

Convection Oven NDO-420·420W·520·520W

Natural convection oven with max. 300°C temperature control.



NDO-420W

NDO-520

NDO-520W

Features

- Convection oven 420·520 series are easy to use natural convection drying oven providing max. 300°C temperature control.
- Independent variable overheat protector is provided.
- Alarm display and buzzer are provided to indicate abnormal operating condition like temp. over limit, sensor malfunction.
- Timer (Auto start/Auto stop) function is equipped.
- Temperature compensation function is provided .
- Open side of the door can be changed (option).

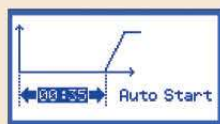
Specifications

Product Name	Convection Oven			
Model	NDO-420	NDO-420W	NDO-520	NDO-520W
Cat. No.	252240/252248	252250/252258	252260	252270
Air circulation	Natural convection			
Temp. control range	RT+10~300°C	RT+10~270°C	RT+10~300°C	RT+10~270°C
Temp. distribution (at 270°C)	10°C deviation	10°C deviation	9°C deviation	9°C deviation
Max. temp. reaching time	100 min (→300°C)	90 min (→270°C)	130 min (→300°C)	90 min (→270°C)
Timer function	Auto start, Auto stop, Auto start/stop, 1 step · 2 step mode			
Safety functions	Door open alarm, Sensor alarm, Upper/lower temp. limit alarm, Leak/overcurrent braker, Independent variable overheat protector, SSR malfunction			
Chamber capacity	91L		150L	
Shelf	2 pcs		3 pcs	
Shelf pitch & step	30mm 11 steps		30mm 13 steps	
Observation window	—	250W x 280H	—	250W x 280H
Dimensions(mm) & weight	550W x 590D x 811H 53/56kg		700W x 641D x 861H 58/60kg	
Power source	1.23kVA AC100V/2.83kVA AC230V		1.3kVA AC100V	

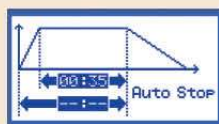
Point! Bright and clear liquid crystal display



Display during operation

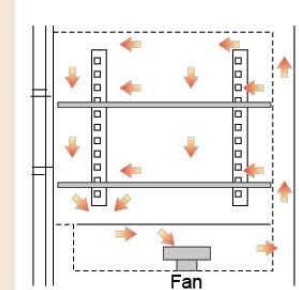


Auto start



Auto stop

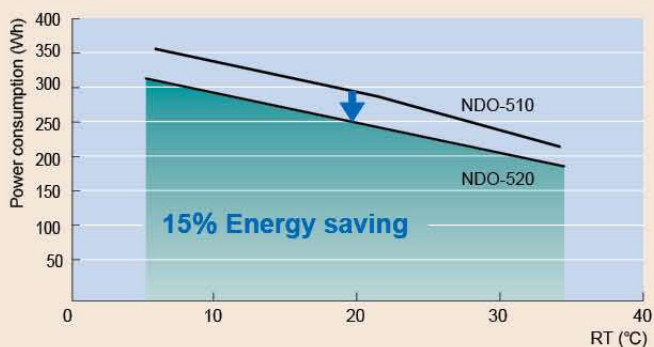
Point! Uniform temperature distribution



Uniform temperature distribution is realized by two way air flows. Shelf metal is with punching hole and holds slim bar like test tube holder firmly.

Point!

Energy saving design
(Comparison with former model NDO-510)



Point!

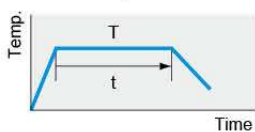
Punching metal shelf



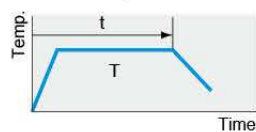
Punching metal shelf enables use of test tube holder with small shelf contact part.

Operation patterns

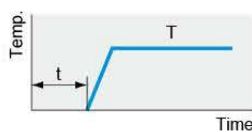
■ Auto stop 1



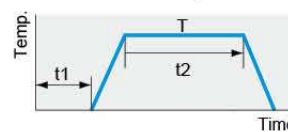
■ Auto stop 2



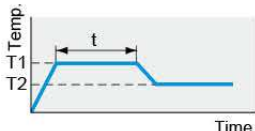
■ Auto start



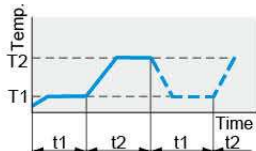
■ Auto start • stop



■ 1 step mode



■ 2 step mode



T: Set temperature
t: Set time

Convection Oven NDO-451SD • 601SD

Natural convection oven equipped with micro processor for programming and self diagnosis function.



NDO-451SD

NDO-601SD

Features

- Microprocessor P.I.D control with auto tuning function controls temperature setting and time precisely.
- Built-in program of 7 patterns and max. 8 step program.
- Timer (Auto start/Auto stop) function is provided.
- Temperature compensation function is provided.
- Independent overheat protector is equipped.

Specifications

Product Name	Convection Oven	
	NDO-451SD	NDO-601SD
Model	NDO-451SD	NDO-601SD
Cat. No.	181629/181628	181639/181638
Air circulation	Natural convection	
Temp. control range	40~250°C	
Max. temp. reaching time	60~70 min	80~90 min
Program	Timer(Auto-start/Auto-stop), Repeated operation, Step program (max 8 steps), Gradient control (10 segments)	
Chamber dimensions & capacity	450W x 450D x 400H 81L	600W x 500D x 500H 150L
Observation window	180W x 300H mm	
Dimensions(mm) & weight	550W x 560D x 820H 58kg	700W x 610D x 920H 82kg
Power source	1.43kVA AC115V/2.75kVA AC220V	1.61kVA AC115V/3.08kVA AC220V

Rotary Evaporator 1

Vacuum Pump & Aspirator 2

Organic Synthesizer 3

Freeze Dryer / Spray Dryer 4

Shaker 5

Stirrer 6

Tube Pump 7

Low Temperature Circulator 8

Cold Trap 9

Orbital Temperature Bath 10

Incubator 11

Oven 12

Fermentor 13