



## Thermo Scientific Water Jacketed 3010 CO<sub>2</sub> Incubator

**Unsurpassed thermal protection  
for your cultures**

### **Superior water jacket design for unexcelled security**

Thermo Scientific Water Jacketed CO<sub>2</sub> incubators protect your cultures by surrounding them with an insulated triple-wall cabinet construction and a jacket of temperature conditioned water. This provides unsurpassed protection against unwanted heat loss, even in the event of a power outage! Our incubators are the ideal choice for laboratories concerned with exposing their cultures to potential disruption of power or significant ambient temperature fluctuations.

- Unique triple-wall construction protects against ambient temperature fluctuations
- Large 6.5 cu. ft. corrosion resistant stainless steel chamber
- Patented, heated dual-pane, inner-glass door minimizes condensation with improved responsiveness and faster temperature recovery
- Internal shelves are easily installed and removed without tools for easy cleaning
- Remote alarm contacts for connection to in-house alarm system
- Stacking kit included for dual stack configuration
- Choice of TC or IR sensor based CO<sub>2</sub> control

# Thermo Scientific Water Jacketed 3010 CO<sub>2</sub> Incubator



## Optional Class 100 HEPA Filtered Air Protection

- Class 100 HEPA airflow is the preferred method of protection for water jacket incubators.
- In-chamber HEPA air filtration system continuously filters the entire chamber volume every minute, creating cleanroom Class 100 conditions to preserve your aseptic culturing environment.
- Add the optional in-chamber HEPA filter to effectively address airborne contaminants from routine door openings, that are the primary source of contamination in most cell culture settings.

## Easy to clean

- Polished stainless steel interior with 100% covered corners is easy to clean, saves time and reduces contamination risk.
- Sturdy stainless steel shelves and supports can be readily removed without tools for easy cleaning, autoclaving or adjustment.
- Patented inner-door gasket is removable and cleanable, and adjusts continually to ensure a tight seal.
- Optional in-chamber HEPA filter snap-fits, making it easy to remove without tools.

## PRODUCT SPECIFICATIONS

### TEMPERATURE

Control	±0.1°C
Range	5°C above ambient to 55°C (131°F)*
Uniformity	±0.2°C @ 37°C (98.6°F)
Tracking Alarm	User-programmable high/low

### TEMPERATURE SAFETY

Sensor	Precision thermistor
Controller	Independent analog electronic
Setability	0.1%

### CO<sub>2</sub>

CO <sub>2</sub> Control	Better than ±0.1%
CO <sub>2</sub> Range	0-20%
Inlet Pressure Required	15 PSIG (1.0 bar)
CO <sub>2</sub> Sensor	TC or IR
Readability & Setability	0.1%
Tracking Alarm	User-programmable high/low

### HUMIDITY

RH	Ambient to 95% @ 37°C (98.6°F)
Humidity Source	3.2 qt. (3.0 liters) standard, pan

### FITTINGS

Fill Port	3/8" hose (barbed)
Drain Port	1/4" hose (barbed)
Access Port	1.3" (3.3 cm) with removable silicone plug with filter
CO <sub>2</sub> Inlet	1/4" hose (barbed)

### UNIT HEAT LOAD

120V	344 BTU/Hr
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### SHELVES

Dimensions (w x h) inch/cm	18.5 x 18.5 (47 x 47)
Construction	Stainless steel, perforated
Surface Area	2.4 sq. ft. (0.2 sq. m)
Max. per Chamber	40.8 sq. ft. (3.8 sq. m)
Standard, Maximum	4, 17
Water Jacket Volume	11.7 gal. (43.5 L)

### CONSTRUCTION

Interior Volume	6.5 cu. ft. (184.1 L)
Interior	Type 304, mirror finish, stainless steel
Exterior	18 gauge, cold-rolled steel, powder coated

### ELECTRICAL

Rated Voltage	120V, 60Hz, 3.6 FLA (Operating range 90-125V)
Circuit Breaker/Power Switch	6 Amps/2 Pole
Plug	NEMA 5-15
Alarm Contacts	Power interruption; deviation of temp, CO <sub>2</sub>

### DIMENSIONS

Exterior (w x h x d) inch/cm	26 x 39.5 x 25 (66.8 x 100.3 x 63.5)
Interior (w x h x d) inch/cm	21.3 x 26.8 x 20 (54.1 x 68.1 x 50.8)

### WEIGHT

Net	265 lbs. (120.2 kg)
Net Operational	365 lbs. (166 kg)
Shipping	324 lbs. (147 kg)

## ORDERING INFORMATION

CAT. NO.	DESCRIPTION
3010	Thermo Scientific Water Jacket CO <sub>2</sub> Incubator 3010, 6.5 cu. ft. capacity stainless steel chamber, w/ TC CO <sub>2</sub> sensor, 120V, 60Hz
3020	Thermo Scientific Water Jacket CO <sub>2</sub> Incubator 3020, 6.5 cu. ft. capacity stainless steel chamber, w/ IR CO <sub>2</sub> sensor, 120V, 60Hz
190647	Roller base
1902000	HEPA filter airflow system, factory installed
190884	Stainless steel shelf kit (includes shelf channels and shelf)
237016	Stainless steel humidity pan (small)
1900067	Replacement HEPA & inline filter kit
965010	Two stage CO <sub>2</sub> regulator
3050	External gas guard, 120V

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