

Plant Growth Chamber

Internal Lights (Economy Models)

LABEC Economy Plant Growth Chambers are suitable for applications such as plant germination and culture growth, or where refrigeration, heating and diurnal control is required.

With Labec plant growth chambers, environmental conditions can be accurately reproduced and controlled with the dynamic air flow system and unique heating system. Diurnal light control allows for replication of the perfect conditions for seed germination and plant growth.

Features:

- > Microprocessor PID temperature control with touch screen operation.
- > Magnetic door sealing.
- > CFC-free Refrigerant.
- > Specially designed interior glass for effective heat insulation and maximising light intensity.
- > Auto defrost without influencing chamber temperature.

Safety Features:

- > Over temperature cut-off.
- > Under temperature cut-off.
- > Audible and Visual alarms.
- > Controller parameters saved in event of power outage or system error.



F-FLI450

Serving the Scientific, Medical and Research industries since 1945

LABEC



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Plant Growth Chamber

Model		F-FLI250	F-FLI350	F-FLI450
Cycle Mode		Forced Convection		
Function	Temp. Range	Without illumination: 0~65°C; With illumination: +10~65°C		
	Temp. Resolution Ratio	0.1°C		
	Temp. Motion	±1.0°C		
	Temp. Uniformity	±1.0°C		
	illumination (LX)	Full spectrum 0-30000LX multi-degree adjustable		
Structure	Inner Chamber	SUS304 stainless steel		
	Outer Shell	Painted Mild Steel		
	Light Bank	Standard four layer full spectrum LED lamp board		
	Heater	Stainless Steel Element		
	Power Rating	2.0kw	2.2kw	2.5kw
	Coolant	R134A		
	Access Port	The outer diameter of standard inflation port interface is 10mm		
Controller	Temp. control mode	30 section programmable		
	Temp. display mode	7.0 inch true color touch screen display		
	Operation function	Fixed temperature operation, timing function, auto stop.		
	Sensor	PT100 Temp. Sensor		
	Additional function	Reservation switch, historical temperature data curve query, USB data storage and export, Deviation correction, menu locked, power failure back-up, power failure memory, intelligent defrosting.		
Safety device		Over temperature cut-off, long-term under temperature cut-off, loop self diagnosis.		
Specification	Interior size (W*L*H)(mm)	600*500*840	620*570*950	630*670*1100
	Exterior size (W*L*H)(mm)	794*726*1600	814*796*1710	824*896*1860
	Packing size (W*L*H)(mm)	894*826*1800	914*896*1810	924*996*2060
	Volume	250L	350L	450L
	Max Load per Shelf	15kg		
	Max. Shelf number	6	6	7
	Shelf space	120mm		
	Power Requirement	AC 240V / 10 AMP		
	NW/GW (kg)	76/117	78/119	81/122
Accessory	Shelf Supplied	4		
Optional accessories		Extra Light Banks, USB, printer, wireless SMS alarm, CO2 concentration control.		

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