	5-40°C			
Temp. Accuracy	±2°C			
Temp. Fluctuation	±0.5°C			
Temp. Uniformity	±2.0°C			
Temp. Resolution	±0.1°C			
Vacuum Degree	< 133 Pa			
Timer Range	1~9999 min			
Shelves	2			
Load per Shelf	15 kg			
Inner Dimension	300x300x275 mm	415x370x345 mm	450x450x450 mm	560x640x600 mm
Overall Dimension	580x450x450 mm	720x525x535 mm	615x590x1470 mm	720x820x1750 mm
Power	500 W	1400 W		2100 W
Power Supply	220 V, 60Hz			
Weight (Net/Gross)	56/59 kg	92/96 kg	94/99 kg	192/197 kg
Catalog No.	9221208485	9221209485	9221210485	9221211485