FALC

2018 | TEST
CHAMBERS

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ENG

TEST CHAMBERS

CLIMATIC TEST CHAMBERS

CLIMATIC TEST CHAMBERS - VERTICAL AIRFLOW

- Without humidity (FCC Series)
- With humidity (FCC-H Series)

STABILITY TEST CHAMBERS

STABILITY TEST CHAMBERS - HORIZONTAL AIRFLOW

- Without humidity
    - FSC Series
    - FSC For ICH Test Series
- With humidity
    - FSC-H Series
    - FSC-H For ICH Test Series

FORCED AIR GROWTH TEST CHAMBERS

GROWTH TEST CHAMBERS - VERTICAL AIRFLOW

- Without humidity
    - Light on the door (GVD Series)
    - Lights on the door and two sides (GVS Series)
- With humidity
    - Light on the door (GVD-H Series)
    - Lights on the door and two sides (GVS-H Series)

GROWTH TEST CHAMBERS - HORIZONTAL AIRFLOW

- Without humidity
    - Light on the door (GHD Series)
    - Lights on the door and back sides (GHS Series)
- With humidity
    - Light on the door (GHD-H Series)
    - Lights on the door and back sides (GHS-H Series)

CLIMATIC
TEST CHAMBERS

CLIMATIC TEST CHAMBERS

Climatic Chambers with and without humidity control - Vertical Airflow

500 - 700 - 940 lt Capacity

+4° to +60°C
20% to 90% RH

Optionally
-10°/-20°/-30°C
to +60°C
without humidity
control

FIELDS OF APPLICATION:

- Food industry
- Confectionary industry
- Laboratory testing
- Analytical laboratory
- Pharmaceutical industry
- Quality test
- Environmental test
- Construction materials industry
- Calibration laboratory
- Biotechnology
- Texile industry
- Automotive industry
- Electronic industry
- Plastic industry

350 lt Capacity
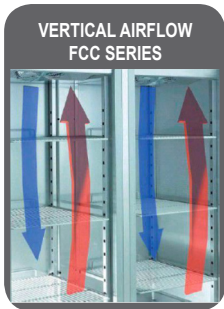

1500 - 2200 lt Capacity

CLIMATIC TEST CHAMBERS

VERTICAL AIRFLOW	Without Humidity	FCC
	With Humidity	FCC-H

VERTICAL AIRFLOW FCC SERIES

SERIES 4000 CONTROLLER
Microprocessor Controller included

CLIMATIC TEST CHAMBERS
Climatic Chambers with and without humidity control - Vertical Airflow

STANDARD FEATURES

- Cooling system controller by solenoid electrovalves
- Safety thermostat, to protect the samples against high temperatures (optionally low temperatures)
- System setting protected by password
- Key lock on the door

- Temperature range from +4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
- Models include forced air refrigeration (distributed uniformly vertically), and have high temperature homogeneity inside of the chamber
- Ultrasound humidity generator, introducing microscopic water drops inside of the chamber at room temperature (electrode system optionally)
- Condensation drying system by cooling
- Independent cooling and heating systems
- Tropicalization treatment, to allow work up to +32°C room temperature

- Internal glass door, with hermetic closing (models up to -10°/-20°/-30°C do not include internal glass door)
- Solid external door with opening aids and big sized handle (double glass door optionally)
- Hermetic compressor built over dampers to reduce noise levels
- AISI 304 stainless steel internal finish
- Epoxy coated steel external finish
- Rounded corners for easy cleaning
- Heated door frame, to ensure an ice free door closing for models up to -10°/-20°/-30°C

- USB port to store system data.
- High density of 60 mm polyurethane insulation (CFC and HCFC free) high density polyurethane
- R404 (CFC and HCFC free) biodegradable cooling gas
- Magnetic gasket on the external door, to ensure a better door closing.
- Access port, to introduce cables and external instruments
- 4 wheels for easy movement with height-adjustable feet
- Height-adjustable perforated stainless steel shelves.

- Including series 4000 controller, with graphic temperature representation
- Microprocessor (4.3" touchscreen) for control parameters with PID system (the temperature through a NTC probe)
- Control system with battery backup and automatic recharge, for up to 48h
- The controller stores the max/min temperature and/or humidity values with their graphical representation.
- Audible and visible independent alarms for maximum and minimum temperature, with NiCd battery support backup for more than 48h of battery life (72h optionally)

For models with and without humidity control **FCC/FCC-H**	reference temperature 37°C
Temperature range	+4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
Accuracy of display	+/-0.1 °C
Homogeneity of temperature	+/-1.5 °C
Stability of temperature	+/-0.75 °C
Accuracy of NTB probe	+/-0.15 °C

Only for models with humidity control **FCC-H**	reference temperature 37°C
Humidity control	20% to 90% RH
Temperature Range	+19°C to +40°C
Accuracy Humidity control	+/-3% RH
Electronic humidity probe	4-20mA
Accuracy Electronic humidity control	+/-2% RH
Homogeneity of temperature	+/-1.5°C

SERIES 4000 CONTROLLER
Microprocessor Controller included

CLIMATIC TEST CHAMBERS

Climatic Chambers with and without humidity control - Vertical Airflow

350 lt Capacity

500 - 700 - 940 lt Capacity

1500 - 2200 lt Capacity

		FCC/FCC-H 350	FCC/FCC-H 500	FCC/FCC-H 700	FCC/FCC-H 940	FCC/FCC-H 1500	FCC/FCC-H 2200
Capacity	Lt	350	500	700	940	1500	2200
Nr of shelves		2	3	4	4	4+4	4+4
Nr of doors		1	1	1	1	2	2
Compressor RH		1/2	3/8	3/8	3/8	3/8	3/8
Usable Internal Dimensions (WxDxH)	mm	820x540x660	740x540x1200	740x540x1350	990x590x1350	1590x540x1350	1590x840x1350
External dimensions (WxDxH)	mm	925x800x1140	850x800x1730	850x800x1980	1100x850x1980	1700x800x1980	1700x1100x1980
Climatic Chamber - Vert. Airflow without Humidity FCC		**701.1100.01**	**701.1100.02**	**701.1100.03**	**701.1100.04**	**701.1100.05**	**701.1100.06**
Climatic Chamber - Vert. Airflow with Humidity FCC-H		**701.1101.01**	**701.1101.02**	**701.1101.03**	**701.1101.04**	**701.1101.05**	**701.1101.06**

V/HZ 220/240 - 50

CLIMATIC TEST CHAMBERS

Climatic Chambers with and without humidity control - Vertical Airflow

OPTIONAL ACCESSORIES

- Safety thermostat, to protect the samples against high temperatures (optionally low temperatures)
- Audible and visible independent alarms for maximum and minimum temperature, with NiCd battery support backup for more than 48h of battery life (72h optionally)

- Temperature range from +4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
- Humidity generator up to +95°C RH
- Air drying system up to 15% RH at +4°C
- Circular chart recorder for 7 days, with an independent battery backup
- Programmable test times by digital controller

- Additional access ports to introduce cables and external instruments
- Thermal glass door, with heated frame in models with humidity control or lower temperatures
- External stainless steel finish
- Plugs inside of the chamber

- RS 485/232 interface connection for remote control
- PC software on demand
- Potential free output for remote alarm control
- UV light tubes for sterilization
- Telescopic trays to locate instruments
- Printer for temperature and humidity data

- 4.3" TFT touchscreen (7.0" optionally) with graphic data representation
- GSM phone alarm module
- Ethernet output, to monitor data by cable (MODBUS TCP/ICP) or though a wireless module, including specific software for data control and visualization
- Battery backup for at least 48h (72h optionally)

**500 - 700 - 940 lt Capacity
with glass door (optional)**

Notes

STABILITY
TEST CHAMBERS

STABILITY TEST CHAMBERS

Stability Chambers with and without humidity control - Horizontal Airflow

FIELDS OF APPLICATION:

- Laboratory testing
- Quality test
- Chemical industry
- Environmental test
- Food industry

+4° to +60°C
20% to 90% RH

Optionally
-10°/-20°/-30°C
to +60°C
without humidity
control

HORIZONTAL AIRFLOW
FSC SERIES

SERIES 4000 CONTROLLER
Microprocessor Controller included

Stability Chambers with and without humidity control - Horizontal Airflow for ICH Test

FIELDS OF APPLICATION:

- Pharmaceutical industry with ICH test
- Laboratory testing
- Quality test
- Chemical industry
- Environmental test
- Food industry
- Cosmetic industry

Long term
testing at
+25°C / 60% RH
or +30°C / 65% RH

Accelerated testing at +40°c
/ 75% rh

Intermediate
testing at
+30°C / 65% RH

HORIZONTAL AIRFLOW
FSC SERIES
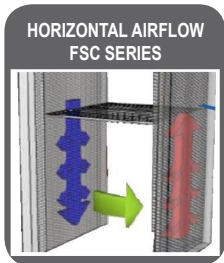
ICH NANODAC
Controller included

STABILITY TEST CHAMBERS		For general applications	For ICH Test
HORIZONTAL AIRFLOW	Without Humidity	FSC	FSC for ICH Test
	With Humidity	FSC-H	FSC-H for ICH test

STABILITY TEST CHAMBERS

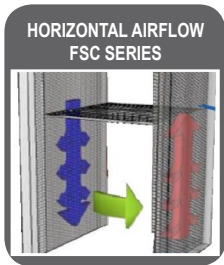### Stability Chambers with and without humidity control - Horizontal Airflow

STANDARD FEATURES

- Cooling system controller by solenoid electrovalves
- Safety thermostat, to protect the samples against high temperatures (optionally low temperatures)
- System setting protected by password
- Key lock on the door

- Temperature range from +4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
- Models include forced air refrigeration (distributed uniformly horizontally), and have high temperature homogeneity inside of the chamber
- Ultrasound humidity generator, introducing microscopic water drops inside of the chamber at room temperature (electrode system optionally)
- Condensation drying system by cooling
- Independent cooling and heating systems
- Tropicalization treatment, to allow work up to +32°C room temperature

- Internal glass door, with hermetic closing (models up to -10°/-20°/-30°C do not include internal glass door)
- Solid external door with opening aids and big sized handle (double glass door optionally)
- Hermetic compressor built over dampers to reduce noise levels
- AISI 304 stainless steel internal finish
- Epoxy coated steel external finish
- Rounded corners for easy cleaning
- Heated door frame, to ensure an ice free door closing for models up to -10°/-20°/-30°C

- USB port to store system data.
- High density of 60 mm polyurethane insulation (CFC and HCFC free) high density polyurethane
- R404 (CFC and HCFC free) biodegradable cooling gas
- Magnetic gasket on the external door, to ensure a better door closing
- Access port, to introduce cables and external instruments
- 4 wheels for easy movement with height-adjustable feet
- Height-adjustable perforated stainless steel shelves

- Including series 4000 controller with graphic representation
- Including Nanodec with graphic representation
- Microprocessor (4.3"touchscreen) for control parameters with PID system (the temperature through a NTC probe)
- Control system with battery backup and automatic recharge, for up to 48h
- The controller stores the max/min temperature values with their graphical representation.
- Audible and visible independent alarms for maximum and minimum temperature, with NiCd battery backup for more than 48h of battery life (72h optionally)

For models with and without humidity control	
FSC/FSC-H	
FSC/FSC-H for ICH Test	reference temperature 37°C
Temperature range	+4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
Accuracy of display	+/-0.1 °C
Homogeneity of temperature	+/-1.0 °C
Stability of temperature	+/-0.5 °C
Accuracy of NTB probe	+/-0.15 °C

Only for models with humidity control	
FSC-H for ICH Test/FSC-H	reference temperature 37°C
Humidity control	20% to 90% RH
Temperature Range	+19°C to +40°C
Accuracy Humidity control	+/-3% RH
Electronic humidity probe	4-20mA
Accuracy Electronic humidity control	+/-2% RH (1.0% Optionally)
Homogeneity of temperature	+/-1.5°C

ICH NANODAC
Controller included

SERIES 4000 CONTROLLER
Microprocessor Controller included

STABILITY TEST CHAMBERS

Stability Chambers with and without humidity control - Horizontal Airflow

350 lt Capacity

500 - 700 - 940 lt Capacity

1500 - 2200 lt Capacity

		FSC/FSC-H FSC/FSC-H for ICH Test 350	FSC/FSC-H FSC/FSC-H for ICH Test 500	FSC/FSC-H FSC/FSC-H for ICH Test 700	FSC/FSC-H FSC/FSC-H for ICH Test 940	FSC/FSC-H FSC/FSC-H for ICH Test 1500	FSC/FSC-H FSC/FSC-H for ICH Test 2200
Capacity	Lt	350	500	700	940	1500	2200
Nr of shelves		2	3	4	4	4+4	4+4
Nr of doors		1	1	1	1	2	2
Compressor RH		1/2	3/8	3/8	3/8	3/8	3/8
Usable dimensions (WxDxH)	mm	820x540x660	640x600x1100	640x600x1350	640x890x1350	1500x600x1350	1500x890x1350
External dimensions (WxDxH)	mm	925x800x1140	850x800x1730	850x800x1980	1700x1100x1980	1700x800x1980	1700x1100x1980
Stability Chamber - Horiz. Airflow without Humidity FSC		701.1200.01	701.1200.02	701.1200.03	701.1200.04	701.1200.05	701.1200.06
Stability Chamber - Horiz. Airflow with Humidity FSC-H		701.1201.01	701.1201.02	701.1201.03	701.1201.04	701.1201.05	701.1201.06
Stability Chamber - Horiz. Airflow without Humidity FSC for ICH		701.1200.11	701.1200.12	701.1200.13	701.1200.14	701.1200.15	701.1200.16
Stability Chamber - Horiz. Airflow with Humidity FSC-H for ICH		701.1201.11	701.1201.12	701.1201.13	701.1201.14	701.1201.15	701.1201.16

V/HZ 220/240 - 50

STABILITY TEST CHAMBERS

Stability Chambers with and without humidity control - Horizontal Airflow

OPTIONAL ACCESSORIES

- Safety thermostat, to protect the samples against high temperatures (optionally low temperatures)
- Audible and visible independent alarms for maximum and minimum temperature, with NiCd battery backup for more than 48h of battery life (72h optionally)

- Temperature range from +4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
- Humidity generator up to +95°C RH
- Air drying system up to 15% RH at +4°C
- Circular chart recorder for 7 days, with an independent battery backup
- Programmable test times by digital controller

- Access ports to introduce cables and external instruments
- Thermal glass door, with heated frame in models with humidity control or lower temperatures
- External stainless steel finish
- Plugs inside of the chamber

- RS 485/232 interface connection for remote control
- PC software on demand
- Potential free output for remote alarm control
- UV light tubes for sterilization
- Telescopic trays to locate instruments
- Printer for temperature and humidity data

- 4.3" TFT touchscreen (7.0" optionally) with graphic data representation
- GSM phone alarm module
- Ethernet output, to monitor data by cable (MODBUS TCP/ICP) or though a wireless module, including specific software for data control and visualization
- Battery backup for at least 48h (72h optionally)

500 - 700 - 940 lt Capacity with glass door (optional)

Notes

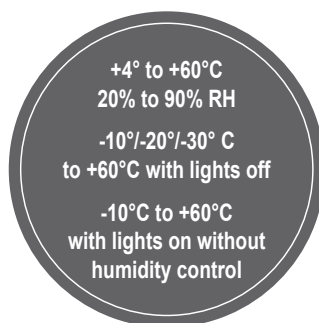FALC

FORCED AIR GROWTH TEST CHAMBERS

FORCED AIR GROWTH TEST CHAMBERS

Growth Chambers with and without humidity control - Vertical and Horizontal Airflow

350 lt Capacity

FIELDS OF APPLICATION:

- Plant growth
- Seed germination
- Acclimation of plants
- Culture of plant cells and tissues
- Chemical industry
- Test which needs specific temperature, humidity and illumination
- Genetic manipulations of plants
- Cultivation of protoplasm and cells
- Incubation and rearing of insects
- Chemical and pharmaceutical industry
- Reaserch
- Quality test
- Plant biotecnology
- Timber and forestry industry
- Cosmetic Industry

- Models with lights on the door, on sides and back side

+4° to +60°C
20% to 90% RH

-10°/-20°/-30° C
to +60°C with lights off

-10°C to +60°C
with lights on without
humidity control

500 - 710 - 940 lt Capacity

1500 - 2200 lt Capacity

SERIES 4000 CONTROLLER
Microprocessor Controller included

GROWTH TEST CHAMBERS		Light on the door	Lights on the door and two sides	Lights on the door and back sides
VERTICAL AIRFLOW	Without Humidity	GVD	GVS	-
	With Humidity	GVD-H	GVS-H	-
HORIZONTAL AIRFLOW	Without Humidity	GHD	-	GHS
	With Humidity	GHD-H	-	GHS-H
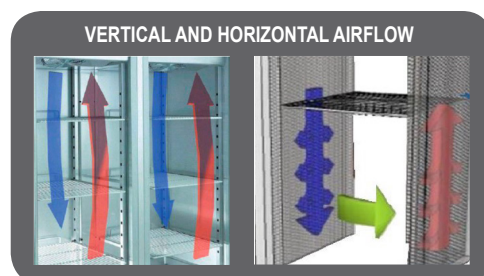
VERTICAL AND HORIZONTAL AIRFLOW

FORCED AIR GROWTH TEST CHAMBERS

Growth Chambers with and without humidity control - Vertical and Horizontal Airflow

STANDARD FEATURES

- Cooling system controller by solenoid electrovalves
- Safety thermostat protects samples against high temperature (optionally low temperature)
- System setting protected by password
- Key lock on the door

- Light intensity control, in several levels, with day/night and sunrise /sunset profiles
- Fluorescent or LED lighting (optionally in door or shelves)
- Programmable day/night temperature with or without humidity

- Differentiated temperature range control: day/night +4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control with lights off, from -10°C to +60°C with lights on without humidity control)
- Models include forced air refrigeration (distributed uniformly), and have high temperature homogeneity inside of the chamber
- Ultrasound humidity generator, introducing microscopic water drops inside of the chamber at room temperature(optionally by centrifugation or vapor generation)
- Condensation drying system by cooling
- Independent cooling and heating systems
- Tropicalization treatment, to allow work up to +32°C room temperature

- Internal glass door, with hermetic closing (models up to -10°/-20°/-30°C do not include internal glass door)
- Solid external door with opening aids and big sized handle (double glass door optionally)
- Hermetic compressor built over dampers to reduce noise levels
- AISI 304 stainless steel internal finish
- Epoxy coated steel external finish
- Rounded corners for easy cleaning
- Heated door frame, to ensure an ice free door closing for models up to -10°/-20°/-30°C

- USB port to store system data
- High density of 60 mm polyurethane insulation (CFC and HCFC free)
- R404 (CFC and HCFC free) biodegradable cooling gas
- Magnetic gasket on the external door, to ensure a better door closing.
- Access port, to introduce cables and external instruments
- 4 wheels for easy movement with height-adjustable feet
- Height-adjustable perforated stainless steel shelves.

- Including series 4000 controller with graphic representation
- Microprocessor (4.3''touchscreen) for control parameters with PID system
- Control system with battery backup and automatic recharge, for up to 48h
- The controller stores the max/min temperature values with their graphical representation
- Audible and visible independent alarms for maximum and minimum temperature, with NiCd battery backup for more than 48h of battery life (72h optionally)

For models with and without humidity control GVD/GVD-H/GVS/GVS-H GHD/GHD-H/GHS/GHS-H	reference temperature 37°C
Temperature range	+4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control)
Accuracy of display	+/-0.1 °C
Homogeneity of temperature	+/-1.5 °C
Stability of temperature	+/-0.75 °C
Accuracy of NTB probe	+/-0.15 °C

Only for models with humidity control GVD-H/GVS-H/GHD-H/GHS-H	reference temperature 37°C
Humidity control	20% to 90% RH
Temperature Range	+19°C to +40°C
Accuracy Humidity control	+/-3% RH
Electronic humidity control	4-20mA
Accuracy Electronic humidity control	+/-3% RH
Homogeneity of temperature	+/-1.5°C

SERIES 4000 CONTROLLER
Microprocessor Controller included

FORCED AIR GROWTH TEST CHAMBERS

Application table

350 lt Capacity

550-710-940 lt Capacity

1500-2200 lt Capacity

APPLICATION	Temperature range (with the light off)	Temperature range (with the light on)	Humidity range (with the light on)	Max n. of shelves	Light types
Constant temperature	From + 0 to 60 °C	From + 10 to + 60 °C	15% or 90% RH	4	On the door and/or side
Low temperature	From - 10 to + 60 °C	From - 10 to + 60 °C	Without humidity control	4	On the door and/or sides and/or shelves, with LED lights in shelves below 15°C
Dew temperature	From + 0 to + 50 °C	From + 0 to + 50 °C	Without humidity control	4	On the door and/or sides and/or shelves, with LED lights in shelves below 15°C
Arabidopsis	From +2 to + 50 °C	From + 10 to + 40 °C	20% or 90% RH	6	On the door and/or sides and/or shelves
Plant Growth	From + 2 to + 60 °C	From + 10 to + 50 °C	10% or 90% RH	6	On the door and/or sides
Algae Growth	From + 4 to + 55 °C	From + 10 to + 55 °C	20% or 90% RH	3	On the door
Insect incubation (Drosophila)	From + 2 to + 45 °C	From + 10 to + 50 °C	15% or 70% RH	6	On the door and/or sides
Tissue growth	From + 2 to + 50 °C	From + 10 to + 50 °C	Without humidity control	4	On the door and/or sides
Seed storage	From + 2 to + 50 °C	From + 10 to + 50 °C	20% or 90% RH	15	On the door and/or sides
	From + 2 to + 50 °C	From + 10 to + 50 °C	Without humidity control	15	

FORCED AIR GROWTH TEST CHAMBERS

Growth Chambers - Vertical Airflow

GROWTH CHAMBER WITH/WITHOUT HUMIDITY WITH LIGHTS ON THE DOOR

		GVD/GVD-H 350	GVD/GVD-H 550	GVD/GVD-H 710	GVD/GVD-H 940	GVD/GVD-H 1500	GVD/GVD-H 2200
Capacity	Lt	350	500	700	940	1500	2200
Nr of shelves		1	3	4	4	4+4	4+4
Nr of doors		1	1	1	1	2	2
Compressor RH		1/2	1/2	3/8	3/8	3/8	3/8
Usable dimensions (WxDxH)	mm	820x540x660	740x540x1200	740x540x1350	990x590x1350	1590x540x1350	1590x840x1350
External dimensions (WxDxH)	mm	925x800x1140	850x800x1730	850x800x1980	850x1100x1980	1700x800x1980	1700x1100x1980
Growth chamber without humidity with lights on the door GVD		**701.2100.01**	**701.2100.02**	**701.2100.03**	**701.2100.04**	**701.2100.05**	**701.2100.06**
Growth chamber with humidity with lights on the door GVD-H		**701.2101.01**	**701.2101.02**	**701.2101.03**	**701.2101.04**	**701.2101.05**	**701.2101.06**

GROWTH CHAMBER WITH/WITHOUT HUMIDITY WITH LIGHTS ON THE DOOR AND <u>TWO</u> SIDES

		GVS/GVS-H 350	GVS/GVS-H 550	GVS/GVS-H 710	GVS/GVS-H 940	GVS/GVS-H 1500	GVS/GVS-H 2200
Capacity	Lt	330	535	690	900	1460	2100
Nr of shelves		1	3	4	4	4+4	4+4
Nr of doors		1	1	1	1	2	2
Compressor RH		1/2	1/2	3/8	3/8	3/8	3/8
Usable dimensions (WxDxH)	mm	720x540x660	640x540x1200	640x540x1350	840x590x1350	1490x540x1350	1490x840x1350
External dimensions (WxDxH)	mm	925x800x1140	850x800x1730	850x800x1980	850x1100x1980	1700x800x1980	1700x1100x1980
Growth chamber without humidity with lights on the door and two sides GVS		**701.2100.11**	**701.2100.12**	**701.2100.13**	**701.2100.14**	**701.2100.15**	**701.2100.16**
Growth chamber with humidity with lights on the door and two sides GVS-H		**701.2101.11**	**701.2101.12**	**701.2101.13**	**701.2101.14**	**701.2101.15**	**701.2101.16**

V/HZ 220/240 - 50

Growth Chambers - Horizontal Airflow

GROWTH CHAMBER WITH/WITHOUT HUMIDITY WITH LIGHTS ON THE DOOR

		GHD/GHD-H 350	GHD/GHD-H 550	GHD/GHD-H 710	GHD/GHD-H 940	GHD/GHD-H 1500	GHD/GHD-H 2200
Capacity	Lt	350	500	700	940	1500	2200
Nr of shelves		1	3	4	4	4+4	4+4
Nr of doors		1	1	1	1	2	2
Compressor RH		1/2	1/2	3/8	3/8	3/8	3/8
Usable dimensions (WxDxH)	mm	705x580x660	630x580x1200	630x580x1350	880x630x1350	1390x580x1350	1390x880x1350
External dimensions (WxDxH)	mm	925x800x114	850x800x1830	850x800x1980	850x1100x1980	1100x850x1980	1700x1100x1980
Growth chamber without humidity with lights on the door GHD		**701.2200.01**	**701.2200.02**	**701.2200.03**	**701.2200.04**	**701.2200.05**	**701.2200.06**
Growth chamber with humidity with lights on the door GHD-H		**701.2201.01**	**701.2201.02**	**701.2201.03**	**701.2201.04**	**701.2201.05**	**701.2201.06**

GROWTH CHAMBER WITH/WITHOUT HUMIDITY WITH LIGHTS ON THE DOOR AND <u>BACK</u> SIDES

		GHS/GHS-H 350	GHS/GHS-H 550	GHS/GHS-H 710	GHS/GHS-H 940	GHS/GHS-H 1500	GHS/GHS-H 2200
Capacity	Lt	330	480	680	900	1400	1980
Nr of shelves		1	3	4	4	4+4	4+4
Nr of doors		1	1	1	1	2	2
Compressor RH		1/2	1/2	3/8	3/8	3/8	3/8
Usable dimensions (WxDxH)	mm	720x540x660	640x540x1200	640x540x1350	840x590x1350	1490x540x1350	1490x840x1350
External dimensions (WxDxH)	mm	925x800x1140	850x800x1730	850x800x1980	850x1100x1980	1700x800x1980	1700x1100x1980
Growth chamber without humidity with lights on the door and back sides GHS		**701.2200.11**	**701.2200.12**	**701.2200.13**	**701.2200.14**	**701.2200.15**	**701.2200.16**
Growth chamber with humidity with lights on the door and back sides GHS-H		**701.2201.11**	**701.2201.12**	**701.2201.13**	**701.2201.14**	**701.2201.15**	**701.2201.16**

V/HZ 220/240 - 50

FORCED AIR GROWTH TEST CHAMBERS

Growth Chambers with and without humidity control - Vertical and Horizontal Airflow

550-710-940 lt Capacity
(with lights on the top,
shelves and sides optionally)

OPTIONAL ACCESSORIES

- Safety thermostat, to protect the samples against high temperatures (optionally low temperatures)
- Audible and visible independent alarms for maximum and minimum temperature, with NiCd battery backup for more than 48h of battery life (72h optionally)

- Additional lights inside of the chamber with different positioning (on the top, shelves, sides, on the back…)
- UV light tubes for sterilization
- LED lights on the shelves, door and sides, corresponding to the wavelength of sulight:380-720nm

- Differentiated temperature range control: day/night +4°C to +60°C (optionally from -10/-20/-30°C to +60°C without humidity control with lights off, from -10°C to +60°C with lights on without humidity control)
- Humidity generator up to +98°C RH
- Air speed regulation between 0.2m/s and 0.5 m/s, assuring an optimum temperature homogeneity, reducing stress on plants
- Air drying system up to 15% RH at +4°C
- Circular temperature and/or humidity recorder, for 7 days, with battery backup, for power failure situations.
- Programmable test times by digital controller

- Access ports to introduce cables and external instruments
- External and Internal stainless steel finish
- Plugs inside of the chamber

- RS 485/232 interface connection for remote control
- PC software on demand
- Potential free output for remote alarm control
- Telescopic trays to locate instruments
- Printer for temperature and humidity data

- 4.3'' TFT touchscreen (7.0'' optionally) with graphic data representation
- GSM phone alarm module
- Ethernet output, to monitor data by cable (MODBUS TCP/ICP) or though a wireless module, including specific software for data control and visualization
- Battery backup for at least 48h (72h optionally)