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DRYING OVEN



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NOTE: The color of the actual product may differ from the color pictured in this catalog due to printing limitation.

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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
- 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-100

Specification

Model	LFDO-101	LFDO-101	LFDO-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.	9221160202	9221161202	9221162202

Model	LFDO-104	LFDO-105	LFDO-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	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 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

- Inner bag applies SUS304 stainless plate.
- Outside body is made up of high quality cold rolling plate and is sprayed with Dupont powder.
- Circular airflow design concept and forced convection simulated air circulation principle for high even and stable inner bag temperature.
- Temperature safety device can be adjusted accordingly to increase the safety co-efficient.
- Three-core high precision sensor is applied to inspect the internal temperature correctly.
- The fan stops instantly when the door is open, in order to prevent sudden drop.
- Advanced heat insulating technology and insulating material are applied to keep the temperature inside the incubator unchanged.
- Advanced PID control, menu operating interface, intelligent programmed control system, intelligent alarm system and high brightness LCD.
- Unique air duct structure and perfect configurations can guarantee evenness, fluctuation, velocity of temperature and fully circulate the air inside the oven.
- Imported electric motor with low noise and small amplitude, resistant to high temperature and humidity.
- Partition can be adjusted according to demand.
- Imported creepage protector and over temperature protector.

Application

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Drying Oven LFDO-200

Specification

Model	LFDO-201	LFDO-202	LFDO-203	LFDO-204	LFDO-205
Capacity	35 L	50 L	81 L	150 L	250 L
Temp. Range	RT +10°C to 250°C				
Ambient Temp.	-				
Temp. Accuracy	1°C				
Temp. Control Acc.	± 1°C				
Temp. Uniformity	± 1.5°C				
Temp. Resolution	-				
Timer Range	-				
Shelves	2				
Load per Shelf	-				
Inner Dimension	350x340x400 mm	380x380x350 mm	450x450x400 mm	500x550x600 mm	600x600x695 mm
Overall Dimension	475x473x737 mm	505x513x787 mm	595x580x837 mm	625x630x1037 mm	725x730x1132 mm
Power	700 W	800 W	1600 W	2000 W	2500 W
Power Supply	AC 220V 50/60 Hz				
Weight	55 kg	58.5 kg	65 kg	82.5 kg	102.5 kg
Catalog No.	9221166470	9221167470	9221168470	9221169470	9221170470



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