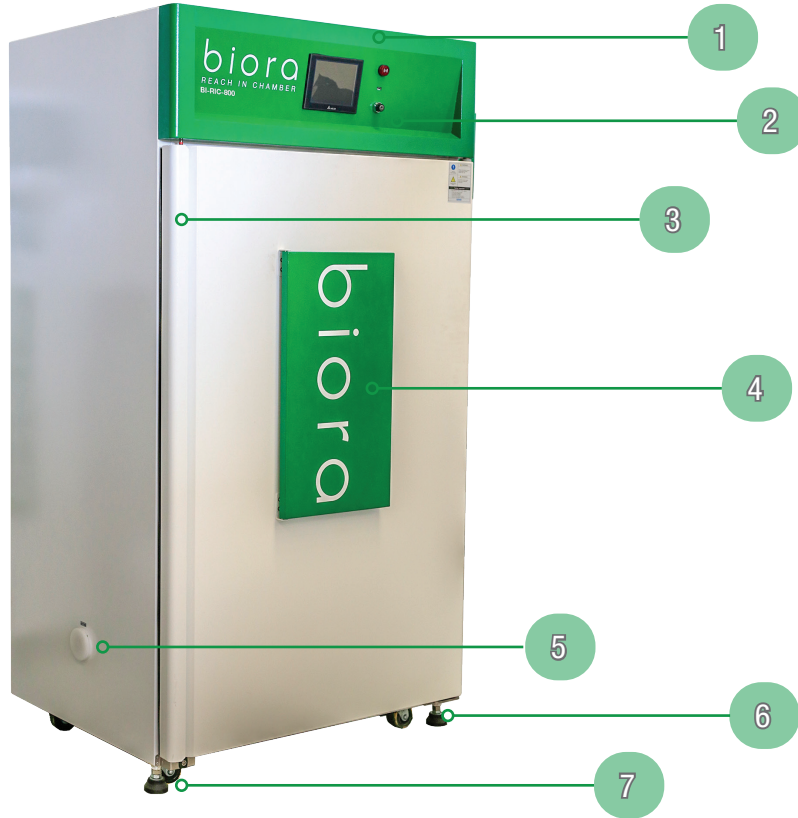


800L SPECIFICATION SHEET

BI-RI-PG-800



ITEM	DESIGNATION
1	Cooling System
2	HMI & Power Key Switch
3	Door Handle
4	Condensation Free Observation Window & Light Tight Cover
5	Side Vents
6	Adjustable Feet
7	Industrial Caster Wheel

Weights and Dimensions

	INTERIOR		ASSEMBLED PRODUCT		SHIPPING	
	Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)	Metric (mm)	Imperial (in)
Height	1220	48.03	1950	76.77	2300	90.55
Width	950	37.40	1070	42.13	1330	52.36
Depth	690	27.17	990	38.98	1180	46.46

	NET WEIGHT		GROSS WEIGHT		WEIGHT LIMIT PER TRAY	
	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)	Metric (kg)	Imperial (lb)
Weight	320	705.48	425	936.96	30	66.14

800L Standard Specifications

Growth Range	Working Volume	800 L	28.25 ft ³
	Growth Area		
	1 Tier	0.60 m ²	6.5 ft ²
	2 Tier	1.30 m ²	14 ft ²
	3 Tier	1.90 m ²	20.45 ft ²
	4 Tier	n/a	n/a
	Growth Height		
	1 Tier	1200 mm	47.24 in
	2 Tier	590 mm	23.23 in
	3 Tier	380 mm	14.96 in
	4 Tier	n/a	n/a
	Atmosphere Control	Temperature Control Accuracy	0.1 °C
Temperature Uniformity, at 20°C (68°F)		0.5 °C	1 °F
Working Temperature Range, Lights On		10 to 45 °C	41 to 113 °F
Working Temperature Range, Lights Off		0 to 45 °C	32 to 113 °F
Humidity Setting Accuracy		1%	
Humidity Fluctuation, at 80% RH Lights Off		(+/-) 10%	
Humidity Uniformity, at 80% RH Lights Off		(+/-) 10%	
Humidity Setting Range, Lights On		50 - 95% RH	
Humidity Setting Range, Lights Off		50 - 85% RH	
Humidifier Type		Ultrasonic	
Ramping Capability for Temperature & Humidity		1 PPM	
Electrical and Safety	Power Required	230V / 50Hz / 60Hz	
	Max. Electrical Current	15A	
	Electrical Safety	Overcurrent NFB protection	
	Compressor Safety	Delay start protection, overload alarm	
	Over-Current Protection	Y	
Cooling Systems	Hot Gas Bypass System	Y	
	Water- or Air-Cooled Condenser	Y	
	Solenoid Valves	Y	
	Defrosting System (Time Adjustable)	Y	
	CFC Free Refrigerant	Y	
	Forced Air Circulation	Horizontal (back to front)	

LED Compatible	Standard LED Light	Z190	
	PAR pmol/m2, at 15cm (PFD)	400	
	Light temperature	4150K (+/- 150K)	
	LED Light Options	Z190	
	LED Lamp tiers (units)	3	
	Plate Size, Depth	400 mm	15.75 in
	Plate Size, Width	600 mm	23.62 in
	Plates per Tier	1	
	Adjustable Intensity	0 - 100%	
	Low Heat Load	Y	
	Light Direction	Downwards	
	Uniformity	Excellent	
	Long life Span	Y	
	Channel Control	1 Channel	
	Fully Programmable	Y	
HMI Control Panel	LED Touch Screen	177.8 mm	7 in
	Password	Pin protected, Three-level access	
	Data	USB Connection, Data export and import	
	Historical Data	12 Months	
	Alerts	Alarm notifications and records, Low and high temperature tracking	
	Remote Access	Real-time monitoring of all control processes	
	No. Programs & Steps	Customisable	
	Support	Customised HMI and local engineering support	
Standard Features	Style	Single Compartment	
	Door	Insulated, single door	
	Observation Window	Light tight cover, condensation free	
	Exterior Material	Powder coated Steel	
	Installation	Four caster wheels with levelling feet	
	HVAC	Internal	
	Shelving Tiers	1 stainless steel wire tray	
	Interior	Stainless Steel	
	Insulation (PU)	50 mm	1.97 in
	Power Connection	Mains cable with plug or NFB	
	Drainage	Draining pipe at the bottom of chamber	
CO ₂ System	CO ₂ level control via Control Panel	Y	
	Package elements:	Gas Analyser, control valve, and injection system.	
	CO ₂ Tanks	Not included	
	CO ₂ Range	Ambient to 5,000ppm	