

Section 10 Specifications*

Temperature

Control	.....	±0.1°C @ 37.0°C
Setpoint	.....	Digital touch pad, 0.1°C resolution
Range	....	5°C over ambient to 50°C, factory default 10.0°C (disabled)
Uniformity	.	±0.2°C@+37°C, in a 23°C ambient @ nominal line voltage
Display	.....	Digital, LED, 0.1°C increments
Sensor	.....	Thermistor

Over Temperature Protection

Setpoint	.....	Fixed @ 160°C, ±5.6°C
Sensor	.....	Thermostat, manual reset
Action	.....	removes voltage from heaters to disable heat control

Relative Humidity

Control	.....	±2.0%
Range	.....	Ambient level to 90%**
Controller	.....	Microprocessor
Humidity system	.....	95% RH at 37°C
Setpoint	.....	Digital touch pad, 1% resolution
Display	.....	Digital LED, 1% resolution

CO₂

Control	.....	±0.1% @ 5.0%
Sensor	.....	Infrared
Setpoint	.....	Digital touch pad, 0.1% resolution
Range	.....	0 to 20%, factory default 0% (disabled)
Inlet Pressure	.....	15 PSIG, ±5 PSIG
Controller	.....	Microprocessor
Display	.....	Digital LED, 0.1% increments

**Specifications are based on nominal voltages of 115V or 230V in ambients of 22°C to 25°C.*

***Humidity greater than or equal to 90% may lead to condensation depending on environmental conditions in the work area.*

Shelves

Standard	5
Maximum	22
Construction	Stainless steel, perforated
Clearance	Adjustable on 1.160" centers
Dimensions (3307/3308) . . .	17.7" x 19.9" (45.2cm x 50.5cm)
Surface area	2.4 sq. ft. per shelf
Dimensions (3310/3311) . . .	25.7" x 19.9" (65.5cm x 50.5cm)
Surface area	3.6 sq. ft. per shelf
Loading	50 lbs. (22.7kg) stationary

Sterilization Cycle

Setpoint	140°C
Cycle time	Approximately 14 hours @ 23°C, nominal line voltage
Activation	Digital touch pad

Construction

Interior volume	
3307/3308	8.2 cu. ft. (232.2 liters)
3310/3311	11.4 cu. ft. (322.8 liters)
Interior	Type 304 stainless steel mirror finish, coved corners
Exterior	18 gauge cold rolled steel, powder-coated
Outer door gasket	Four-sided, molded, magnetic vinyl
Inner door gasket	Silicone feather
Insulation	Mineral wool

Fittings

Access port	1.4" (3.6cm) with removable silicone plug
CO ₂ inlet	1/4" (0.64cm) hose barbed
Drain port	3/8" (0.95cm) barbed fitting with shutoff

Electrical

115VAC, 50/60 Hz, 1PH (Operating range 90-125VAC), . . .

Model 3307 10.5 FLA, Model 3310 11.5 FLA

Circuit breaker power switch . . 15A, 2 Pole (Model 3307/3310)

230VAC, 50/60 Hz, 1 PH (Operating Range 180-250VAC)

Model 3308 5.4 FLA, Model 3311 5.9 FLA

Circuit breaker power switch . . 10A, 2 Pole (Model 3308/3311)

Power interconnect IEC 320, male

Power inlet cord . . . 8' (2.4m) cord with IEC 320 female plug and
country specific plug

Accessory outlet . . Standard, 115V/220V export, 75 watts max. (one
per chamber)

Alarm contacts . . .Deviation of temperature, CO2, RH, power failure.
N/O and N/C

Dimensions

Exterior . . (3307/3308)35.0" W x 39.4" H x 27.0" F-B (88.9cm x
100.1cm x 68.6cm)

(3310/3311)43.0" W x 39.4" H x 27.0" F-B (109.2cm x
100.1cm x 68.6cm)

Weight

Net weight. Model 3307/3308 - 330 lbs. (149.7kg), . .
Model 3310/3311 - 410 lbs. (186.0kg)

Shipping (motor)Model 3307/3308 - 400 lbs. (181.4kg),
Model 3310/3311 - 480 lbs. (217.7kg)

Certifications

Declarations of Conformity available on request

Safety Specifications

Indoor Use Only

Altitude Up to 2,000 meters

Temperature 5°C to 40°C

Humidity . . . Maximum 80% RH for temperatures up to 31°C,
decreasing linearly to 50% RH at 40°C

Mains Supply Fluctuations . . Mains supply voltage fluctuations not to
exceed $\pm 10\%$ of the nominal voltage

Installation Category II ¹

Pollution Degree 2 ²

Class of Equipment I

¹ Installation Category (overvoltage category) defines the level of transient overvoltage which the instrument is designed to withstand safely. It depends on the nature of the electricity supply and its overvoltage protection means. For example, in CAT II which is the category used for instruments in installations supplied from a supply comparable to public mains such as hospital and research laboratories and most industrial laboratories, the expected transient overvoltage is 2500V for a 230V supply and 1500V for a 120V supply.

² Pollution Degree describes the amount of conductive pollution present in the operating environment. Pollution Degree 2 assumes that normally only non-conductive pollution such as dust occurs with the exception of occasional conductivity caused by condensation.