

# Performer Incubator

## Fan Forced (Ambient +5°C to 100°C)

### LABEC Performer Series Incubators

are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. Suitable for applications such as microbiological incubating which require precise temperature control.

The tri-wall construction provides similar heating to a water jacket system together with an internal glass door provides excellent temperature uniformity, the spatial variation at 37°C is  $\pm 0.5$  °C.

Using fan forced convection heating which circulates the warm air inside the chamber thus providing improved uniformity and recovery after the door is opened.



PID Control display system

**Controller** – A digital microprocessor based PID temperature controller controls the temperature within the range ambient +5°C to 100°C with a temperature accuracy of  $\pm 0.2$ °C.

#### Standard features include:

- RCD/ ELB (earth leakage breaker).
- Over Temperature Thermostat.
- Stainless Steel exterior.
- Magnetic self closing door.
- Adjustable/removable shelving.

#### Data logging

When optioned the controller can be connected via RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect this information. Software is available for programming and monitoring.

#### Additional options

To suit your requirements the addition of options such as programmable controllers, timers and internal lighting are available.

## SPECIFICATIONS

# Performer Incubator

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Model	IAF14	IAF18	IAF24	IAF36	IAF50
Capacity (litres)	32	66	160	300	507
Int. Dim. (cm) H x W x D	35 x 30 x 30	46 x 38 x 38	60 x 50 x 50	90 x 60 x 50	120 x 65 x 65
Ext. Dim. (cm) H x W x D	73 x 42 x 55	83 x 58 x 66	102 x 69 x 75	135 x 80 x 80	170 x 85 x 85
Temp. Controller	Digital PID Controller				
Temp. Min	Ambient+5°C				
Temp. Max	100°C				
Temp. Setting Accuracy	0.1°C				
Temp. Fluctuation	+/- 0.2°C				
Temp. Sensor	Pt 100 ohms				
Heating System	Electric Element				
Interior Material	Stainless Steel with inner glass door.				
Exterior Material	Stainless Steel				
Shelves	2				3
Options	Glass viewing window, cable entry port, programmable controller, timer, additional shelves.				
Safety Features	Over temperature alarm, temperature protection cut off, earth leakage breaker (ELB)				
Power Supply	240v/ 50Hz				
Power (W)	200	200	300	600	1000
Weight (kg)	30	40	60	80	110

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