

Thermo Scientific Series 8000 WJ

Simply More Security



Maximum Thermal Protection

With a triple wall construction and large volume of water, Thermo Scientific Series 8000 WJ, water jacket CO₂ incubators provide unsurpassed temperature stability and protection against heat loss.

The water jacket technology holds the temperature for extended periods of time, which is critical during power failures. Under test conditions, the temperature dropped initially at only 1 °C per hour and just 7.6 °C in 10 hours.

Thermo Scientific Series 8000 WJ CO₂ incubators also provide fast temperature recovery. The patented, heated, dual pane glass inner door is more responsive than standard doors and minimizes condensation.

Easy set up

The incubator message center controls are powerful and intuitive. The remote alarm contacts and an optional digital RH display enable continual monitoring for humidity dependent applications.

Water Jacket

System Configuration – Configure audible on/off, access code, HEPA filter change reminder, remote alarm contacts, tracking low temp and high and low CO₂ alarms.

Main Switch – Series 8000 DH on front Series 8000 WJ on side

Alarms

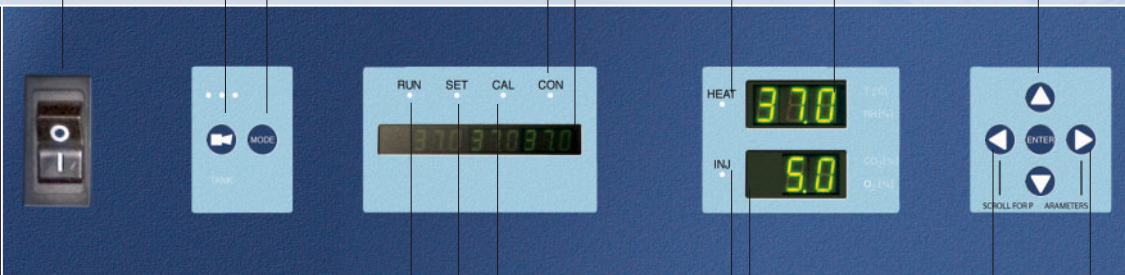
Mode Select

Message Center

Heater On Indicator

Programming buttons

Temperature Display/
RH Display (optional)



Run – Class 100 timing reminder appears after door is closed for five minutes, message changes to describe alarm conditions

Setpoint – Set temp, overtemp, CO₂

Calibration – Calibrate temp, CO₂, RH (optional)

Scroll for Program
Parameters

Gas Inject Indicator

CO₂ Display/O₂ Display (optional)

Thermo Scientific Series 8000 WJ CO₂ Incubators



Technical 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 °C
CO ₂ /O ₂	
CO ₂ /O ₂ Control	Better than ±0.1 %
CO ₂ Range	0-20 %
O ₂ Range	1-20 %
Inlet Pressure	15 PSIG (1.0 bar)
CO ₂ Sensor	T/C or IR
O ₂ Sensor	Fuel cell
Readability & Setability	0.1 %
Tracking Alarm	User-programmable high/low
Humidity	
RH	Ambient to 95 % @ 37 °C (98.6 F)
Humidity Pan	3.2 qt. (3.0 liters) standard
Display (opt.)	In 1% increments
Fittings	
Fill Port	3/8" hose (barbed)
Drain Port	1/4" hose (barbed)
Access Port with filter	1.3" (3.3 cm) with removable silicone plug
CO ₂ Inlet	1/4" hose (barbed)
Unit Heat Load	
115 V/230 V	344 BTUH (100 watt)

Shelves (Continued)	
Dimensions	18.5" x 18.5" (47.0 cm x 47.0 cm)
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
Construction	
Water Jacket Volume	11.7 gal. (43.5 liters)
Interior Volume	6.5 cu. ft. (184.1 liters)
Interior	Type 304, mirror finish, stainless steel
Exterior	18 gauge, cold-rolled steel, powder coated
Outer Door Gasket	Four-sided, molded, magnetic vinyl
Inner Door Gasket	Removable, cleanable, feather-edged, silicone
Electrical	
All	115 V, 50/60 Hz, 3.6 FLA (Operating range 90-125 V) 230V, 50/60 Hz, 2.0 FLA (Operating range 180-250V)
Circuit Breaker/Power Switch	6 Amps/2 Pole
Convenience	75 watts max. (one per receptacle chamber)
Plug	115 V: NEMA 5-15P plug; 230 V: CEE 7/7 plug
Alarm Contacts	Power interruption; deviation of temp. CO ₂ , O ₂ , RH; customer connections through jack on back of unit
Dimensions	
Exterior (w x h x f-b) inch/cm	26.0 x 39.5 x 25.0 / (66.0 x 100.3 x 63.5)
Interior (w x h x f-b) inch/cm	21.3 x 26.8 x 20.0 / (54.1 x 68.1 x 50.8)
Weight	
Net	265 lbs. (120.2 kg)
Net Operational	365 lbs. (165.6 kg)
Shipping (Motor)	324 lbs. (147.0 kg)

Ordering Information

Cat No.	CO ₂	O ₂	Voltage	Cat No.	CO ₂	O ₂	Voltage
3428	TC	–	115 VAC	3429	TC	–	230 VAC
3422	IR	–	115 VAC	3423	IR	–	230 VAC
3424	TC	yes	115 VAC	3425	TC	yes	230 VAC
3426	IR	yes	115 VAC	3427	IR	yes	230 VAC

Choice of T/C or IR Sensor

Select a T/C sensor when chamber temp and RH are relatively constant. Typically, a T/C sensor has a longer life than an IR sensor.

Select an IR sensor when temp and RH levels are changed frequently. With either sensor, elevated RH is critical to prevent desiccation.



Detaylı bilgi için; 0312 344 26 05
satis@kayralabtek.com

