



# GROWTH INCUBATOR

## **MODEL - FPGC-800 NLIN**

FIDELS chamber has a unique ability to fit various research applications and is flexible in its design. The Basic 800 series can be fitted with various mix and match upgrades kits to suit a variety of applications.

### **Features:**

- Toughened glass window
- Air circulation fan
- Removable tray
- Temperature sensor
- Door hinges
- Door handle with lock & key
- PID temperature controller



### **Structure:**

- Chamber Capacity: - 800-1000 ltr
- No of Trays: – 6
- Working area: - 3.0-4.0 m<sup>2</sup>

### **Temperature control:**

- Temperature Range - 2°C to 44°C
- Temperature Accuracy -  $\pm 0.5^{\circ}\text{C}$
- Temperature Uniformity -  $\pm 1^{\circ}\text{C}$

### **Temperature control:**

- Adjustable high and low temperature controls
- Audible alarms
- Visual screen showing both set point and actual condition
- Automatically shuts down at high temp than set point and activating alarm

## SPECIFICATION

Model	Light Intensity 6" from lamps	Temperature Range with all lights on	Interior Space volume	Total Shelving Floor Area	Maximum Growing Height	Exterior Dimensions width depth height			Tiers
						Width	depth	height	
	μmoles/m <sup>2</sup> /s	°C	m <sup>3</sup>	m <sup>2</sup>	Cm	cm	cm	cm	
<b>Plant Growth</b>									
						41 (in)	33.6 (in)	77.2 (in)	
FPGC-800 L2PG	680	7-44±0.5	0.8	1	57.5	85.1	85.4	196.1	2
FPGC-1100 L2PG	800	7-44±0.5	1.1	1.3	57.5	104.1	85.4	196.1	2
FPGC-1100 L1PG	800	7-44±0.5	1.1	0.6	123.4	104.1	85.4	196.1	1
FPGC-1100 L4PG2	300	7-44±0.5	1.1	2.5	39.5	104.1	85.4	196.1	4
<b>Algae</b>									
FPGC-1100 L4AL	405	7-44±0.5	1.1	2.5	26.9	104.1	85.4	196.1	4
FPGC-800 L3AL	350	7-44±0.5	0.8	2	26.9	104.1	85.4	196.1	4
<b>Arabidopsis</b>									
FPGC-1500 L5AR	300	05-45±0.5	1.5	3.5	20.6	104.1	85.4	196.1	5
FPGC-1100 L3AR	405	7-44±0.5	1.1	1.9	25.7	104.1	85.4	196.1	3
FPGC-800 L3AR	350	7-44±0.5	0.8	1.5	34.3	85.1	85.4	196.1	3
<b>Tissue Culture</b>									
FPGC-1100 L5CU	200	10-45±0.5	1.1	3.2	17	104.1	85.4	196.1	5
FPGC-1100 L4CU	200	5-45±0.5	1.1	2.5	25	104.1	85.4	196.1	4
FPGC-1100 L3CU	400	10-45±0.5	1.1	2.5	24.1	104.1	85.4	196.1	4
<b>Incubator</b>									
FPGC-800 NL/LV-IN	125	5-45±0.5	0.8	2	28.6	85.1	85.4	196.1	4
FPGC-800 NLIN	120	2-45±0.5	0.8	3	20.3	85.1	85.4	196.1	6
FPGC-800VLGR	140	5-45±0.5	0.8	7.1	6.7	85.1	85.4	196.1	15

- Requires 8" clearance right and back side for air circulation and 37" for front door opening.
- **Environment condition:** Room Temp - 24°C, RH – 50% for optimum performance.

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