

"WALK IN" PLANT GROWTH CHAMBER

Perfect solution for botanical and agricultural applications, plant pathology, plant tissue culture studies, seed germination studies, plant genetic research...

- Custom sizes according to user requirements
 - Easy to use fully programmable controller
 - State of the art repeatability
 - Day light simulation control
 - Relative humidity control
 - Temperature control
 - CO2 control (option)
 - PC compatibility









Controller functions:

24 hour day & night cycle control:

24 hours (one day) can be divided into five phases of day and five phases of night!

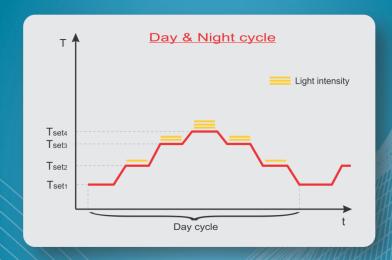
Example:

- Phase 1 (day): 07:00 to 10:00, T = 15°C, Rh = 70%, light intensity 1
- Phase 2 (day): 10:00 to 18:00, T = 30°C, Rh = 80%, light intensity 3
- Phase 3 (day): 18:00 to 21:00, T = 23°C, Rh = 75%, light intensity 2

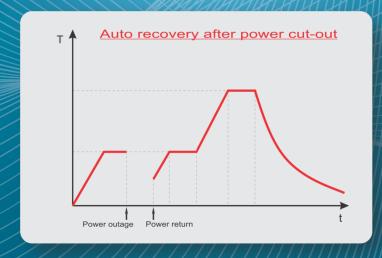
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- Phase 1 (night): 21:00 to 01:00, T = 20°C, Rh = 70%, no lights
- Phase 2 (night): 01:00 to 05:00, T = 18°C, Rh = 73%, no lights
- Phase 3 (night): 05:00 to 07:00, T = 19°C, Rh = 75%, no lights

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Auto recovery after power cut-out:





Technical data:

	Walk in Plant Growth Chamber
External dimensions (WxHxD) in mm	According to user preferences
Temperature range (°C) (lights on or off)	-20+60
Rh range (%)	4095
Temperature & Rh display resolution	0.1°C / 1%
Temperature set resolution (°C)	0.1
Rh set resolution (%)	1
Temperature stability (°C) (lights off)	Better than ±0,3
Temperature uniformity (°C) (lights off)	< ± 1 @ +37°C
Rh Stability (%) (lights off)	Better than ±3
Day light simulation	FLUORA lights (LED as an option)
Illumination intensity	1/3, 2/3, 3/3
Temperature Control	PLOTHUM.
Cooling	Air cooled compressor aggregate
Relative humidity	Steam generator / Ultrasonic humidifier / DEW point
Power supply	3x400 V 50/60 Hz (± 10%)
Access ports (mm)	Ø 40 standard, (Ø 50, Ø 90 as an accessory)
Interface	RS 232 (USB or Ethernet as an optional)

Accessories:

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