



PURIVEN

DRYING OVEN

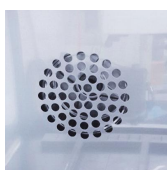
Forced convection drying oven used for drying sample, executing moisture analysis and sterilizing various experimental apparatus including glasses

- Forced convection
- Temperature range from ambient +5 °C to 250°C

● ● ● STANDARD SPECIFICATION

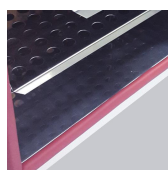


Model		PURIVEN 100	PURIVEN 150
Size	Inner(W x D x H)mm	500 x 400 x 500	500 x 500 x 600
	Out(W x D x H)mm	645 x 670 x 760	645 x 770 x 860
	Capacity	100	150
	Weight(Kg)	95	110
Controller		Standard : Digital PID controller	
Inside Material		Stainless steel plate 304	
Outside Material		Epoxy powder coated steel plate	
Shelf		Perforated Stainless Steel Shelves (2EA included / Up to 4EA)	Perforated Stainless Steel Shelves (2EA included / Up to 6EA)
Temperature	Range	Ambient +5°C ~ 250°C	
	Sensor Type	PT 100Ω	
	Control	Forced Convection (Direct Heat)	
Power		230V ±10%, 50-60Hz, 1Phase	
Power Consumption		1,000W	1,200W
Safety		Over heat protector, Earth leakage circuit breaker, Fuse installed noise filter	



Heater/Fan at the rear of the chamber

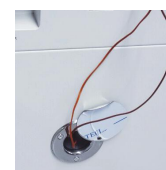
Not in floor but in back wall



Silicon gasket with high temperature resistance



Double insulation transparent glass in door



Cable port in the side wall

Available to connect to external sensors (Port diameter 40mm)

● ● ● MAIN FEATURE

● Drying oven which rapidly reaches high temperature with increased thermal efficiency

It can be reached quickly to the set temperature by forced convection method, and it is designed to minimize the heat loss from the chamber so as to ensure high heat efficiency

● Gasket and components which withstand high temperature properly

- Gasket and components having durability are applied to prevent any damage by high temperature.
- Separate insulation are installed between chamber and controller board.

● Shelves that are easy to adjust height and easy to use

The height-adjustable shelf provides flexible space utilization for drying, and the sliding shelf, which can be removed like a drawer, makes it easy to insert and remove specimens.

● Windows for internal observation and a sturdy fixed-handle

For observing the specimen dried in the oven, the double-insulation glass is inserted into door, and also lock-latch is separately applied for minimizing heat loss around the door.

● ● ● FEATURE PLUS

● Door latches to enhance user safety

- Door locking latch is applied to prevent leakage of inside hot air unintentionally so as to eliminate risk of burn of user.
- Sealing of silicon gasket and door surface is enhanced by means of locking latch, which eliminates any gap of door gasket.



Heat Insulation Panel

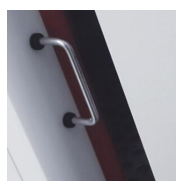


Glass fiber insulation

● ● ● SAFE GUARD

● Air circulation fan to generate vertical flow

- Door locking latch is applied to prevent leakage of inside hot air unintentionally so as to eliminate risk of burn of user.
- Sealing of silicon gasket and door surface is enhanced by means of locking latch, which eliminates any gap of door gasket.



Door latch



Thermo limiter

● ● ● ORDER INFORMATION

DIVISION	ITEM	ORDER CODE			
		PURIVEN 100	PURIVEN 100 RS232	PURIVEN 150	PURIVEN 150 RS232
PRODUCT	Main Body	PVN-10-MB	PVN-10-232-MB	PVN-15-MB	PVN-15-232-MB
OPTION	Change To Stainless Shelf(Wire)	PVN-10-OP1	PVN-10-232-OP1	PVN-15-OP1	PVN-15-232-OP1
	Thermal Printer	N/A	PVN-10-232-OP2	N/A	PVN-15-232-OP2
SPARE	Stainless Shelf(Perforated)	PVN-10-SP1	PVN-10-232-SP1	PVN-15-SP1	PVN-15-232-SP1
	Stainless Shelf(Wire)	PVN-10-SP2	PVN-10-232-SP2	PVN-15-SP2	PVN-15-232-SP2
	Heater	PVN-10-SP3	PVN-10-232-SP3	PVN-15-SP3	PVN-15-SP3
	Fan Motor	PVN-10-SP4	PVN-10-232-SP4	PVN-15-SP4	PVN-15-SP4
	Mainboard & Controller	PVN-10-SP5	PVN-10-232-SP5	PVN-15-SP5	PVN-15-SP5
	Mainboard & Controller(Optional)	PVN-10-SP6	PVN-10-232-SP6	PVN-15-SP6	PVN-15-SP6
	Thermal Printer	PVN-10-SP7	PVN-10-232-SP7	PVN-15-SP7	PVN-15-SP7
	Main Power Switch	PVN-10-SP8	PVN-10-232-SP8	PVN-15-SP8	PVN-15-SP8