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LAF Technologies Pty Ltd



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- // CLIMATIC TESTS WITH PHOTOSTABILITY
- // PHYTOLOGY TESTS CHAMBERS
- // HORIZONTAL FLOW CHAMBERS FOR ARABIDOPSIS TESTS
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- // REFRIGERATED INCUBATORS FOR CELL GROWTH WITH CONTROLLED LIGHT

GROWTH TESTS CHAMBERS
WITH OR WITHOUT HUMIDITY CONTROL
HORIZONTAL AIR FLOW MODELS

EGCHS MODELS FROM +10° TO +60°C
HUMIDITY RANGE FROM 20% TO 90% RH

OPTIONAL
FROM -10°C TO +60°C

LIGHTS ON FRONT AND REAR DOORS

from +10° to +60°C
from 20% to 90% HR

Optional
from -10°C/+4°C
from +60°C



// EGCHS 705 2S HR FL

// EGCHS 355 2S HR LED

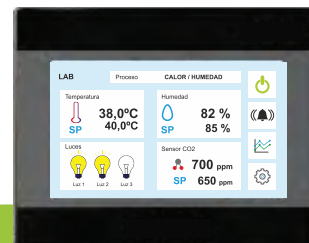


CLIMATIC TESTS LABORATORY CHAMBERS AT CONSTANT TEMPERATURE (EGCVS MODELS)

- Brings 4100 and 4500 series controllers with graphical data representation.
- Backlighted TFT touchscreen of 4,3" or 7,0" depending on the model for temperature and/or humidity control (EGCVS/HR models have humidity control) with graphical representation of the temperature and/or humidity curve.
- +/-0.1°C precision on-screen.
- +/-1.0°C homogeneity on the chamber's inside at 37°C.
- +/-0-5°C stability on the chamber's inside at 37°C (depending on the model).
- Cooling system controlled by electrovalves.
- Safety thermostat, protects samples from high/low temperatures.
- Microprocessor control parameters control temperature through a Pt100 or capacitive probe (depending on the model), with a +/- 0.15°C resolution.
- Control system with backup battery, with auto-recharge, duration up to 48h.
- Humidity control: between 20% and 90% RH (+/- 2% RH), in a temperature range between +19°C and +40°C, in EGCHS/HR and EGCVS/HR models.
- Capacitive electronic probe (4-20mA) with a +/-0,75% RH precision (optional 0,5% RH).
- Humidity generator by ultrasound introducing microscopic water drops at ambient temperature in the chamber, optional: electrodes system.
- Drying system by condensation through refrigerating evaporator.

TECHNICAL SPECIFICATIONS

- Internal door with thermal safety glass, with hermetic seal (models up to -10°C do not include internal glass door).
- Internal glass door with hermetic seal.
- Opaque external door, heated to avoid condensations in the internal glass door, self-closing and large handle.
- Microprocessor to control parameters with PID system.
- Independent alarms, visual and sonorous, for maximum and minimum temperatures, with backup battery, with more than 48h duration (72h optional).
- System settings protected by numerical passwords.
- Controller remembers maximum and minimum temperature values, with graphical representation of them.
- Optional: external double glass door with large handle.
- EGCVS with forced air cooling, vertically and evenly distributed, with high homogeneity of the temperature inside the chamber.
- High density of 60 mm polyurethane insulator (CFC and HCFC free).
- Cooling gas, CFC and HCFC free, biodegradable.
- Hermetic compressor, set on dampers to reduce noise levels.
- Independent cooling and heating systems.
- AISI 304 stainless steel internal finish (optional AISI 316).
- Rounded corners to facilitate cleaning.
- Perforated stainless steel shelves, with adjustable height.
- Heated door frame to ensure an ice-free closure, in models up to -10°C.
- Magnetic seal in external door to ensure hermetic closure.
- Wall bypass to introduce wires and external instruments.
- External steel finish, epoxy covered.
- Stainless steel legs with adjustable height.
- 4 wheeled base to facilitate movement, with legs with adjustable height.
- Functions in workplaces with temperatures up to +32°C.



Series 4100 controller for models finished in "2"

- 4.3" TFT Touchscreen (7.0" optional) with graphical measurement data representation.
- GSM telephone alarm module (optional).
- RS 485 connexion for remote control (optional).
- Ethernet output to monitor data by cable (MODBUS TCP/ICP) or by a wireless module, including specific software for visualization and control of the data (optional).
- Backup battery duration longer than 48 hours (72 hours optional)



// EGCHS 705 2S HR LED with lights in the front and rear doors

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS LIGHT ON DOORS: FRONT AND REAR				
VERTICAL AIR FLOW MODELS WITH HUMIDITY CONTROL	EGCHS 352 2S HR LED EGCHS 353 2S HR LED EGCHS 355 2S HR LED	EGCHS 502 2S HR LED EGCHS 503 2S HR LED EGCHS 505 2S HR LED	EGCHS 702 2S HR LED EGCHS 703 2S HR LED EGCHS 705 2S HR LED	EGCHS 752 2S HR LED EGCHS 753 2S HR LED EGCHS 755 2S HR LED	EGCHS 852 2S HR LED EGCHS 853 2S HR LED EGCHS 855 2S HR LED
VERTICAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL	EGCHS 352 2S LED EGCHS 353 2S LED EGCHS 355 2S LED	EGCHS 502 2S LED EGCHS 503 2S LED EGCHS 505 2S LED	EGCHS 702 LED EGCHS 703 LED EGCHS 705 2S LED	EGCHS 752 2S LED EGCHS 753 2S LED EGCHS 755 2S LED	EGCHS 852 2S LED EGCHS 853 2S LED EGCHS 855 2S LED
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	LED* / Located in the doors: front and rear				
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)				
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2"/ 4500 CONTROLLER in models finished in "5"				
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR				
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	305/350	410/500	505/700	515/750	755/850
INTERIOR MEASUREMENTS (mm) W x D x H*	850 x 600 x 687	605 x 595 x 1009	600 x 600 x 1350	500 x 620 x 1650	900 x 620 x 1350
EXTERIOR MEASUREMENTS (mm) W x D x H*	925 x 805 x 1150	850 x 800 x 1980	850 x 800 x 1980	1050 x 790 x 1980	1150 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 600	600 x 850	600 x 1100	600 x 1400	800 x 1100
INSULATOR THICKNESS (mm)	60	60	60	60	60
INTERIOR FINISH	Stainless steel				
EXTERIOR FINISH	Epoxy covered steel				
Nº OF INTERNAL GLASS DOORS	1	1	1	1	1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes
NUMBER OF SHELVES	2	3	4	4	4
SIZE OF THE SHELVES (mm) W x D***	520 x 610	530 x 610	530 x 610	430 x 610	830 x 610
SHELVES MATERIAL	Stainless steel				
SHELVES SURFACE / CHAMBER'S TOTAL (m ²)	0,31/0,31	0,32/0,97	0,32/1,28	0,26/1,05	0,51/2,02
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes
TYPE OF COOLING	R404 a optional R290, depending on the application				
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C				
ELECTRIC POWER (W)	1200	1800	1850	1950	2000
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60				
WEIGHT (KG)	200	240	280	310	340

*Width x Depth x Height **Width x Height ***Width x Depth

* LED Details: see page 51

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS LIGHST ON DOORS: FRONT AND REAR					
VERTICAL AIR FLOW MODELS WITH HUMIDITY CONTROL	EGCHS 943 2S HR LED EGCHS 943 2S HR LED EGCHS 945 2S HR LED	EGCHS 1502 2S HR LED EGCHS 1503 2S HR LED EGCHS 1505 2S HR LED	EGCHS 1852 2S HR LED EGCHS 1853 2S HR LED EGCHS 1855 2S HR LED	EGCHS 2202 2S HR LED EGCHS 2203 2S HR LED EGCHS 2205 2S HR LED	EGCHS 2802 2S HR LED EGCHS 2803 2S HR LED EGCHS 2805 2S HR LED	EGCHS 2902 2S HR LED EGCHS 2903 2S HR LED EGCHS 2905 2S HR LED
VERTICAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL	EGCHS 942 2S LED EGCHS 943 2S LED EGCHS 945 2S LED	EGCHS 1502 2S LED EGCHS 1503 2S LED EGCHS 1505 2S LED	EGCHS 1852 2S LED EGCHS 1853 2S LED EGCHS 1855 2S LED	EGCHS 2202 2S LED EGCHS 2203 2S LED EGCHS 2205 2S LED	EGCHS 2802 2S LED EGCHS 2803 2S LED EGCHS 2805 2S LED	EGCHS 2902 2S LED EGCHS 2903 2S LED EGCHS 2905 2S LED
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	LED* / Located in the doors: front and rear					
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)					
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2" / 4500 CONTROLLER in models finished in "5"					
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR					
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	925/1000	1225/1500	1500/1800	1795/2200	2560/2800	2590/2900
INTERIOR MEASUREMENTS (mm) W x D x H*	900 x 800 x 1350	1460 x 620 x 1350	1460 x 620 x 1650	1460 x 900 x 1370	1460 x 910 x 1650	2460 x 620 x 1650
EXTERIOR MEASUREMENTS (mm) W x D x H*	1150 x 960 x 1980	1700 x 790 x 1980	2000 x 790 x 1980	1690 x 1100 x 1980	2000 x 1090 x 1980	3000 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 1000	600 x 1100	600 x 1400	600 x 1100	600 x 1400	600 x 1400
INSULATOR THICKNESS (mm)	60	60	60	60	60	60
INTERIOR FINISH	Stainless steel					
EXTERIOR FINISH	Epoxy covered steel					
N° OF INTERNAL GLASS DOORS	1	1	1	1 + 1	1 + 1	1 + 1 + 1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes	Yes
NUMBER OF SHELVES	4	4	4 + 4	4 + 4	4 + 4	4 + 4 + 4
SIZE OF THE SHELVES (mm) W x D***	830 x 610	530 x 610	530 x 610	530 x 900	530 x 900	530 x 610
SHELVES MATERIAL	Stainless steel					
SHELVES SURFACE / CHAMBER'S TOTAL (m ²)	0,50/2,02	0,32/2,58	0,32/2,58	0,32/2,58	0,47/3,81	0,32/3,84
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes	Yes
TYPE OF COOLING	R404 a optional R290, depending on the application					
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C					
ELECTRIC POWER (W)	2000	2200	2300	2500	2600	2700
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60					
WEIGHT (KG)	360	380	390	420	480	490

*Width x Depth x Height **Width x Height ***Width x Depth

* LED Details: see page 51

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS LIGHST ON DOORS: FRONT AND REAR				
VERTICAL AIR FLOW MODELS WITH HUMIDITY CONTROL	EGCHS 352 2S HR FL EGCHS 353 2S HR FL EGCHS 355 2S HR FL	EGCHS 502 2S HR FL EGCHS 503 2S HR FL EGCHS 505 2S HR FL	EGCHS 702 2S HR FL EGCHS 703 2S HR FL EGCHS 705 2S HR FL	EGCHS 752 2S HR FL EGCHS 753 2S HR FL EGCHS 755 2S HR FL	EGCHS 852 2S HR FL EGCHS 853 2S HR FL EGCHS 855 2S HR FL
VERTICAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL	EGCHS 352 2S FL EGCHS 353 2S FL EGCHS 355 2S FL	EGCHS 502 2S FL EGCHS 503 2S FL EGCHS 505 2S FL	EGCHS 702 FL EGCHS 703 FL EGCHS 705 2S FL	EGCHS 752 2S FL EGCHS 753 2S FL EGCHS 755 2S FL	EGCHS 852 2S FL EGCHS 853 2S FL EGCHS 855 2S FL
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	Fluorescents / Located in the doors: front and rear				
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)				
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2"/ 4500 CONTROLLER in models finished in "5"				
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR				
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	305/350	410/500	505/700	515/750	755/850
INTERIOR MEASUREMENTS (mm) W x D x H*	850 x 600 x 687	605 x 595 x 1009	600 x 600 x 1350	500 x 620 x 1650	900 x 620 x 1350
EXTERIOR MEASUREMENTS (mm) W x D x H*	925 x 805 x 1150	850 x 800 x 1980	850 x 800 x 1980	1050 x 790 x 1980	1150 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 600	600 x 850	600 x 1100	600 x 1400	800 x 1100
INSULATOR THICKNESS (mm)	60	60	60	60	60
INTERIOR FINISH	Stainless steel				
EXTERIOR FINISH	Epoxy covered steel				
Nº OF INTERNAL GLASS DOORS	1	1	1	1	1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes
NUMBER OF SHELVES	2	3	4	4	4
SIZE OF THE SHELVES (mm) W x D***	520 x 610	530 x 610	530 x 610	430 x 610	830 x 610
SHELVES MATERIAL	Stainless steel				
SHELVES SURFACE / CHAMBER'S TOTAL (m ²)	0,31/0,31	0,32/0,97	0,32/1,28	0,26/1,05	0,51/2,02
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes
TYPE OF COOLING	R404 a optional R290, depending on the application				
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C				
ELECTRIC POWER (W)	1200	1800	1850	1950	2000
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60				
WEIGHT (KG)	200	240	280	310	340

*Width x Depth x Height **Width x Height ***Width x Depth

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS LIGHST ON DOORS: FRONT AND REAR					
VERTICAL AIR FLOW MODELS WITH HUMIDITY CONTROL	EGCHS 943 2S HR FL EGCHS 943 2S HR FL EGCHS 945 2S HR FL	EGCHS 1502 2S HR FL EGCHS 1503 2S HR FL EGCHS 1505 2S HR FL	EGCHS 1852 2S HR FL EGCHS 1853 2S HR FL EGCHS 1855 2S HR FL	EGCHS 2202 2S HR FL EGCHS 2203 2S HR FL EGCHS 2205 2S HR FL	EGCHS 2802 2S HR FL EGCHS 2803 2S HR FL EGCHS 2805 2S HR FL	EGCHS 2902 2S HR FL EGCHS 2903 2S HR FL EGCHS 2905 2S HR FL
VERTICAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL	EGCHS 942 2S FL EGCHS 943 2S FL EGCHS 945 2S FL	EGCHS 1502 2S FL EGCHS 1503 2S FL EGCHS 1505 2S FL	EGCHS 1852 2S FL EGCHS 1853 2S FL EGCHS 1855 2S FL	EGCHS 2202 2S FL EGCHS 2203 2S FL EGCHS 2205 2S FL	EGCHS 2802 2S FL EGCHS 2803 2S FL EGCHS 2805 2S FL	EGCHS 2902 2S FL EGCHS 2903 2S FL EGCHS 2905 2S FL
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	Fluorescents / Located in the doors: front and rear					
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)					
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2" / 4500 CONTROLLER in models finished in "5"					
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR					
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	925/1000	1225/1500	1500/1800	1795/2200	2560/2800	2590/2900
INTERIOR MEASUREMENTS [mm] W x D x H*	900 x 800 1350	1460 x 620 x 1350	1460 x 620 x 1650	1460 x 900 x 1370	1460 x 910 x 1650	2460 x 620 x 1650
EXTERIOR MEASUREMENTS [mm] W x D x H*	1150 x 960 x 1980	1700 x 790 x 1980	2000 x 790 x 1980	1690 x 1100 x 1980	2000 x 1090 x 1980	3000 x 790 x 1980
CLEAR OF DOOR [mm] W x H**	600 x 1000	600 x 1100	600 x 1400	600 x 1100	600 x 1400	600 x 1400
INSULATOR THICKNESS [mm]	60	60	60	60	60	60
INTERIOR FINISH	Stainless steel					
EXTERIOR FINISH	Epoxy covered steel					
N° OF INTERNAL GLASS DOORS	1	1	1	1 + 1	1 + 1	1 + 1 + 1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes	Yes
NUMBER OF SHELVES	4	4	4 + 4	4 + 4	4 + 4	4 + 4 + 4
SIZE OF THE SHELVES [mm] W x D***	830 x 610	530 x 610	530 x 610	530 x 900	530 x 900	530 x 610
SHELVES MATERIAL	Stainless steel					
SHELVES SURFACE / CHAMBER'S TOTAL (m ²)	0,50/2,02	0,32/2,58	0,32/2,58	0,32/2,58	0,47/3,81	0,32/3,84
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes	Yes
TYPE OF COOLING	R404 a optional R290, depending on the application					
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C					
ELECTRIC POWER [W]	2000	2200	2300	2500	2600	2700
VOLTAGE/ FREQUENCY [V/HZ]	230/50 optional 110/60 and 220/60					
WEIGHT [KG]	360	380	390	420	480	490

*Width x Depth x Height **Width x Height ***Width x Depth

GROWTH TESTS CHAMBERS WITH OR WITHOUT HUMIDITY CONTROL
HORIZONTAL AIR FLOW MODELS

EICS MODELS FROM +4°C TO +60°C
HUMIDITY RANGE FROM 10% TO 90% RH

OPTIONAL
FROM -30°C/-20°C/-10°C TO +60°C
WITHOUT HUMIDITY CONTROL

LIGHTS ON SHELVES

from +10° to +60°C
from 20% to 90% HR

Optional
from -10°C to +60°C



// EGCHS 1851/2 2L HR LED
Optional: 2 independent
chambers model

OPTIONAL ACCESORIES FOR ALL EGCHS, EGCVS ERIS/ EGCVS and ERI/EGCV MODELS

- Aeration systems.
- Aeration port, for the passing of fresh air; manual or controlled depending on the CO₂ concentration.
- CO₂ measurement system.
- CO₂ introduction system in the chamber with control valves.
- Measuring system of the accumulated radiation intensity.
- Safety thermostat, protects samples from high or low temperatures.
- Humidity generator up to +95% RH.
- Air drying system up to 15% RH at +4°C.
- Independent alarms, sonorous and visual for maximum and minimum temperatures with backup battery, with more than 48h of duration (72h optional).
- Circular temperature recorder 7 days, powered by backup batteries.
- USB output for system data storage.
- RS 485/232 connexion for remote control.
- PC Software (on demand). Potential free exit for remote alarm control.
- Programmable test periods through digital controller.
- UV light tubes for sterilization.
- Internal sockets in the chamber.
- Wall bypass for the introduction of wires and external instruments.
- Telescopic trays, for instrument placement.
- Door with thermic glass and heated frame in models with humidity control or low temperature.
- Stainless steel exterior.
- Optional models focused on ICH stability tests.

OPTIONAL ACCESSORIES

See page 31



// EGCHS 352 1L HR LED



// EGCHS 1502 3L HR LED



// EGCHS 1851/3 3L HR LED
Optional: 3 independent chambers model

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS - LIGHTS ON SHELVES				
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 352 1L HR LED EGCHS 353 1L HR LED EGCHS 355 1L HR LED	EGCHS 502 1L HR LED EGCHS 503 1L HR LED EGCHS 505 1L HR LED	EGCHS 702 1L HR LED EGCHS 703 1L HR LED EGCHS 705 1L HR LED	EGCHS 752 1L HR LED EGCHS 753 1L HR LED EGCHS 755 1L HR LED	EGCHS 852 1L HR LED EGCHS 853 1L HR LED EGCHS 855 1L HR LED
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 352 1L LED EGCHS 353 1L LED EGCHS 355 1L LED	EGCHS 502 1L LED EGCHS 503 1L LED EGCHS 505 1L LED	EGCHS 702 1L LED EGCHS 703 1L LED EGCHS 705 1L LED	EGCHS 752 1L LED EGCHS 753 1L LED EGCHS 755 1L LED	EGCHS 852 1L LED EGCHS 853 1L LED EGCHS 855 1L LED
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 352 2L HR LED EGCVS 353 2L HR LED EGCVS 355 2L HR LED	EGCVS 502 2L HR LED EGCVS 503 2L HR LED EGCVS 505 2L HR LED	EGCVS 702 2L HR LED EGCVS 703 2L HR LED EGCVS 705 2L HR LED	EGCVS 752 2L HR LED EGCVS 753 2L HR LED EGCVS 755 2L HR LED	EGCVS 852 2L HR LED EGCVS 853 2L HR LED EGCVS 855 2L HR LED
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 352 2L LED EGCVS 353 2L LED EGCVS 355 2L LED	EGCVS 502 2L LED EGCVS 503 2L LED EGCVS 505 2L LED	EGCVS 702 2L LED EGCVS 703 2L LED EGCVS 705 2L LED	EGCVS 752 2L LED EGCVS 753 2L LED EGCVS 755 2L LED	EGCVS 852 2L LED EGCVS 853 2L LED EGCVS 855 2L LED
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 352 3L HR LED EGCVS 353 3L HR LED EGCVS 355 3L HR LED	EGCVS 502 3L HR LED EGCVS 503 3L HR LED EGCVS 505 3L HR LED	EGCVS 702 3L HR LED EGCVS 703 3L HR LED EGCVS 705 3L HR LED	EGCVS 752 3L HR LED EGCVS 753 3L HR LED EGCVS 755 3L HR LED	EGCVS 852 3L HR LED EGCVS 853 3L HR LED EGCVS 855 3L HR LED
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 352 3L LED EGCVS 353 3L LED EGCVS 355 3L LED	EGCVS 502 3L LED EGCVS 503 3L LED EGCVS 505 3L LED	EGCVS 702 3L LED EGCVS 703 3L LED EGCVS 705 3L LED	EGCVS 752 3L LED EGCVS 753 3L LED EGCVS 755 3L LED	EGCVS 852 3L LED EGCVS 853 3L LED EGCVS 855 3L LED
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	LED* / Ubicated in: 1 shelf in "1L" Models / 2 shelves in "2L" Models / 3 shelves in "3L" Models				
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)				
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2" / 4500 CONTROLLER in models finished in "5"				
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR				
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	305/350	410/500	505/700	515/750	755/850
INTERIOR MEASUREMENTS (mm) W x D x H*	850 x 600 x 687	605 x 595 x 1009	600 x 600 x 1350	500 x 620 x 1650	900 x 620 x 1350
EXTERIOR MEASUREMENTS (mm) W x D x H*	925 x 805 x 1150	850 x 800 x 1980	850 x 800 x 1980	1050 x 790 x 1980	1150 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 600	600 x 850	600 x 1100	600 x 1400	800 x 1100
INSULATOR THICKNESS (mm)	60	60	60	60	60
INTERIOR FINISH	Stainless steel				
EXTERIOR FINISH	Epoxy covered steel				
N° OF INTERNAL GLASS DOORS	1	1	1	1	1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes
SIZE OF THE SHELVES (mm) W x D***	520 x 610	530 x 610	530 x 610	430 x 610	830 x 610
SHELVES MATERIAL	Stainless steel				
SHELVES SURFACE / CHAMBER'S TOTAL (m2)	0,31/0,62/0,93	0,32/0,64/0,96	0,32/0,64/0,96	0,26/0,52/0,78	0,51/1,02/1,53
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C				
ELECTRIC POWER (W)	1200	1800	1850	1950	2000
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60				
WEIGHT (KG)	200	240	280	310	340

*Width x Depth x Height **Width x Height ***Width x Depth

* LED Details: see page 51

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS - LIGHTS ON SHELVES					
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 942 1L HR LED EGCHS 943 1L HR LED EGCHS 945 1L HR LED	EGCHS 1502 1L HR LED EGCHS 1503 1L HR LED EGCHS 1505 1L HR LED	EGCHS1852 1L HR LED EGCHS 1853 1L HR LED EGCHS 1855 1L HR LED	EGCHS 2202 1L HR LED EGCHS 2203 1L HR LED EGCHS 2205 1L HR LED	EGCHS 2802 1L HR LED EGCHS 2803 1L HR LED EGCHS 2805 1L HR LED	EGCHS 2902 1L HR LED EGCHS 2903 1L HR LED EGCHS 2905 1L HR LED
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 942 1L LED EGCHS 943 1L LED EGCHS 945 1L LED	EGCHS1502 1L LED EGCHS 1503 1L LED EGCHS 1505 1L LED	EGCHS 1852 1L LED EGCHS 1853 1L LED EGCHS 1855 1L LED	EGCHS 2202 1L LED EGCHS 2203 1L LED EGCHS 2205 1L LED	EGCHS 2802 1L LED EGCHS 2803 1L LED EGCHS 2805 1L LED	EGCHS 2902 1L LED EGCHS 2903 1L LED EGCHS 2905 1L LED
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 942 2L HR LED EGCVS 943 2L HR LED EGCVS 945 2L HR LED	EGCVS 1502 2L HR LED EGCVS 1503 2L HR LED EGCVS 1505 2L HR LED	EGCVS 1852 2L HR LED EGCVS 1853 2L HR LED EGCVS 1855 2L HR LED	EGCVS 2202 2L HR LED EGCVS 2203 2L HR LED EGCVS 2205 2L HR LED	EGCVS 2802 2L HR LED EGCVS 2803 2L HR LED EGCVS 2805 2L HR LED	EGCVS 2902 2L HR LED EGCVS 2903 2L HR LED EGCVS 2905 2L HR LED
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 942 2L LED EGCVS 943 2L LED EGCVS 945 2L LED	EGCVS 1502 2L LED EGCVS 1503 2L LED EGCVS 1505 2L LED	EGCVS 1852 2L LED EGCVS 1853 2L LED EGCVS 1855 2L LED	EGCVS 2202 2L LED EGCVS 2203 2L LED EGCVS 2205 2L LED	EGCVS 2802 2L LED EGCVS 2803 2L LED EGCVS 2805 2L LED	EGCVS 2902 2L LED EGCVS 2903 2L LED EGCVS 2905 2L LED
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 942 3L HR LED EGCVS 943 3L HR LED EGCVS 945 3L HR LED	EGCVS 1502 3L HR LED EGCVS 1503 3L HR LED EGCVS 1505 3L HR LED	EGCVS 1852 3L HR LED EGCVS 1853 3L HR LED EGCVS 1855 3L HR LED	EGCVS 2202 3L HR LED EGCVS 2203 3L HR LED EGCVS 2205 3L HR LED	EGCVS 2802 3L HR LED EGCVS 2803 3L HR LED EGCVS 2805 3L HR LED	EGCVS 2902 3L HR LED EGCVS 2903 3L HR LED EGCVS 2905 3L HR LED
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 942 3L LED EGCVS 943 3L LED EGCVS 945 3L LED	EGCVS 1502 3L LED EGCVS 1503 3L LED EGCVS 1505 3L LED	EGCVS 1852 3L LED EGCVS 1853 3L LED EGCVS 1855 3L LED	EGCVS 2202 3L LED EGCVS 2203 3L LED EGCVS 2205 3L LED	EGCVS 2802 3L LED EGCVS 2803 3L LED EGCVS 2805 3L LED	EGCVS 2902 3L LED EGCVS 2903 3L LED EGCVS 2905 3L LED
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	LED* / Ubicated in: 1 shelf in "1L" Models / 2 shelves in "2L" Models / 3 shelves in "3L" Models					
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)					
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2"/ 4500 CONTROLLER in models finished in "5"					
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR					
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	925/1000	1225/1500	1500/1800	1795/2200	2560/2800	2590/2900
INTERIOR MEASUREMENTS (mm) W x D x H*	900 x 800 1350	1460 x 620 x 1350	1460 x 620 x 1650	1460 x 900 x 1370	1460 x 910 x 1650	2460 x 620 x 1650
EXTERIOR MEASUREMENTS (mm) W x D x H*	1150 x 960 x 1980	1700 x 790 x 1980	2000 x 790 x 1980	1690 x 1100 x 1980	2000 x 1090 x 1980	3000 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 1000	600 x 1100	600 x 1400	600 x 1100	600 x 1400	600 x 1400
INSULATOR THICKNESS (mm)	60	60	60	60	60	60
INTERIOR FINISH	Stainless steel					
EXTERIOR FINISH	Epoxy covered steel					
N° OF INTERNAL GLASS DOORS	1	1	1	1	1	1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes	Yes
SIZE OF THE SHELVES (mm) W x D***	830 x 610	530 x 610	530 x 610	530 x 900	530 x 900	530 x 610
SHELVES MATERIAL	Stainless steel					
SHELVES SURFACE / CHAMBER'S TOTAL (m2)	0,50/1,00/1,50	0,64/1,28/1,92	0,64/1,28/1,92	0,94/1,88/2,82	0,94/1,88/2,82	0,96/1,92/2,88
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes	Yes
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C					
ELECTRIC POWER (W)	2000	2200	2300	2500	2600	2700
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60					
WEIGHT (KG)	360	380	390	420	480	490

*Width x Depth x Height **Width x Height ***Width x Depth

* LED Details: see page 51

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS - LIGHTS ON SHELVES				
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 352 1L HR FL EGCHS 353 1L HR FL EGCHS 355 1L HR FL	EGCHS 502 1L HR FL EGCHS 503 1L HR FL EGCHS 505 1L HR FL	EGCHS 702 1L HR FL EGCHS 703 1L HR FL EGCHS 705 1L HR FL	EGCHS 752 1L HR FL EGCHS 753 1L HR FL EGCHS 755 1L HR FL	EGCHS 852 1L HR FL EGCHS 853 1L HR FL EGCHS 855 1L HR FL
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 352 1L FL EGCHS 353 1L FL EGCHS 355 1L FL	EGCHS 502 1L FL EGCHS 503 1L FL EGCHS 505 1L FL	EGCHS 702 1L FL EGCHS 703 1L FL EGCHS 705 1L FL	EGCHS 752 1L FL EGCHS 753 1L FL EGCHS 755 1L FL	EGCHS 852 1L FL EGCHS 853 1L FL EGCHS 855 1L FL
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 352 2L HR FL EGCVS 353 2L HR FL EGCVS 355 2L HR FL	EGCVS 502 2L HR FL EGCVS 503 2L HR FL EGCVS 505 2L HR FL	EGCVS 702 2L HR FL EGCVS 703 2L HR FL EGCVS 705 2L HR FL	EGCVS 752 2L HR FL EGCVS 753 2L HR FL EGCVS 755 2L HR FL	EGCVS 852 2L HR FL EGCVS 853 2L HR FL EGCVS 855 2L HR FL
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 352 2L FL EGCVS 353 2L FL EGCVS 355 2L FL	EGCVS 502 2L FL EGCVS 503 2L FL EGCVS 505 2L FL	EGCVS 702 2L FL EGCVS 703 2L FL EGCVS 705 2L FL	EGCVS 752 2L FL EGCVS 753 2L FL EGCVS 755 2L FL	EGCVS 852 2L FL EGCVS 853 2L FL EGCVS 855 2L FL
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 352 3L HR FL EGCVS 353 3L HR FL EGCVS 355 3L HR FL	EGCVS 502 3L HR FL EGCVS 503 3L HR FL EGCVS 505 3L HR FL	EGCVS 702 3L HR FL EGCVS 703 3L HR FL EGCVS 705 3L HR FL	EGCVS 752 3L HR FL EGCVS 753 3L HR FL EGCVS 755 3L HR FL	EGCVS 852 3L HR FL EGCVS 853 3L HR FL EGCVS 855 3L HR FL
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 352 3L FL EGCVS 353 3L FL EGCVS 355 3L FL	EGCVS 502 3L FL EGCVS 503 3L FL EGCVS 505 3L FL	EGCVS 702 3L FL EGCVS 703 3L FL EGCVS 705 3L FL	EGCVS 752 3L FL EGCVS 753 3L FL EGCVS 755 3L FL	EGCVS 852 3L FL EGCVS 853 3L FL EGCVS 855 3L FL
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	Fluorescents / Ubicated in: 1 shelf in "1L" Models / 2 shelves in "2L" Models / 3 shelves in "3L" Models				
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)				
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2"/ 4500 CONTROLLER in models finished in "5"				
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR				
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	305/350	410/500	505/700	515/750	755/850
INTERIOR MEASUREMENTS (mm) W x D x H*	850 x 600 x 687	605 x 595 x 1009	600 x 600 x 1350	500 x 620 x 1650	900 x 620 x 1350
EXTERIOR MEASUREMENTS (mm) W x D x H*	925 x 805 x 1150	850 x 800 x 1980	850 x 800 x 1980	1050 x 790 x 1980	1150 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 600	600 x 850	600 x 1100	600 x 1400	800 x 1100
INSULATOR THICKNESS (mm)	60	60	60	60	60
INTERIOR FINISH	Stainless steel				
EXTERIOR FINISH	Epoxy covered steel				
N° OF INTERNAL GLASS DOORS	1	1	1	1	1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes
SIZE OF THE SHELVES (mm) W x D***	520 x 610	530 x 610	530 x 610	430 x 610	830 x 610
SHELVES MATERIAL	Stainless steel				
SHELVES SURFACE / CHAMBER'S TOTAL (m2)	0,31/0,62/0,93	0,32/0,64/0,96	0,32/0,64/0,96	0,26/0,52/0,78	0,51/1,02/1,53
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C				
ELECTRIC POWER (W)	1200	1800	1850	1950	2000
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60				
WEIGHT (KG)	200	240	280	310	340

*Width x Depth x Height **Width x Height ***Width x Depth

RANGE	GROWTH CLIMATIC TESTS CHAMBERS - HORIZONTAL AIR FLOW MODELS - LIGHTS ON SHELVES					
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 942 1L HR FL EGCHS 943 1L HR FL EGCHS 945 1L HR FL	EGCHS 1502 1L HR FL EGCHS 1503 1L HR FL EGCHS 1505 1L HR FL	EGCHS1852 1L HR FL EGCHS 1853 1L HR FL EGCHS 1855 1L HR FL	EGCHS 2202 1L HR FL EGCHS 2203 1L HR FL EGCHS 2205 1L HR FL	EGCHS 2802 1L HR FL EGCHS 2803 1L HR FL EGCHS 2805 1L HR FL	EGCHS 2902 1L HR FL EGCHS 2903 1L HR FL EGCHS 2905 1L HR FL
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 1 TRAY	EGCHS 942 1L FL EGCHS 943 1L FL EGCHS 945 1L FL	EGCHS1502 1L FL EGCHS 1503 1L FL EGCHS 1505 1L FL	EGCHS 1852 1L FL EGCHS 1853 1L FL EGCHS 1855 1L FL	EGCHS 2202 1L FL EGCHS 2203 1L FL EGCHS 2205 1L FL	EGCHS 2802 1L FL EGCHS 2803 1L FL EGCHS 2805 1L FL	EGCHS 2902 1L FL EGCHS 2903 1L FL EGCHS 2905 1L FL
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 942 2L HR FL EGCVS 943 2L HR FL EGCVS 945 2L HR FL	EGCVS 1502 2L HR FL EGCVS 1503 2L HR FL EGCVS 1505 2L HR FL	EGCVS 1852 2L HR FL EGCVS 1853 2L HR FL EGCVS 1855 2L HR FL	EGCVS 2202 2L HR FL EGCVS 2203 2L HR FL EGCVS 2205 2L HR FL	EGCVS 2802 2L HR FL EGCVS 2803 2L HR FL EGCVS 2805 2L HR FL	EGCVS 2902 2L HR FL EGCVS 2903 2L HR FL EGCVS 2905 2L HR FL
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 2 TRAYS	EGCVS 942 2L FL EGCVS 943 2L FL EGCVS 945 2L FL	EGCVS 1502 2L FL EGCVS 1503 2L FL EGCVS 1505 2L FL	EGCVS 1852 2L FL EGCVS 1853 2L FL EGCVS 1855 2L FL	EGCVS 2202 2L FL EGCVS 2203 2L FL EGCVS 2205 2L FL	EGCVS 2802 2L FL EGCVS 2803 2L FL EGCVS 2805 2L FL	EGCVS 2902 2L FL EGCVS 2903 2L FL EGCVS 2905 2L FL
HORIZONTAL AIR FLOW MODELS WITH HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 942 3L HR FL EGCVS 943 3L HR FL EGCVS 945 3L HR FL	EGCVS 1502 3L HR FL EGCVS 1503 3L HR FL EGCVS 1505 3L HR FL	EGCVS 1852 3L HR FL EGCVS 1853 3L HR FL EGCVS 1855 3L HR FL	EGCVS 2202 3L HR FL EGCVS 2203 3L HR FL EGCVS 2205 3L HR FL	EGCVS 2802 3L HR FL EGCVS 2803 3L HR FL EGCVS 2805 3L HR FL	EGCVS 2902 3L HR FL EGCVS 2903 3L HR FL EGCVS 2905 3L HR FL
HORIZONTAL AIR FLOW MODELS WITHOUT HUMIDITY CONTROL AND LIGHTS IN 3 TRAYS	EGCVS 942 3L FL EGCVS 943 3L FL EGCVS 945 3L FL	EGCVS 1502 3L FL EGCVS 1503 3L FL EGCVS 1505 3L FL	EGCVS 1852 3L FL EGCVS 1853 3L FL EGCVS 1855 3L FL	EGCVS 2202 3L FL EGCVS 2203 3L FL EGCVS 2205 3L FL	EGCVS 2802 3L FL EGCVS 2803 3L FL EGCVS 2805 3L FL	EGCVS 2902 3L FL EGCVS 2903 3L FL EGCVS 2905 3L FL
PHOTOPERIOD	Yes	Yes	Yes	Yes	Yes	Yes
LIGHT TYPE/ POSITION	Fluorescents / Ubicated in: 1 shelf in "1L" Models / 2 shelves in "2L" Models / 3 shelves in "3L" Models					
TEMP. (°C) RANGE WITHOUT HUMIDITY CONTROL	from +10°C to +60°C (Optional: -10°C to +4°C up to +60°C)					
CONTROLLER TYPE	NANODAC CONTROLLER in models finished in "3" / 4100 CONTROLLER in models finished in "2"/ 4500 CONTROLLER in models finished in "5"					
MODELS WITH CONTROLLED HUMIDITY	from 20% to 90% HR					
TEMP. RANGE WITH CONTROLLED HUMIDITY (°C)	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50	+20/+50
RATED CAPACITY NET/GROSS (liters)	925/1000	1225/1500	1500/1800	1795/2200	2560/2800	2590/2900
INTERIOR MEASUREMENTS (mm) W x D x H*	900 x 800 1350	1460 x 620 x 1350	1460 x 620 x 1650	1460 x 900 x 1370	1460 x 910 x 1650	2460 x 620 x 1650
EXTERIOR MEASUREMENTS (mm) W x D x H*	1150 x 960 x 1980	1700 x 790 x 1980	2000 x 790 x 1980	1690 x 1100 x 1980	2000 x 1090 x 1980	3000 x 790 x 1980
CLEAR OF DOOR (mm) W x H**	600 x 1000	600 x 1100	600 x 1400	600 x 1100	600 x 1400	600 x 1400
INSULATOR THICKNESS (mm)	60	60	60	60	60	60
INTERIOR FINISH	Stainless steel					
EXTERIOR FINISH	Epoxy covered steel					
N° OF INTERNAL GLASS DOORS	1	1	1	1	1	1
EXTERNAL DOOR TYPE	Blind	Blind	Blind	Blind	Blind	Blind
LOCK	Yes	Yes	Yes	Yes	Yes	Yes
SIZE OF THE SHELVES (mm) W x D***	830 x 610	530 x 610	530 x 610	530 x 900	530 x 900	530 x 610
SHELVES MATERIAL	Stainless steel					
SHELVES SURFACE / CHAMBER'S TOTAL (m2)	0,50/1,00/1,50	0,64/1,28/1,92	0,64/1,28/1,92	0,94/1,88/2,82	0,94/1,88/2,82	0,96/1,92/2,88
WALL BYPASS/ CABLE GLAND	Yes	Yes	Yes	Yes	Yes	Yes
DATALOGGER	Yes	Yes	Yes	Yes	Yes	Yes
USB OUTPUT	Yes	Yes	Yes	Yes	Yes	Yes
SCREEN GRAPHICS	Yes	Yes	Yes	Yes	Yes	Yes
RS485 CONEXION PORT WITH MODBUS	Yes	Yes	Yes	Yes	Yes	Yes
REMOTE ALARM EXIT FREE OF POTENTIAL	Yes	Yes	Yes	Yes	Yes	Yes
BATTERY	Yes	Yes	Yes	Yes	Yes	Yes
AMBIENT TEMPERATURE RANGE	from +10°C to +32°C					
ELECTRIC POWER (W)	2000	2200	2300	2500	2600	2700
VOLTAGE/ FREQUENCY (V/HZ)	230/50 optional 110/60 and 220/60					
WEIGHT (KG)	360	380	390	420	480	490

*Width x Depth x Height **Width x Height ***Width x Depth

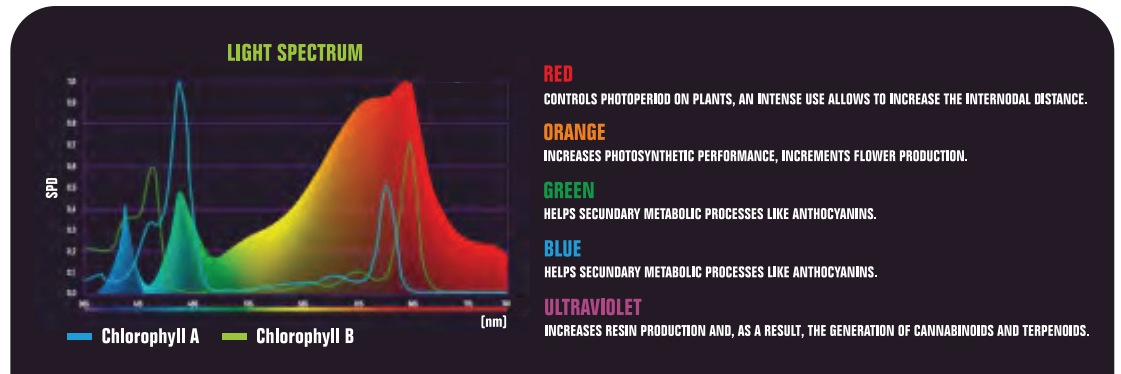


MODULAR VISITABLE GROWTH CHAMBERS

CUSTOM SPECTRA

We have a wide selection of wavelengths for photo-biological research, for example UV-A 390 nm, 455 nm blues, 530 nm greens, 660 nm reds and 730 nm far-red. Likewise, we have specific spectra for use in specific applications, for example for a better production of secondary metabolites, including a better coloration or lettuce production or an improvement of the specific metabolites in micro-algae.

- **Common applications: growth conditions of controlled plants:** temperature and humidity with photoperiods.
- **Light intensity in common applications:** 20-1200 $\mu\text{mol m}^{-2}\text{s}^{-1}$.
- **Available spectra:** 350 to 920 nm, depending on the required luminaire.



	S 60	M 90	L 120	XL 150
CONSUMPTION	25 W	40 W	50 W	80 W
DIMENSION (MM) (LENGHT/DIAMETER)	595 / Ø 26	895 / Ø 26	1.198 / Ø 26	1.498 / Ø 26
DIMENSION (INCHES) (LENGHT/DIAMETER)	23.4" / Ø 1.02"	35.2" / Ø 1.02"	47.2" / Ø 1.02"	59.0" / Ø 1.02"
CERTIFICATES	Marked CE			
SPECTRUM	Depending on the necessity: adjustable espectrum and intensity			
PPDF INTENSITY	from 5 $\mu\text{mol m}^{-2}\text{s}^{-1}$ to 1200 $\mu\text{mol m}^{-2}\text{s}^{-1}$			
DISTANCE TO THE PLANT	100 to 400 mm			
DECAY OF LIGHT INTENSITY	Max. 10% at 35.000h in standard applications 50.000 h			
LIGHT EFFICIENCY (380-820 NM)	Up to 2,2 $\mu\text{mol/W}$ [depending on the spectrum]			
AMBIENT WORK TEMPERATURE	0/+50°C [32-100° F]			

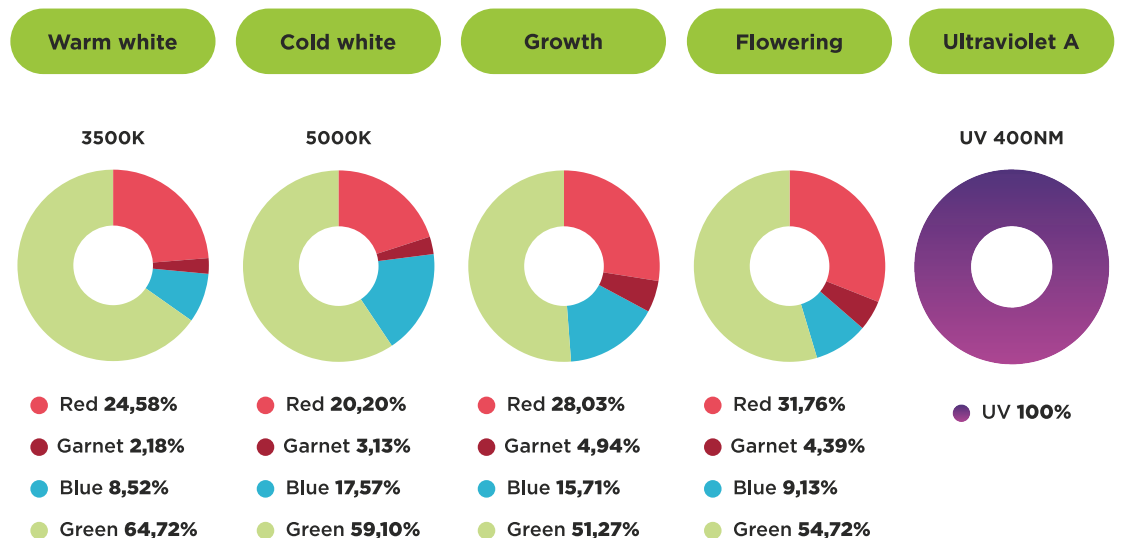
Available with transparent or diffusive cover, G13 connecting elad, IP20 and IP64 degree of protection with Valoya socket set, according to ROHS, limited 5 years warranty.

LED LIGHT TUBES ON THE FLUORESCENT TUBE RACKS

Type T6 or T8 tubes allows series of tubes to be installed in the fluorescent tube racks without any modification (magnetic ballast fixing).

Profitable, very easy to install in terminals with IP64 for particular tests, for example.

GUIDE FOR LED TUBES APPLICATIONS





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