Thermo Fisher SCIENTIFIC





Environmental chambers

Precise control, exceptional results

Thermo Scientific Heratherm Environmental Chambers

thermo scientific



Thermo Scientific™ Heratherm™ Environmental Chambers offer exceptional environmental control in a hassle-free chamber that is easy to program and use.



Modern appearance, advanced performance

Sleek in appearance, our chambers blend aesthetics and precise environmental controls with innovative technology. Heratherm™ Environmental Chambers offer reliable and consistent performance supported by data capture and validation for 21 CFR Part 11. They are excellent for use in controlled environments with flexible configurations to meet the demands of academic, life science, and industrial workflows.

Our commitment to sustainability helps ensure responsible workflows

Help to reduce your environmental footprint* while achieving outstanding results with a Heratherm environmental chamber, offering decreased water and energy consumption and Peltier technology.

- Water-efficient humidification system with integrated water tank and optional clean water connection: please order with chamber
- Peltier technology supports temperature stability and uniformity with lower energy usage compared to traditional compressors
- Vertical low-energy LED lighting includes UV light and programmable light spectrum and day/night cycles

*When you upgrade from current models to new models.

Additional advanced features include:

- The four models available offer various controlled climates including humidity, temperature, light and UV light for testing, and CO_2 incubation.
- Appropriate for controlled environments:
  - Programmable interface for open or restricted user modes
  - Data logging for 21 CFR Part 11 and remote data monitoring needs
  - ICH stability and photostability testing: addressing temperature, humidity, light, and UV exposure according to guidelines Q1A(R2) and Q1B
- Security features including over-temperature alarm and switch-off features, door alarms, restricted protocol programming, various alerts, and manual/automated door locking
- Ease-of-use features including dual access ports for maximum flexibility and rounded corners for easy cleaning
- Compliance support and other services available.
  Visit thermofisher.com/chamberservice

At-a-glance environmental chamber comparison

Chamber type	Sizes	Temperature range	Humidity	Light	CO_2	Cat. No.
Thermo Scientific™ Heratherm™ Light Chamber						
Solid exterior door with interior glass door	750 L (26.5 cu. ft.)	0 to 70°C (15 to 45°C)*	10 to 80% RH*	LED technology	–	ELS750
Glass exterior door	750 L (26.5 cu. ft.)	0 to 70°C (15 to 45°C)*	10 to 80% RH*	LED technology	–	ELG750
Thermo Scientific™ Heratherm™ Stability Chamber						
Solid exterior door with interior glass door	750 L (26.5 cu.ft.)/250 L (8.8 cu.ft.)	0 to 70°C	10 to 90% RH	–	–	ESS750/ESS250
Glass exterior door	750 L (26.5 cu.ft.)/250 L (8.8 cu.ft.)	0 to 70°C	10 to 90% RH	–	–	ESG750/ESG250
Thermo Scientific™ Heratherm™ CO_2 Chamber						
Solid exterior door with interior glass door	750 L (26.5 cu.ft.)/250 L (8.8 cu.ft.)	0 to 70°C (15 to 45°C)*	10 to 90% RH	–	0 to 20% v/v	ECS750/ECS250
Glass exterior door	750 L (26.5 cu.ft.)/250 L (8.8 cu.ft.)	0 to 70°C (15 to 45°C)*	10 to 90% RH	–	0 to 20% v/v	ECG750/ECG250
Thermo Scientific™ Heratherm™ Incubation Chamber						
Solid exterior door with interior glass door	750 L (26.5 cu.ft.)/250 L (8.8 cu.ft.)	0 to 70°C	–	–	–	EIS750/EIS250
Glass exterior door	750 L (26.5 cu.ft.)/250 L (8.8 cu.ft.)	0 to 70°C	–	–	–	EIG750/EIG250

* with LED light switched on / CO_2 activated

High-performance light settings

Light chambers

Get extensive environmental control with versatile LED light distribution settings along programmable temperature and humidity ranges.



ELS750 with 3 plant growth LED modules installed.

*As shown in graph area A—based on testing from June 2023 to April 2024.

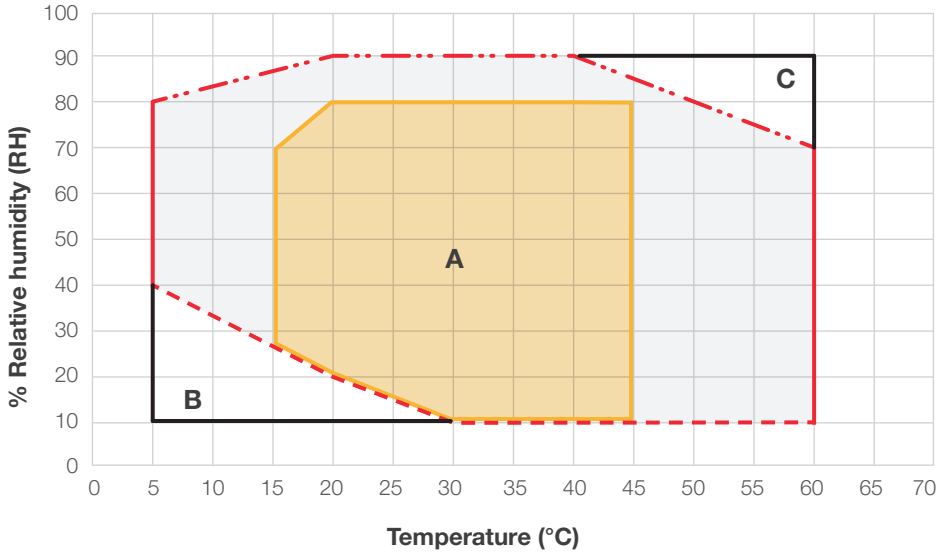
High-performance light settings for specialized applications including ICH testing, animal hatching, and plant growth. Features include:

- Accurate and even light distribution throughout chamber
- Increased energy efficiency and sustainability with long-lasting LED lighting, compared to fluorescent bulbs—no hazardous metal mercury
- Programmable range of light color and intensity available across red, blue, and white color spectrums, and UV channel on ICH mode
- Fits up to three light modules—sold separately as accessories
- Broad relative humidity range to cover many applications, including humidity levels below ambient
- Environmentally friendly water-efficient humidification system
- Minimal condensate in standard applications*
- Integrated water tank; fixed water connection for in-house purified water option available: please order with chamber.
- Energy-efficient Peltier technology supports temperature stability and uniformity with lower energy usage compared to traditional compressors and without hazardous refrigerant
- Two access ports for independent data capture and internal documentation of set and actual parameter values, along with event log to meet 21 CFR Part 11 requirements for process documentation
- Data retrieval via USB stick or Thermo Scientific™ Cloud via OPC-UA™ standard
- Sample and process protection: Assign password-protected access; restrict access with standard door lock, or optional automated door lock; various alarm options to prevent operator of process issues
- Intuitive 7-in. capacitive touchscreen interface with easy programmability of day/night cycles, temperature and relative humidity ramps, and process duration
- Simplified set-up with no technician required; install using standard power cord
- Additional features: Inner glass door keeps environments stable, even when opening outer door
- Rounded corners for easy cleaning
- Compliance support and other services available. Visit thermofisher.com/chamberservice

NOTE: Factory-installed electrical sockets not available for this model

Temperature and relative humidity ranges

Light chamber with temperature and RH control



Relative humidity: temperature
(Reference ambient condition: 22°C; <50% rel. humidity)

With activated LED light:
Temp: 15–45°C
RH: 10–80%

LED light boundaries
Area shows available range with LED light on

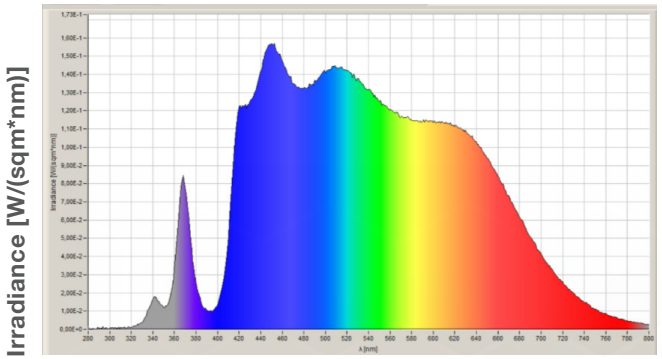
Maximum humidity, LED light off
(Condensate-free boundary line)

Minimum humidity, LED light off
(Requires low ambient temperature and humidity)

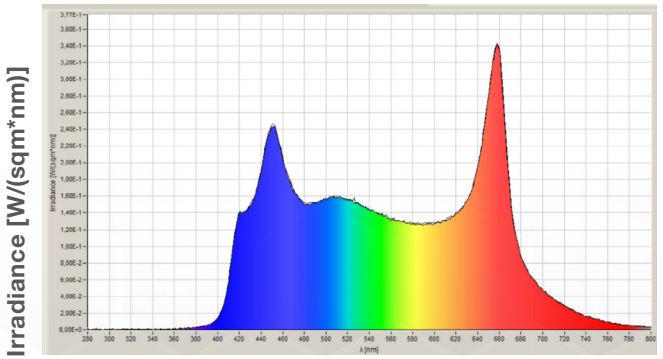
Area A
Effective temperature and humidity range (condensate-free area).

Area B
Very low temperature and humidity area. Reachable only if the ambient condition is significantly lower and the chamber samples are very dry.

Area C
Immediate condensation formation area at coldest point of the unit.



This graph shows the range of the light spectrum inside the light chamber when set with ICH light modules.



This graph shows the range of the light spectrum inside the light chamber when set up with plant growth light modules.







Specifications

Light chambers





Specifications	ELS750	ELG750
Chamber size	750 L (26.5 cu. ft.)	750 L (26.5 cu. ft.)
Door type	Solid door with inner glass door	Exterior glass door
Temperature		
Temperature range without light	0–70°C†	0–70°C†
Temperature range with light	15–45°C	15–45°C
Temperature increments	0.1°C	0.1°C
Humidity		
Humidity range at 37°C	10–80% RH with light, 10–90% RH without light	10–80% RH with light, 10–90% RH without light
Humidity increments	0.1%	0.1%
Water consumption	≤ 1.3 L/day*	≤ 1.3 L/day*
Light		
Number of light modules	1 to 3	1 to 3
Choice of light modules	ICH, plant growth/animal hatching/testing	Plant growth/animal hatching/testing
Electrical		
Voltage, power	100–240 V, 50/60 Hz, 1,650 W	100–240 V, 50/60 Hz, 1,650 W
Power plug**	Standard plug, based on country	Standard plug, based on country
Energy consumption with/without light	3-15 kWh/8-23 kWh per day*	3-15 kWh/8-23 kWh per day*
Shelving		
Shelves (std./positions)	3/36	3/36
Shelf construction	Perforated stainless steel, Type 1.4301/AISI 304	Perforated stainless steel, Type 1.4301/AISI 304
Dimensions		
Internal dimensions (W x H x D)	840 x 1450 x 630 mm (33.07 x 57.09 x 24.8 in.)	840 x 1450 x 630 mm (33.07 x 57.09 x 24.8 in.)
Exterior dimensions (W x H x D)	1080 x 1835 x 895 mm (42.52 x 72.24 x 35.24 in.)	1080 x 1835 x 895 mm (42.52 x 72.24 x 35.24 in.)
Shipping weight	391 kg (862 lbs.)	382 kg (842 lbs.)
Certifications		
	UL, CE	UL, CE

NOTE: 24-month warranty is standard with Heratherm Environmental Chambers. Compliance support and other services available. Please contact your representative for details

*Value depends on settings, usage, number of light modules installed, and environmental conditions.

**Power cord based on location of order: Australia, China, Denmark, India, Japan, EU Schuko, Switzerland, US: Nema 5-20P. Please ask for Nema 6-20P if desired.

†Temperature range is 0–70°C without humidity option and 0–60°C with humidity option. See "Light chamber with temperature and RH control" diagram on page 5 for more information.

Designed to meet your demands

Stability chamber

Gain confidence in your product when testing stability and shelf life with robust chambers designed to meet a variety of quality control demands.



A CO_2 with temperature and humidity option is available for incubation of non-human mammalian cells. All features remain the same with the addition of CO_2 capability**

*As shown in graph area A—based on testing June 2023 to April 2024.

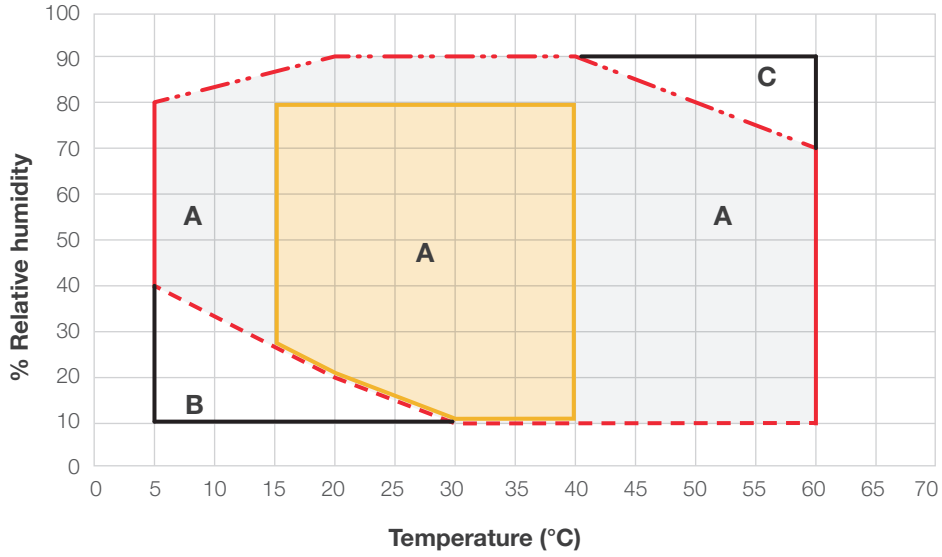
**No medical device certification.

Temperature and humidity controls are well-suited for stability testing, shelf-life testing, and environmental testing. Features include:

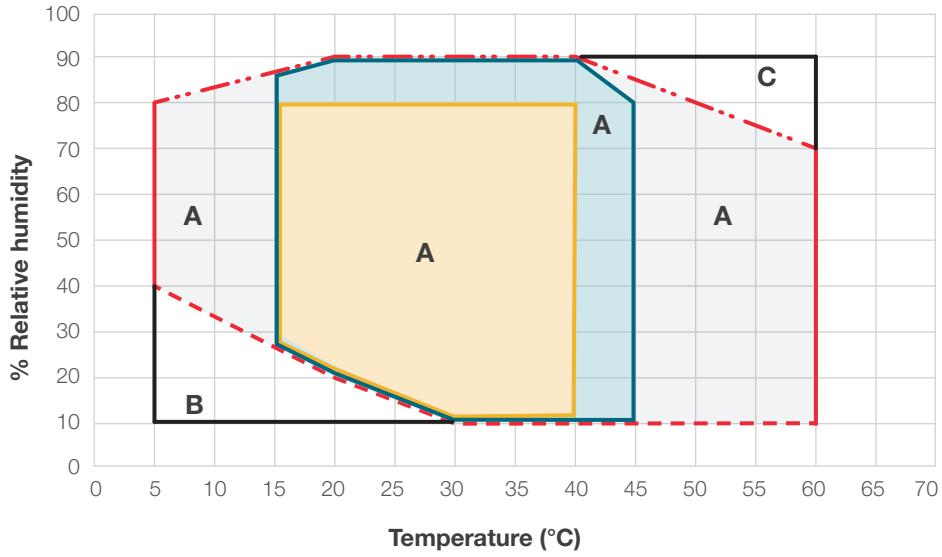
- Broad relative humidity range to cover many applications, including humidity levels below ambient
- Environmentally friendly water-efficient humidification system
- Minimal condensate in standard applications*
- Integrated water tank; fixed water connection for in-house purified water option available: please order with chamber.
- Energy-efficient Peltier technology supports temperature stability and uniformity with lower energy usage and without hazardous refrigerant compared to traditional compressors
- Two access ports for independent data capture and internal documentation of set and actual parameter values, along with event log to meet 21 CFR Part 11 requirements for process documentation
- Data retrieval via USB stick or Thermo Scientific™ Cloud via OPC-UA standard
- Sample and process protection: Assign password-protected access; restrict access with standard door lock, or optional automated door lock
- Various alarm options to prevent operator of process issues
- Intuitive 7-in. capacitive touchscreen interface with easy programmability of temperature cycles and process duration
- Stacking available for 250 L models. See factory installed options for ordering details.
- Simplified setup with no technician required; install using standard power cord
- Inner glass door keeps environment stable, even when opening the outer door: glass door also available
- Rounded corners and removable shelving offer easy cleaning to help prevent cross-contamination
- Control the essential parameters of your distinct cell growth conditions—active humidity helps control the incubation environment with accuracy
- Compliance support and other services available. Visit thermofisher.com/chamberservice

Temperature and relative humidity ranges

Stability chamber with temperature and RH control



CO_2 chamber with temperature and RH control



Relative humidity: temperature
(Reference ambient condition: 22°C; <50% rel. humidity)

Area A
Effective temperature and humidity range (condensate-free area).

Area B
Very low temperature and humidity area. Reachable only if the ambient condition is significantly lower and the chamber samples are very dry.

Area C
Immediate condensation formation area at coldest point of unit.

Maximum humidity
(Condensate-free boundary line)

Minimum humidity

Limited range in CO_2 chambers when CO_2 is activated
CO_2 chambers have limited temperature and relative humidity levels.

Limited range factory-installed electrical socket options
When electrical sockets are installed, temperature and relative humidity levels are limited

CO_2 chamber temperature/humidity diagram
(Reference ambient condition: 22°C; <50% rel. humidity)

With activated CO_2 control:
Temp: 15–45°C
RH: 10–90%


Env Ch 1
03:29:58PM | Oct 05, 2023
Relative Humidity Setpoint
RH Enabled
63
64
.6
.9
.0
%
Save

Specifications

Stability chambers and CO_2 chambers

	750 L models		250 L models	
Specifications	**Stability chamber**	**CO_2 chamber**	**Stability chamber**	**CO_2 chamber**
Catalog numbers	ESS750/ESG750	ECS750/ECG750	ESS250/ESG250	ECS250/ECG250
Chamber size	750 L (26.5 cu. ft.)	750 L (26.5 cu. ft.)	250 L (8.8 cu. ft.)	250 L (8.8 cu. ft.)
Door type	Solid/glass	Solid/glass	Solid/glass	Solid/glass
Temperature				
Temperature range	0–70°C†	15–45°C	0–70°C†	15–45°C
Temperature increments	0.1°C	0.1°C	0.1°C	0.1°C
Humidity				
Humidity range at 37°C	10–90% RH	10–90% RH	10–90% RH	10–90% RH
Humidity increments	0.1% RH	0.1% RH	0.1% RH	0.1% RH
Water consumption	≤ 0.8 L per day*	≤ 0.8 L per day*	≤ 0.25 L per day*	≤ 0.25 L per day*
CO_2				
CO_2 range	—	0–20% v/v	—	0–20% v/v
CO_2 increments	—	0.1%	—	0.1%
Electrical				
Voltage, power	100–240 V, 50/60 Hz, 1400 W	100–240 V, 50/60 Hz, 1400 W	100–240 V, 50/60 Hz, 900 W	100–240 V, 50/60 Hz, 900 W
Power plug**	Standard plug, based on country	Standard plug, based on country	Standard plug, based on country	Standard plug, based on country
Energy consumption	3 to 15 kWh per day*	3 to 15 kWh per day*	2.0 to 8.7 kWh per day*	2.0 to 8.7 kWh per day*
Shelving				
Shelves (std./positions)	3/36	3/36	2/17	2/17
Shelf construction	Perforated stainless steel Type 1.4301/AISI 304	Perforated stainless steel Type 1.4301/AISI 304	"Perforated stainless steel Type 1.4301/AISI 304"	"Perforated stainless steel Type 1.4301/AISI 304"
Dimensions				
Internal dimensions (W x H x D)	840 x 1450 x 630 mm (33.07 x 57.09 x 24.8 in.)	840 x 1450 x 630 mm (33.07 x 57.09 x 24.8 in.)	660 x 800 x 519 mm (26 x 31.5 x 20.4 in.)	660 x 800 x 519 mm (26 x 31.5 x 20.4 in.)
Exterior dimensions (W x H x D)	1080 x 1835 x 895 mm (42.52 x 72.24 x 35.24 in.)	1080 x 1835 x 895 mm (42.52 x 72.24 x 35.24 in.)	901 x 1128 x 790 mm (35.5 x 44.4 x 31.1 in.)	901 x 1128 x 790 mm (35.5 x 44.4 x 31.1 in.)
Shipping weight	381 kg (840 lbs.)/372 kg (820 lbs.)	381 kg (840 lbs.)/372 kg (820 lbs.)	208 kg (459 lbs.)/203 kg (448 lbs.)	208 kg (459 lbs.)/203 kg (448 lbs.)
Certifications				
	UL, CE	UL, CE	UL, CE	UL, CE

NOTE: 24-month warranty is standard with Heratherm Environmental Chambers. Compliance support and other services available. Please contact your representative for details.

*Value depends on settings, usage and environmental conditions. **Power cord based on location of order: Australia, China, Denmark, India, Japan, EU Schuko, Switzerland, US: Nema 5-20P. Please ask for Nema 6-20P if desired.

†Temperature range is 0–70°C without humidity option and 0–60°C with humidity option.

Dependability meets flexibility

Incubation chambers

Comprehensive data monitoring and temperature control combined with a flexible chamber help provide a dependable option for microbiological incubation or temperature-dependent storage and testing.



Helps produce precise temperature conditions above and below ambient, ideally suited for microbiological incubation and heated or cooled incubated storage. Features include:

- Uniform temperature throughout the chamber
- Energy-efficient Peltier technology supports temperature stability and uniformity with lower energy usage and without hazardous refrigerant compared to traditional compressors
- Intuitive 7-in. capacitive touchscreen interface with easy programmability of temperature cycles and process duration
- Two access ports for independent data capture and internal documentation of set and actual parameter values, along with event log to meet 21 CFR Part 11 requirements for process documentation
- Data retrieval via USB stick or Thermo Scientific™ Cloud via OPC-UA standard
- Sample and process protection: assign password-protected access; restrict access with standard door lock or optional automated door lock; various alarm options to prevent operator or process issues
- Simplified setup with no technician required; install using standard power cord
- Stacking available for 250 L models. See factory installed options for ordering details.
- Inner glass door keeps environment stable even when opening the outer door; exterior glass door also available
- Rounded corners and removable shelving offer easy cleaning to help prevent cross-contamination
- Compliance support and other services available. Visit thermofisher.com/chamberservice

Specifications

Incubation chambers





Specifications	EIS750/ EIG750	EIS250/EIG250
Chamber size	750 L (26.5 cu. ft.)	250 L (8.8 cu. ft.)
Door type	Solid door with inner glass door	Solid/glass
Temperature		
Temperature range	0 to 70°C	0 to 70°C
Temperature increments	0.1°C	0.1°C
Electrical		
Voltage, power	100–240 V, 50/60 Hz, 900 W	100–240 V, 50/60 Hz, 600 W
Power plug**	Standard plug, based on country	Standard plug, based on country
Energy consumption	2.0 to 14 kWh per day*	2.0 to 7.5 kWh per day*
Shelving		
Shelves (std./positions)	3/36	2/17
Shelf construction	Perforated stainless steel Type 1.4301/AISI 304	Perforated stainless steel Type 1.4301/AISI 304
Dimensions		
Internal dimensions (W x H x D)	840 x 1450 x 630 mm (33.07 x 57.09 x 24.8 in.)	660 x 800 x 519 mm (26 x 31.5 x 20.4 in.)
Exterior dimensions (W x H x D)	1080 x 1835 x 895 mm (42.52 x 72.24 x 35.24 in.)	901 x 1128 x 790 mm 35.5 x 44.4 x 31.1
Shipping weight	381 kg (840 lbs.)/372 kg (820 lbs.)	208 kg (459 lbs.)/203 kg (448 lbs.)
Certifications		
	UL, CE	UL, CE

Note: 24-month warranty standard with Heratherm Environmental Chambers. Compliance support and other services available. Please contact your representative for details.

*Value depends on settings, usage and environmental conditions.

**Power cord based on location of order: Australia, China, Denmark, India, Japan, EU Schuko, Switzerland, US: Nema 5-20P. Please ask for Nema 6-20P if desired.

Environmental chamber factory-installed options

Heratherm 250 L chambers

Factory-installed options must be selected when ordering an environmental chamber. These options cannot be retrofitted after delivery.

Option	Description	Includes	Cat. No.
Interior electrical outlets NA	One interior electrical outlet NA. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover on rear wall of inner chamber, US NEMA 5-15, rated 120 V, 60Hz, 15A: for 250 L models. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% RH with this option.	OUTLUSTT
Interior electrical outlets EU (Schuko)	One interior electrical outlet EU, CEE7/4 (Schuko). Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover on rear wall of inner chamber, EU, CEE7/4 (Schuko), rated 250 V, 50/60 Hz, 16A: for 250 L models. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% RH with this option.	OUTLEUTT
Interior electrical outlets UK	One interior electrical outlet UK. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover on rear wall of inner chamber, UK, BS1363, rated 250 V, 50/60 Hz, 13A: for 250 L models. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% RH with this option.	OUTLUKTT
Interior electrical outlets China	One interior electrical outlet China. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover on rear wall of inner chamber, China, 250 V, 50/60 Hz, 10A: for 250 L models. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% RH with this option.	OUTLCHTT
Interior electrical outlets India	One interior electrical outlet India. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover, on rear wall of inner chamber, India, 230 V, 50 Hz. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% with this option.	OUTLINDTT
Interior electrical outlets Australia	One interior electrical outlet Australia. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover on rear wall of inner chamber, Australia, AS/NZS 3112, rated 250 V, 50/60 Hz, 15A: for 250 L models. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% RH with this option.	OUTLAUSTT
Interior electrical outlets Switzerland	One interior electrical outlet Switzerland. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	One interior electrical outlet with cover on rear wall of inner chamber, Switzerland, SN 441011, rated 250 V, 50/60 Hz, 16A: for 250 L models. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% RH with this option.	OUTLSWITT
Left hinge door	Left hinge door. Available with all models.	Left hinge door	LHDOOR250
Automated door lock	Automated, motorized door lock: opening and closing is done via the user interface. Available with all models.	Door lock is automated and can be locked/unlocked by user interface. Protection with user ID/ password.	AUTOLOCK
Clean water connection	Chamber does not contain a water tank. An external clean water connection must be connected to the chamber for water supply. Available with models ESS250, ESG250, ECS250, ECG250.	Connection and functionality to connect chamber to a clean water line. Tubing included. maximum 3 bar pressure required - to prevent damage. **Note:** The required water resistance range is 50 K to 1 M Ohm.	EXTWATER
4-20 mA connectivity	4-20 mA connection at back of chamber. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250.	The 4-20 mA connectivity converts the digital actual values displayed for temperature, CO2 concentration, and relative humidity into a continuous output current of 4-20 mA each.	HTM420mA
Shaker shelf	Shaker shelving, 90 kg max. capacity. Please add interior outlet choice as a separate line item, if needed. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, and ECG250.	1 shaker shelf installed at middle of workspace. **Note:** Changes in position of the shelf need to be installed by a qualified technician for safety reasons. Standard shelves can be used as needed in addition. One shaker can be placed on chamber floor without this option.	SHAKERSH250
Stainless steel exterior	To order a stainless-steel exterior, please order the chamber model together with this order code. Available with models EIS250, EIG250, ESS250, ESG250, ECS250, ECG250	Exterior of chamber in stainless steel for 250 L models.	SSEXT250

Heratherm 750 L chambers

Factory-installed options must be selected when ordering an environmental chamber. These options cannot be retrofitted after delivery.

Option	Description	Includes	Cat. No.
Interior electrical outlets NA	Two interior electrical outlets NA. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, US NEMA 5-15, 120 V, 60 Hz. **Note:** Maximum settings of temperature/ humidity levels are restricted to 40°C/80% with this option.	OUTLUS
Interior electrical outlets EU (Schuko)	Two interior electrical outlets EU (Schuko). Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, EU Schuko, 230 V, 50 Hz. **Note:** Maximum settings of temperature/ humidity levels are restricted to 40°C/80% with this option.	OUTLEU
Interior electrical outlets China	Two interior electrical outlets China. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, China, 230 V, 50 Hz. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% with this option.	OUTLCH
Interior electrical outlets UK	Two interior electrical outlets UK. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, UK, 230 V, 50 Hz. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% with this option.	OUTLUK
Interior electrical outlets India	Two interior electrical outlets India. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, India, 230 V, 50 Hz. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% with this option.	OUTLIND
Interior electrical outlets Australia	Two interior electrical outlets Australia. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, Australia, 230 V, 50 Hz. **Note:** Maximum settings of temperature/ humidity levels are restricted to 40°C/80% with this option.	OUTLAUS
Interior electrical outlets Switzerland	Two interior electrical outlets Switzerland. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750.	Two electrical outlets with cover, on left side of inner chamber, Swiss outlet, 230 V, 50 Hz. **Note:** Maximum settings of temperature/humidity levels are restricted to 40°C/80% with this option.	OUTLSWI
Left hinge door	Left hinge door. Available with all models.	Door with left hinge.	LHDOOR
Automated door lock	Automated, motorized door lock: opening and closing is done via the user interface. Available with all models.	Door lock is automated and can be locked/unlocked by user interface. Protection with user ID/password.	AUTOLOCK
Shaker shelving	Shaker shelving, 90 kg max. capacity. Please add interior outlet choice as a separate line item if needed. Available with models ESS750, ESG750, ECS750, and ECG750.	1 shaker shelf installed at middle of workspace. **Note:** Changes in position of the shelf or additional shaker shelves need to be installed by a qualified technician for safety reasons. Standard shelves can be used as needed in addition. One shaker can be placed on chamber floor.	SHAKERSH
Clean water connection	Chamber does not contain a water tank. An external clean water connection must be connected to the chamber for water supply. Available with models ESS750, ESG750, ECS750, ECG750, ELS750, and ELG750.	Connection and functionality to connect chamber to a clean water line. Tubing included. maximum 3 bar pressure required-to prevent damage. **Note:** The required water quality resistance range is 50 K to 1 M Ohm.	EXTWATER
4-20 mA connectivity	4-20 mA connection at back of chamber. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750, ELS750, ELG750.	The 4-20 mA connectivity converts the digital actual values displayed for temperature, CO2 concentration, and relative humidity into a continuous output current of 4-20 mA each.	HTM420mA
SS exterior 750L Chamber	To order a stainless-steel exterior, please order the chamber model together with this order code. Available with models EIS750, EIG750, ESS750, ESG750, ECS750, ECG750, ELS750, ELG750.	Exterior of chamber in stainless steel for 750 L models.	SSEXT750

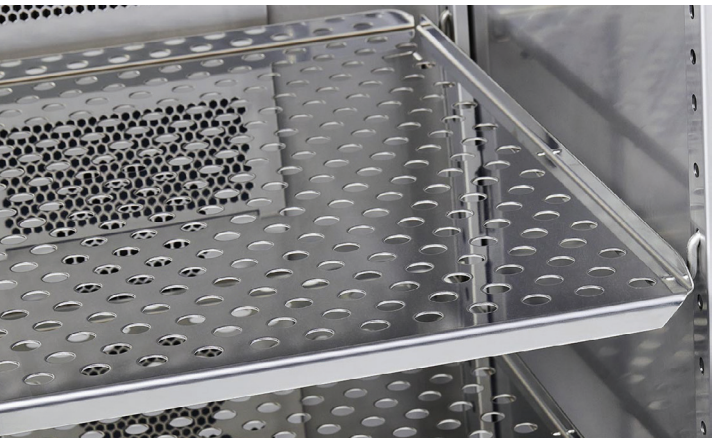

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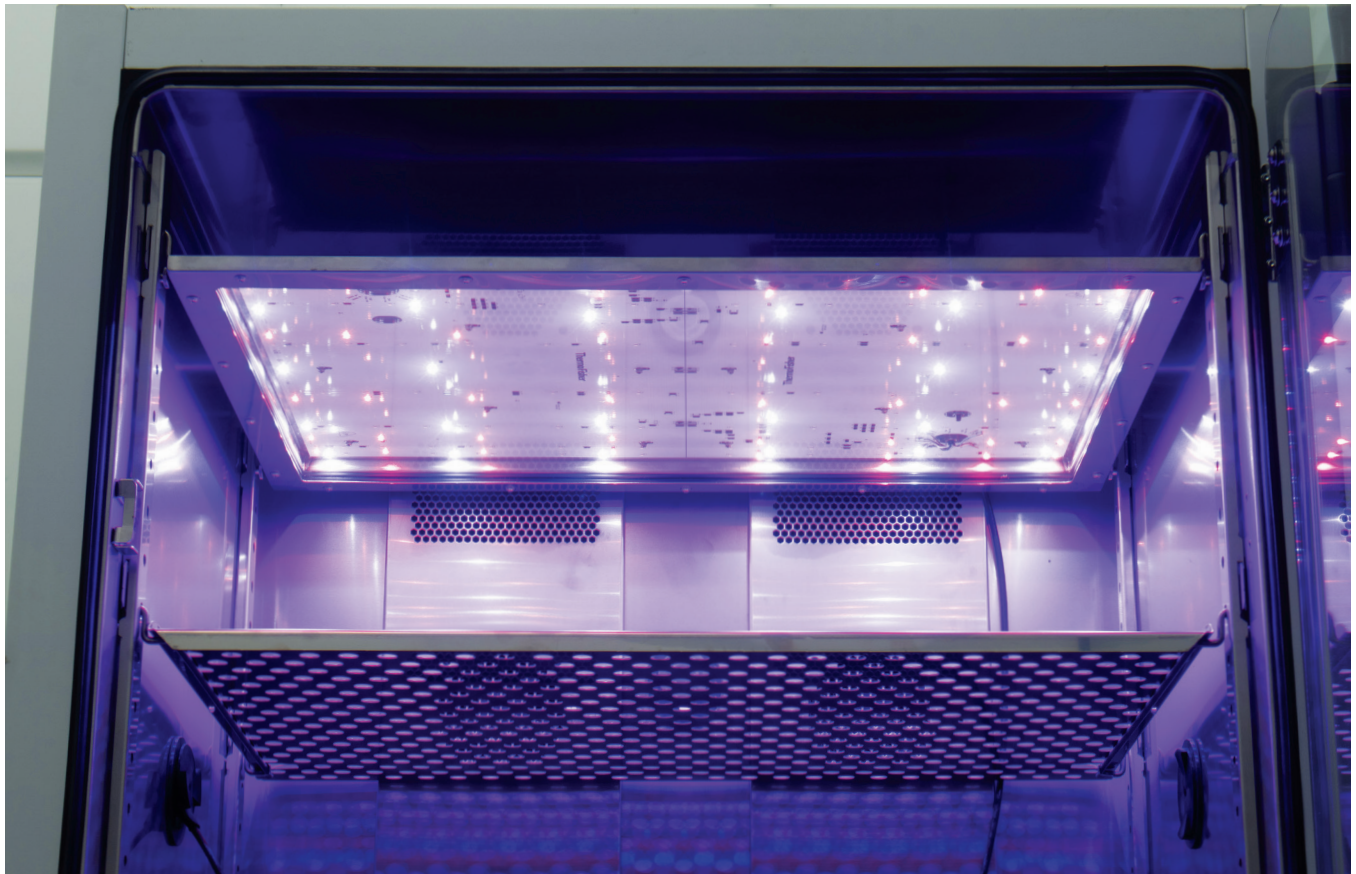












Environmental chamber accessories

Accessories can be ordered separately from chamber order. Accessories may ship separately.

250 L models

Accessory	Description	Includes	For use with	Cat. No.
Shelving				
Perforated stainless steel shelf kit	Perforated stainless steel shelf, including shelf holders for 250 L models: 30 kg/66lbs max. capacity	1 perforated shelf and 2 shelf supports	All 250 L models	333947
Reinforced stainless steel shelf kit	Reinforced stainless steel shelf, including shelf holders for 250 L models: 90 kg/198 lbs max. capacity	1 reinforced perforated shelf and 2 shelf supports	All 250 L models	333951
Wire mesh shelf kit	Wire mesh shelf, including shelf holders for 250 L: 30 kg/66 lbs max. capacity	1 wire mesh shelf and 2 shelf supports	All 250 L models	333949

750 L models

Accessory	Description	Includes	For use with	Cat. No.
Shelving				
Perforated stainless steel shelf kit	Perforated stainless steel shelf, including shelf holders for 750 L models: 30 kg/66lbs max. capacity	1 perforated shelf and 2 shelf supports	All 750 L models	333946
Reinforced stainless steel shelf kit	Reinforced stainless steel shelf, including shelf holders for 750 L models: 90 kg/198 lbs max. capacity	1 reinforced perforated shelf and 2 shelf supports	All 750 L models	333950
Wire mesh shelf kit	Wire mesh shelf, including shelf holders for 750 L models 30 kg/66 lbs max. capacity	1 wire mesh shelf and 2 shelf supports	All 750 L models	333948
Additional shelf for shaker	Shelf for shaker or heavy load with fixtures; requires installed shaker shelving system (see factory installed options on: page 15 as a prerequisite; one additional shelf can be installed; installation by a qualified technician for safety reasons.	1 perforated shaker shelf with supports and fastening material	All 750 L models	334267G02
Humidity system				
Water tank	Extra tank, includes tubing	1 water tank (5 L), tubing to connect	250 and 750 L models with humidity	333267G01
Light system				
Light module ICH	Light module for ICH, with white, red and blue LED lights, and UV LED light Note: module cannot be used in ELG750: solid door required for safety	1 module with LED, connection, and 2 shelf supports	ELS750	333979G01
Light module plant growth	Light module plant/animal with white, red, and blue LED lights	1 module with LED, connection, and 2 shelf supports	ELS750, ELG750	333980G01

Accessory	Description	Includes	For use with	Cat. No.
Stacking and Stands				
Stacking kit	Heratherm Stacking kit for stacking two 250 L Environmental Chambers	1 stacking adapter to connect chambers, 1 air duct, 2 wall brackets, 1 air baffle (only required for low ceilings)	All 250 L models.	335823G01
Support stand with casters	Low support stand with casters for 250 L chambers. Supports one or two stacked unit(s) and can be used with shaker inside chamber. Height: 140 mm / 5.5 in.	Support stand with casters; fixtures to fix chamber on stand. For stacked units: order together with stacking kit	All 250 L models.	315024G01
High stand without casters	High support stand / table without casters for one 250 L Heratherm Environmental Chamber. Can be used with a shaker inside chamber. Height: 700 mm / 27.5 in.	1 tabletop, 1 shelf, 1 rear wall, 2 frames, 1 horizontal strut bottom rear, 1 horizontal strut bottom front, 4 joint feet, screws and fixtures	All 250 L models.	334931H05



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