

## OTHERS

- VERTICAL AUTOCLAVE
- HORIZONTAL AUTOCLAVE
- DRYING OVEN

### VERTICAL AUTOCLAVE

NB-1045/NB-1060/NB-1080/NB-1100



### HORIZONTAL AUTOCLAVE

NB-1050H/NB-1090H/NB-1150H/NB-1300H



### DRYING OVEN

NB-901M/NB-901S/NB-902N



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# VERTICAL AUTOCLAVE (NB-1045/NB-1060/NB-1080/NB-1100)

- High pressure autoclave is suitable for general lab



### Features

- Designed to suit for performance in general lab.
- Fully automatic autoclave-heatup, exhaust, sterilize, pressure.
- Safety valve for discharging pressure.
- Chamber made of SUS304 for resistance to decomposition.
- precise electronic timer.
- Microprocessor PID control for temperature.

### Specification



Items	Unit	NB-1045	NB-1060	NB-1080	NB-1100
Use Temp.			121°C(Standard), 132°C(Option)		
Temp. Accuracy			±0.5°C At 121°C		
Operating Pressure			0.1~0.21 Mpa		
Temp. Control			Digital P.I.D Controller		
Timer			Electronic Type. 0~99h 59min.		
Pressure Gage			Mechanical Gauge 0~0.3 Mpa		
Air Exhaust			Adjustable Valve		
Safety Device			Over Temp, limit By Controller Over Heat Limit By Safety S/w Over Pressure Limit By Protector Valve Water Level Sensor Protector		
Monitor Unit			Audible & Visible Device		
Basket			Mesh Type, Standard / 2ea		
Dimension (in)	(in)	300 øx630mm	350 øx630mm	400 øx630mm	450 øx630mm
	(out)	670x470x1080(h)mm	670x470x1080(h)mm	810x630x1150(h)mm	810x630x1150(h)mm
Capacity		45Liter	60Liter	80Liter	100Liter
Heater		2KwX1EA	3KwX1EA	4Kw(2KwX2EA)	4Kw(2KwX2EA)
Weight		77Kg	75Kg	113Kg	110Kg
Power		220v,50/60hz (Standard), 110v,50/60hz(Option)			



# HORIZONTAL AUTOCLAVE (NB-1050H/NB-1090H/NB-1150H/NB-1300H)

- High pressure autoclave is suitable for general lab



## Features

- SUS304 materials for all models
- Automatic operation system for NB-1050H (water supply, pre heating, sterilization, exhaust)
- Automatic operation system for other models (water supply, pre heating, sterilization, exhaust, dry)
- Overshooting protector for Temp. & Pressure
- Earth leakage breaker
- Possible to check the status for operation by pilot lamp on front panel
- Chamber pressure gauge available for NB-1050H
- Jacket, chamber pressure gauge available for other models

## Specification



Items	Unit	NB-1050H	NB-1090H	NB-1150H	NB-1300H
Use Temp.		121°C(Standard), 132°C(Option)			
Temp. Accuracy		±10% At 121°C			
Operating Pressure		≠ 0,1~0,21 Mpa			
Temp. Control		Analog Control(E.G.O) Type			
Timer		Electronic Type, 60min.			
Pressure Gage		Mechanical Gauge 0~0.3 Mpa			
Air Exhaust		On/off Air Exhaust Type			
Safety Device		Over Heat Limit By Safety S/w Over Pressure Limit By Protector Valve Water Level Sensor			
Monitor Unit		Audible & Visible Device			
Shelve		Standard / 1ea			
Dimension (in)		345 ø x530mm	405 ø x600mm	570 ø x650mm	570 ø x1200mm
(out)		600(W)x650(D)x500(H)mm	780(W)x1000(D)x1430(H)mm	780(W)x1390(D)x1600(H)mm	780(W)x1450(D)x1600(H)mm
Capacity		50Liter	90Liter	150Liter	300Liter
Weight		50Kg	180Kg	200Kg	250Kg
Power		220V, 1P, 50~60Hz, 2,8Kw	220V, 4P, 50/60Hz, 10KW	220V, 4P, 50/60Hz, 10KW	220V, 4P, 50/60Hz, 15KW



## DRYING OVEN (NB-901M/NB-901S/NB-902N)

- Drying oven is mainly used for drying and sterilizing sample as well as high temperature experiment.



### Features

- Digital PID Controller
- Auto-tuning function
- Secure safety device
- Simple operation
- Glass door to observe inside of the chamber
- 10 step Programmable Controller(Optional)
- Fast drying and precise warm-air flow type (NB-901M)
- Natural air flow type(NB-902N) is suitable for optimum drying
- Compact size to save space and energy (NB-901S)

### Specification

Items	Unit	NB-901M	NB-901S	NB-902N
Type		Mechanical Convection	Mechanical Convection	Natural Convection
Temp. Range		Ambient +5°C to 220°C	Ambient +5°C to 220°C	Ambient +5°C to 200°C
Temp. Accuracy		±1°C at 150°C	±1°C at 150°C	±2°C at 150°C
Circulation Fan		20W Blower Fan	20W Blower Fan	None
Dimension(in)		550x520x600(H)mm	380x310x410(H)mm	510x500x600(H)mm
(out)		710x725x920(H)mm	540x565x710(H)mm	685x650x1000(H)mm
Capacity		172 Liter	48 Liter	150 Liter
Power		220V, 6.9A, 1.6kw, 60Hz	220V, 4A, 1kw, 60Hz	220V, 4.5A, 1kw, 60Hz
Temp. Controller			Digital P.I.D. controller	
PID Setting			Auto Tuning	
Display			LED Display	
Material(in)			Stainless steel	
(out)			Steel plate with powder coating	
Door			Silicon packing door with Window	
Shelves			3EA, Stainless Plate	
Safety device			Exclusive over temp. protector	

