

# Water Jacket Incubator

(Ambient +5°C to 80°C)

**LABEC Water Jacket Incubators** are manufactured in Australia with high quality stainless steel for easy maintenance and excellent durability. Suitable for applications where non drying of samples is essential and precise temperature conditions are critical.

The tri wall construction with Water Jacket envelopes the chamber providing superior temperature stability while eliminating contamination and cold spots. In addition, the water jacket is surrounded by insulation, which makes this type of incubator ideal for precise incubation conditions.

The heating to a water jacket system together with an internal glass door provides excellent temperature uniformity; the spatial variation at 37°C is  $\pm 0.5^\circ\text{C}$ .



Model IWJ14



PID Control display system

**Controller** – A digital microprocessor based PID temperature controller controls the temperature within the range ambient +5°C to 80°C with a temperature accuracy of  $\pm 0.1^\circ\text{C}$ .

## 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 fan forced circulation, programmable controllers, timers and internal lighting are available.

## SPECIFICATIONS

# Water Jacket Incubator (Ambient +5°C to 80°C)

Model	IWJ14	IWJ18	IWJ24	IWJ36	IWJ48
Capacity (litres)	32	66	160	300	375
Int. Dim. (cm) HxWxD	35 x 30 x 30	46 x 38 x 38	60 x 50 x 50	90 x 60 x 50	120 x 60 x 50
Ext. Dim. (cm) HxWxD	65 x 50 x 40	80 x 58 x 48	97 x 70 x 60	134 x 80 x 60	157 x 80 x 60
Temp. Controller	Digital PID Controller				
Temp. Min	Ambient +5°C				
Temp. Max	80°C				
Temp. Setting Accuracy	0.1°C				
Temp. Fluctuation	+/- 0.1°C				
Jacket Type	Water				
Exterior Material	Stainless Steel				
Interior Material	Stainless Steel				
Shelves	2			3	
Options	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)	150	150	150	400	400
Weight (kg)	65	90	120	120	130

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