

Water Jacket Incubator

Refrigerated (0°C to +80°C)

LABEC Water Jacket Refrigerated

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 ± 0.5 °C.



Model IWJC24



PID Control display system

Controller – A digital microprocessor based PID temperature controller controls the temperature within the range 0°C to +80°C with a temperature accuracy of ± 0.1 °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

Refrigerated (0°C to +80°C)

| Model | IWJC14 | IWJC18 | IWJC24 | IWJC36 | IWJC48 |
|------------------------|--|---------------|---------------|---------------|---------------|
| 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 | 85 x 50 x 40 | 100 x 58 x 48 | 117 x 70 x 60 | 154 x 80 x 60 | 182 x 80 x 60 |
| Temp. Controller | Digital PID Controller | | | | |
| Temp. Min | 0°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 304 SUS | | | | |
| 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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