

### Specifications

#### Capacity

W/J Volume	43.5 litres (11.7 gal)
Interior Volume	184.1 litres (6.5 cu ft)

#### Construction

Interior	Type 304. mirror finish stainless steel
Exterior	18 gauge, cold rolled steel
Outer Door Gasket	Four sided, moulded, magnetic vinyl
Inner Door Gasket	Removable, feather-edged, silicone

#### 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

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

CO <sub>2</sub> / O <sub>2</sub> Control	Better than ±0.1%
CO <sub>2</sub> Range	0-20%
O <sub>2</sub> Range	1-20%
Inlet Pressure	15 PSIG (1.0 bar)
CO <sub>2</sub> Sensor	T/C or IR
O <sub>2</sub> Sensor	Fuel Cell
Readability	0.1%
Setability	0.1%
Tracking Alarm	User programmable high/low

#### Humidity

RH	Ambient to 95% @ 37°C (98.6°F)
Pan (Humidity)	3.2 qts (3 litres) standard
Optional Display	In 1% increments
Optional Data Outputs	

#### Shelves

Dimensions	470 x 470 (mm) 18.5 x 18.5 (in)
Construction	Stainless steel, perforated
Surface Area	0.2 sq m (2.4 sq ft)
Max per chamber	3.8 sq m (40.8 sq ft)
Standard	4
Maximum	17

#### Dimensions H x W x D

Exterior	1003 x 660 x 635 (mm) 39.5 x 26.0 x 25.0 (in)
Interior	681 x 541 x 508 (mm) 26.8 x 21.3 x 20.0 (in)

#### Temperature Safety

Sensor	Precision thermistor
Controller	Independent analog electronic
Setability	0.1°C

#### Fittings

Fill Port	3/8" hose (barbed)
Drain Port	1/4" hose (barbed)
Access Port / filter	1.3" (33mm) with removable silicone plug
CO <sub>2</sub> Inlet	1/4" hose (barbed)

#### Unit Heat Load

115V / 230V	344 BTUH (100 Watt)
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#### Electrical

3110/3120/3130/3140	115V, 50/60Hz, 3.6 FLA (Operating range 90-125V)
3111/3121/3131/3141	230V, 50/60Hz, 2.0 FLA (Operating range 180-250V)
Circuit Breaker / Power Switch	6 Amps / 2 pole (Operating range 180-250V)
Alarm Contacts	Deviation of temperature, CO <sub>2</sub> RH, power failure. Customer connections through jack on back of unit.
Plug	115V: NEMA 5-15 P Plug, 230V: CEE 7/7 Plug
Convenience Outlet	75 Watts max ( one per chamber)
RS485, 0-1V, 0.5V, 4-20 milliamp	( select one )
<b>Weight ( per single chamber unit )</b>	
Net	120kg (265 lbs)
Net Operational	166 kg (365 lbs)

\* 50°C (122°F) on Model 3120 (3121), 45°C (113°F) on Models 3130 (3131) and 3140 (3141)

### Ordering Information

Cat No.	Description	Power Requirements	CO <sub>2</sub> Sensor
<b>CO<sub>2</sub> / O<sub>2</sub> Incubators</b>			
3130	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	115V 50/60Hz	T/C
3131	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	230V 50/60Hz	T/C
3140	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	115V 50/60Hz	I/R
3141	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	230V 50/60Hz	I/R
<b>CO<sub>2</sub> Incubators</b>			
3110	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	115V 50/60Hz	T/C
3111	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	230V 50/60Hz	T/C
3120	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	115V 50/60Hz	I/R
3121FOR	Water Jacketed CO <sub>2</sub> / O <sub>2</sub> Incubator	230V 50/60Hz	I/R