



## GENERAL PURPOSE INCUBATOR BIGP-613

# GENERAL PURPOSE INCUBATOR BIGP-613

## INCUBATOR

Widely used in scientific research, pharmaceutical, foodstuff, materials science, cosmetics, tobacco, microbe, chemical industry, electronics and other fields.

A constant temperature and humidity chamber/mold incubator can provide a stable temperature and humidity environment, simulate various climatic conditions, especially used in samples tests, shelf life tests, long-term experiments and cultivation of plants, seeds and microorganisms.

According to Chinese pharmacopoeia requirements, AS3100 of Australia, FDA of the United States, EN, ICH and other related standards. For long-term acceleration experiments and forced degradation experiments.

IQ, OQ, PQ and other related certification services.

CE certification. Two-year warranty period.



### Refrigeration Technology

World famous compressor: balanced refrigeration technology, auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving.

Auto-defrost function: original rapid heat pump defrost technology, for continuous operation, effectively prevent frost because of continuous operation of evaporator. Refrigeration effect manual control system: meet customer's terrible work environment.

Imported DuPont SUVA R134a environmental refrigerant. For cleaner world, for better work condition.

To save energy, to reduce the cost.

## SPECIFICATIONS

Model	BIGP-613
Convection mode	Forced-convection
Control mode	30 Programmable PID Control System
Temperature range (°C)	0~65°C
Humidity range	40~95%RH
Temp. resolution (°C)	0.1
Temp. fluctuation (°C) (10-40°C)	±0.5
Humidity fluctuation (RH)	±2
Timing range	0~99Hour, Or 0~9999min
Running environment	environment temp.10-30; relative humidity below 70%
Heat insulator material	imported environmental protection material
Material of internal surface	SUS304 Interior steel materials
Power voltage	Single phase AC220V/50Hz
Sterilization function	-
Temp. uniformity (°C) 10-40°C	±1.5
External dimension (mm) (HxWxD)	1700x745x930
Liner dimension (mm) (HxWxD)	1052x601x639
Liner volume (L)	400
Shelves	4
Rated power (W)	1350
Net weight (KG)	158.5
Gross weight (KG)	188
Package size (mm) (HxWxD)	1907x815x1090
Alt Name	Constant Temperature And Humidity Chamber



## ACCESSORIES FOR PURCHASE

No	Name
1	Portable printer
2	Touch LCD controller
3	Gas Interface
4	Built-in power supply interface
5	Programmable software

## FEATURES

### Refrigeration Technology

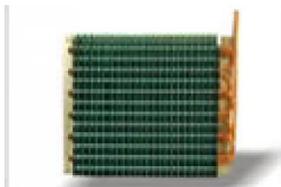
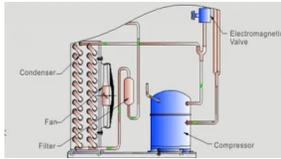
World famous compressor: balanced refrigeration technology, auto defrost, multiple security system, long time running, environmental protection, high efficiency and energy saving.

Auto-defrost function: original rapid heat pump defrost technology, for continuous operation, effectively prevent frost because of continuous operation of evaporator.

Refrigeration effect manual control system: meet customer's terrible work environment.

Imported DuPont SUVA R134a environmental refrigerant. For cleaner world, for better work condition.

To save energy, to reduce the cost.

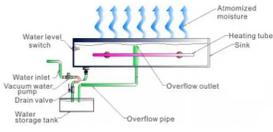


### Humidification System

Original design of humidification system, prevent disadvantages (non uniformity, instability) of traditional atomizer design.

Automatic water intake, automatic water level control, ensure the precision of humidity control.

Stainless steel SUS304 internal surface and water tank, ensure the quality of atomization and uses persistent.



### Efficient Isolation Design

Double-layer isolation design, reduce power consumption, environmental protection concept, energy conservation.  
 Internal isolated door design, easy observation of working room samples, keep temperature stable in the working room.



### Excellent imported temperature and humidity sensor

Imported industrial sensor PT100, short response time, low self-heating temperature.  
 Imported humidity sensor, aerospace material, no maintenance, precise humidity control level.



Pt100temperature sensor



Precise humidity sensor

### Programmable PID Control

Integrated dot-matrix LCD display, Chinese and English subtitles, all the parameters display clearly at a glance. friendly design, display parameters: temperature, humidity, cycle, run time, run/stop.

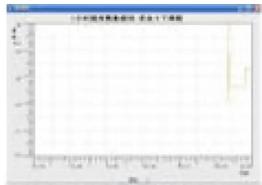
Adaptive PID controllers precisely control the temperature and humidity, prevent temperature soaring, keep the working room temperature stable and uniform.

User password protection, built-in multifunctional memory menu, connect to multiple devices (up to 16 units) by RS485 interface, real-time monitoring.

Programmable multi-sections control, to meet customer needs, temperature and humidity control up to 30 sets. Time setting: 0~99h, 0~9999m, programs can be executed automatically.

Set operations with beep tips

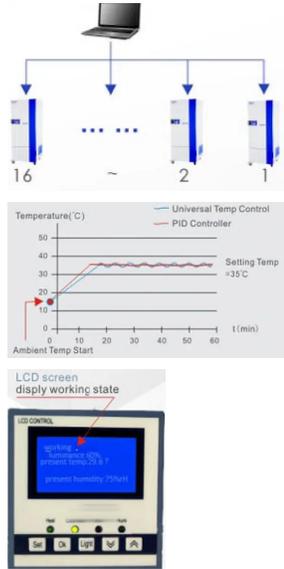
Remote-controlled operation, with programmable software (option). Bacteria-free culture with UV disinfection (meet Mold incubator)



Software Monitor



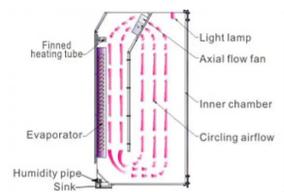
## Micro-computer intelligent controller



## Perfect Air Current Cycling

Air current cycling: perfect forced convection, maximum samples number of working room, minimum temperature recovery time after opening, world famous axial fan, perfect air current design, ensure an ideal result of samples culture.

Air current cycling: keep temperature continuous and stable, keep humidity continuous and stable, ensure perfect sample culture environment.



**Biolab Scientific Ltd.**

Trillium Executive Center, East Tower, 675 Cochrane Dr, Markham, Ontario L3R 0B8, Canada

Email: [info@biolabscientific.com](mailto:info@biolabscientific.com) | Website: [www.biolabscientific.com](http://www.biolabscientific.com)