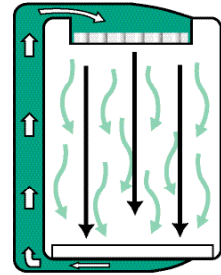


Steri-Cult has been the leading name in high precision, high volume cell culture for more than 15 years. The largest stackable cell culture chambers on the market are combined with a new external controlled humidification system, Rapid Response Class 100 chamber air filtration, on-demand heat sterilisation and unique inventory management systems to create the ideal high throughput or GLP/GMP culture incubator.

Product Features

- 11.4 and 8.2 cu ft (322.8 and 232.2 litres) culture chambers
- Easy to clean covered corner stainless steel chamber
- Easy to fill and clean external humidification system with backlit viewing window
- Controlled humidification up to 95%, without condensation
- Rapid Response Class 100 chamber air within 5 minutes

- Validatable 140°C chamber sterilisation cycle
- Powerful and easy to program Enviro-Scan monitoring system with 16 character Message Centre
- Full range of available analog and digital signal outputs
- Unique inventory management system
- Unique shelf "soft stop" system
- Five heavy-duty, perforated shelves with central pull points
- cULus Listed and CE Marked



Independent White Papers

- Importance of Class 100 Air in a CO₂ Incubator.
- Visit www.thermo.com to download a copy.

Enviro-Scan for Precise Control and Monitoring

Inject indicator and CO₂ display - Lights when CO₂ is being injected and displays the percent CO₂

Heat Indicator and Temperature Display - Lights when heaters are on and displays the temperature

Run - Is the normal operating mode; message changes to describe alarm conditions and status updates

Mode - Used to select the Run, Settings, Calibrate, or Configuration mode

Message Center - 16-character alpha-numeric LED displays setpoints, "Class 100" during normal operation, and other messages

Scroll for Program Parameters

Alarm Silence and Indicator - Silences the alarm and indicates (pulses on/off) an alarm condition

Sterilisation Cycle Button - Starts the sterilisation cycle (press and hold)

Programming Buttons

Humidity Indicator and RH Display - Lights when humidity is required and displays the percent humidity

Settings Mode - Used to set the following parameters:

- Temperature
- Overtemperature
- CO₂
- RH

Calibrate - Used to calibrate the following parameters:

- Temperature
- CO₂
- RH

Configuration - Used to configure the following parameters:

- Audible On/Off
- Access Code
- Remote Alarm Contacts
- Tracking Low Temperature Alarm
- Tracking High and Low CO₂ Alarm
- Tracking High and Low RH Alarm
- Replace HEPA Alarm Configuration
- Optional RS-485 Interface
- Optional Automatic Tank Selector

Specifications

Interior Volume

3307 / 3308	232.2 litres (8.2 cu ft)
3310 / 3311	322.8 litres (11.4 cu ft)

Temperature

Control	±0.1°C @ 37°C (98.6°F)
Range	5°C above ambient to 50°C (122°F)
Uniformity	±0.2°C @ 37°C (98.6°F)

Temperature Safety

Sensor	Thermistor
Controller	Microprocessor
Setability	0.1°C
CO₂	
Control	±0.1% @ 5.0%
CO ₂ Range	0-20%
Inlet Pressure	15 PSIG (1.0 bar)
CO ₂ Sensor	Dual Beam IR
Readability	0.1%
Setability	0.1%
Tracking Alarm	User Programmable High/Low

Humidity

RH	Ambient to 95% RH, Non Condensing
Humidity Control	±2.0%
Humidity Reservoir	1.0 gal (3.8 litres)

Fittings

Access Port	1/4" (36 mm) with removable silicone plug
CO ₂ Inlet	1/4" hose (barbed)
Drain Port	3/8" barbed fitting with shutoff

Unit Heat Load

Typical Operation	
3307	2472 BTUH (727 Watt)
3310	2544 BTUH (748 Watt)
3308	2706 BTUH (796 Watt)
3311	2778 BTUH (817 Watt)

Sterilisation Cycle

3307	2472 BTUH (727 Watt)
3310	2544 BTUH (748 Watt)
3308	2706 BTUH (796 Watt)
3311	2778 BTUH (817 Watt)

Dimensions H x W x D

Exterior	
3307 / 3308	1001 x 889 x 686 (mm) 39.4 x 35.0 x 27.0 (in)
3310 / 3311	1001 x 1092 x 686 (mm) 39.4 x 43.0 x 27.0 (in)

Ordering Information

Cat No.	Description
3307	Steri-Cult Incubator 232.2 litres (8.2 cu ft)
3308	Steri-Cult Incubator 232.2 litres (8.2 cu ft)
3310	Steri-Cult Incubator 322.8 litres (11.4 cu ft)
3311	Steri-Cult Incubator 322.8 litres (11.4 cu ft)

Dimensions H x W x D

Interior	
3307 / 3308	833 x 528 x 523 (mm) 32.8 x 20.8 x 20.6 (in)
3310 / 3311	833 x 732 x 523 (mm) 32.8 x 20.8 x 20.6 (in)

Shelves

Dimensions	
3307 / 3308	452 x 505 (mm) 17.7 x 19.9 (in)
3310 / 3311	665 x 505 (mm) 25.7 x 19.9 (in)
Construction	Perforated Stainless Steel

Surface Area	
3307 / 3308	0.2 sq m (2.4 sq ft) per shelf
3310 / 3311	0.3 sq m (3.6 sq ft) per shelf
Standard	5
Maximum	22

Construction

Interior	Type 304 mirror finish stainless steel
Exterior	18 gauge, cold rolled steel, powder coated
Inner Door	1/4" 6mm fully tempered safety glass with cam action latch
Outer Door Gasket	Four Sided, Moulded, Magnetic Vinyl
Inner Door Gasket	Feather, Silicone

Electrical

3307	115V 50/60Hz, 11.5 FLA (Operating Range 90 -125V)
3310	115V 50/60Hz, 11.5 FLA (Operating Range 90 -125V)
3308	230V 50/60Hz, 5.9 FLA (Operating Range 180 -250V)
3311	230V 50/60Hz, 5.9 FLA (Operating Range 180 -250V)
Power Switch	2 Pole
Plug	115V: NEMA 5-15P Plug, 230V: CEE 7/7 Plug Deviation of temperature, CO ₂ , RH and power failure, accessed using RJ11 jack on rear of unit

Optional Data Outputs	RS-485, 0-1V, 0-5V, 4-20 milliamp (select one)
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Net Weight

3307 / 3308	149.7 kg (330 lbs)
3310 / 3311	186.0 kg (410 lbs)

Accessories

Cat No.	Description
1900153	Built In Gas Guard Kit
1900160	HEPA filter replacement kit (Includes HEPA and one in-line filter)
760208	HEPA [®] VOC filter
1900114	Stainless steel shelf for Model 3308
1900115	Stainless steel shelf for Model 3311
1900162	Roller dolly, supports one or two stacked model 3307 (3308) units
1900163	Roller dolly, supports one or two stacked model 3310 (3311) units
1900167	Full copper shelf kit for Model 3307/3308, includes 5 shelves and 2 stainless steel shelf channels
1900168	Full copper shelf kit for Model 3310/3311, includes 5 shelves and 2 stainless steel shelf channels
201912	Built-In Data Logger (Factory Fitted)
1900152	RS-485 Interface (Factory Fitted)