



PURICELL_LOW LOW TEMP. INCUBATOR

Forced convection low temperature incubator suitable for the experiments in a wide range of working temperature

- Forced convection Type



STANDARD SPECIFICATION

Model		PURICELL_LOW 150	PURICELL_LOW 250
Size	Inner(W x D x H)mm	530 x 485 x 630	520 x 520 x 940
	Out(W x D x H)mm	675 x 772 x 1322	675 x 770 x 1618
	Capacity	250 L	250 L
	Weight(Kg)	195	195
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 6EA)	
Temperature	Range	0°C ~ 60°C	
	Sensor Type	PT 100Ω	
	Control	Forced Convection (Direct heat & Cooling)	
Compressor		1/5HP, R-134a, Non-CFC	
Power		230V ±10%, 50-60Hz, 1Phase	
Power Consumption		1,235W	
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



Round finishing edge of chamber

Easy to clean



Inner glass door

Enhance the sealing profile to prevent air loss



Sling shelf

Easy to handle specimen



Cable port in the side wall

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

● ● ● **MAIN FEATURE**

● **Low Temperature Incubator to support a wide temperature range**

- It allows to experiment with samples cultured in low temperature condition by serving refrigeration-system

● **Durable equipment for longer lifespan**

All materials of inner chamber is made of stainless steel to minimize the risk of corrosion.

● **Energy-saving efficiency increment**

Refrigerating system runs only when necessary after it reaches to the set temperature, which is the mechanism to save unnecessary energy consumption.

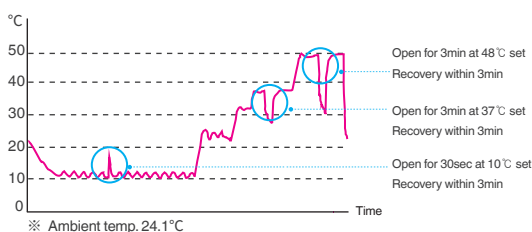
● **Practical and functional design**

Internal glass doors are closed to allow for no heat loss and are designed to prevent double heat losses in conjunction with exterior doors.

● ● ● **FEATURE PLUS**

● **Capability of Fast Temperature Recovery to the set level**

Forced convection air circulation leads the air inside chamber to reach the set temperature faster, and the DC refrigerating method also execute to cool down to the lower set temperature efficiently.



● ● ● **SAFE GUARD**

● **Alarm function in controller**

Multiple alarm functions are equipped in controller, those alarms ring when the following events happen.

- If door is opened for more than 10 seconds
- if temperature deviated from the pre-set range
- When timer for cultivation duration is completed



● ● ● **ORDER INFORMATION**

DIVISION	ITEM	ORDER CODE			
		PURICELL LOW 150	PURICELL LOW150 RS232	PURICELL LOW 250	PURICELL LOW250 RS232
PRODUCT	Main Body	PCLL-15-MB	PCLL-15-232-MB	PCLL-25-MB	PCLL-25-232-MB
OPTION	Change To Stainless Shelf(Wire)	PCLL-15-OP1	PCLL-15-232-OP1	PCLL-25-OP1	PCLL-25-232-OP1
	Thermal Printer	N/A	PCLL-15-232-OP2	N/A	PCLL-25-232-OP2
	RS-232 Interface	N/A	PCLL-15-232-OP3	N/A	PCLL-25-232-OP3
SPARE	Stainless Shelf(Perforated)	PCLL-15-SP1	PCLL-15-232-SP1	PCLL-25-SP1	PCLL-25-232-SP1
	Stainless Shelf(Wire)	PCLL-15-SP2	PCLL-15-232-SP2	PCLL-25-SP2	PCLL-25-232-SP2
	Heater	PCLL-15-SP3	PCLL-15-232-SP3	PCLL-25-SP3	PCLL-25-232-SP3
	Fan Motor	PCLL-15-SP4	PCLL-15-232-SP4	PCLL-25-SP4	PCLL-25-232-SP4
	Mainboard & Controller	PCLL-15-SP5	PCLL-15-232-SP5	PCLL-25-SP5	PCLL-25-232-SP5
	Mainboard & Controller(Optional)	PCLL-15-SP6	PCLL-15-232-SP6	PCLL-25-SP6	PCLL-25-232-SP6
	Thermal Printer(Optional)	PCLL-15-SP7	PCLL-15-232-SP7	PCLL-25-SP7	PCLL-25-232-SP7
	Electricity Leakage Breaker	PCLL-15-SP8	PCLL-15-232-SP8	PCLL-25-SP8	PCLL-25-232-SP8