



PGI-550RH

**PGI-550H/550RH/550V/550VH, Plant Growth Incubator 550 Liter**

- Customized design
- Apply to microorganism Lab / Cell culture / Biotechnology experiments / Analytical Lab / Food Science and Technology / Agricultural Lab / The Fisheries Laboratory / Gardening / Plant Research / Seeds.

Illuminated growth chamber controllers, allow setting of two temp. conditions day & night & an On/Off illumination cycle relative to the program selected. Timers can be set to adjust cycles from 10 minutes up to 24 hours.

Each system operates independently allowing for simulation of a diurnal cycle, such as an eight hour day cycle of 30°C with light followed by a sixteen hour night cycle of 18°C without light.

Forced air circulation ensures the most reproducible test conditions. The chamber air is gently & continuously circulated at a rate that ensures temp. uniformity of all test samples. The unit is equipped with a hermetically-sealed compressor & an independent over temp. safety controller. It also includes a circuit breaker to protect from electrical overload, 5 shelves, adjustable leveling feet, steel exterior with welded seams & corners, & double-coated, baked enamel finish.

MRC Diurnal growth chambers are designed for studies requiring day and night time simulation. Standard models come with flourescent illumination. Optional led illumination.



Internal

**PGI-550H/850H:** Horizontal illumination

**PGI-550RH/850RH:** Horizontal illumination with humidity control

**PGI-550V/850V:** Vertical illumination

**PGI-550VH/850VH:** Vertical illumination with humidity control.

Model	Horizontal illumination	PGI-550H	PGI-550RH with Humid.	PGI-850H	PGI-850RH with Humid.
	Vertical illumination	PGI-550V	PGI-550VH with Humid.	PGI-850V	PGI-850VH with Humid.
<b>Temperature Range</b>	0°C ~ 60°C				
<b>Temperature Control</b>	PID temperature controller, PV actual value and SV setting value displayed at the same time				
<b>Temperature Precision</b>	±0.1°C				
<b>Touch Setting</b>	Power, cooling temperature, humidity, illumination timer device				
<b>Safety Device</b>	overheat and over low cut off device. 2-stage protection with safety protection alarm and indicator, compressor delay-start, high and low pressure of cold media protection device				
<b>Heater</b>	1200 Wat			2000 Wat	
<b>Refrigerator</b>	1/3 HP R134a			3/4 HP R134a	
<b>Humidity Display</b>	-	PID Humidity controller, PV actual value & SV setting value displayed at the same time		-	PID Humidity controller, PV actual value & SV setting value displayed at the same time
<b>Humidity Control</b>	-	30% RH ~ 95% RH		-	30% RH ~ 95% RH
<b>Control Precision</b>	-	± 3%		-	± 3%
<b>Humidity Display</b>	-	Digital		-	Digital
<b>Humidity Device</b>	-	Ultrasonic wave stainless steel (Back-mounted)		-	Ultrasonic wave stainless steel (Back-mounted)
<b>Illumination</b>	4000-8000 LUX				
<b>Timer</b>	24H Temperature and light control				
<b>Shelf / Inner Chamber</b>	4 psc / W650xD550mm			4 psc / W820xD820mm	
<b>Inside Dimension (WxDxH)</b>	680 x 580 x 1400 mm (Approx 550 L)			850 x 850 x 1400 mm (Approx 1010 L)	
<b>Outside Dimension (WxDxH)</b>	760 x 820 x 1870 mm			930 x 1060 x 1860 mm	
<b>Volume</b>	550 L			1010 L	
<b>Power Voltage</b>	110V/220V14A/7A	110V/220V16A/8A		110V/220V14A/7A	110V/220V16A/8A
<b>Weight</b>	200 kg		210 kg		