

PLANT GROWTH CHAMBER WITH PHOTOPERIOD



// CABINET FEATURES:

- Expanded polyurethane thermal insulation on all walls, including doors;
- Low levels of temperature loss to the outside environment;
- Interior illumination when opening the door;
- Internal chamber with polymer coating, pre-molded, anti-corrosion;
- 1020 carbon steel;
- Smooth epoxy powder coating, corrosion resistant;
- Leveling feet;
- Blind door with magnetic seal.

// PHOTOPERIOD

- Led lamps;
- Digital controller.



// INCLUDED ACCESSORIES:

- Shelves;
- Plastic drawer.

// OPTIONAL:

- Calibration certificate from RBC/INMETRO for temperature control;
- Calibration certificate from RBC/INMETRO for the equipment;
- Shelves in stainless steel;
- Control of ramps and levels with 4-20 mA output for software temperature recording and monitoring.



// TECHNICAL DATA:

TEMPERATURE RANGE	-10°C up to 60°C (other temperatures, under analysis)
TEMPERATURE CONTROL	PID system controller by microprocessor and autotuning
TIMER	1 to 9999 minutes (1 in 1 minute) programmable
DISPLAY	Lightning polycarbonate LED 4 digits
OPERATING TEMP. WITH HUMIDITY	0°C to 50°C
ACCURACY	+/- 0.1°C for process temperature indication
RESOLUTION	+/- 0.1°C for temperature indication on process
TEMPERATURE RANGE WITH HUMIDITY	0°C up to 50°C
PRE SET ON/OFF	Lighting indication
PHOTOPERIOD SYSTEM	Day and night light simulation
ILUMINATION SYSTEM	4 LED lamps - 3800 Lux and 10W each
THERMOSTAT SYSTEM	Over temperature cut-off / down temperature cut-off
AIR CIRCULATION SYSTEM	Silent system with vertical hot and cold forced airflow, to ensure homogeneity inside the chamber
POWER CABLE	3 pins - Brazilian standard (NBR 14136)
HERMETICAL COMPRESSOR	1/8 Hp power/compressor with CFC free R 134 A
POWER SUPPLY	110V or 220V (must be defined by customer)

// MODEL DETAILS:

MODEL	CAPACITY	STORAGE VOLUME	INNER DIMENSIONS	POWER SUPPLY	POWER
SSGF 120L	120 liters	109 liters	54x48.2x42.2 cm	110V or 220V	200 W
SSGF 342L	342 liters	323 liters	134x52.5x46 cm	110V or 220V	400 W

Notice: Any product presented can be produced according to customer's needs. All models come with English language instruction manual. 1-year warranty against manufacturing defects.