

# Atmospheric Controls CO<sub>2</sub>

Hydroponic cultivation is optimized when complete control of the growing environment is maintained. Major growth influencing factors are temperature, humidity, and CO<sub>2</sub>. Homegrown carries monitors, regulators and injectors that allow the grower to maximize the growing environment.

Plant metabolism and growth rate is dependant on the available atmospheric Carbon Dioxide (CO<sub>2</sub>). CO<sub>2</sub> enrichment will dramatically increase growth of plants. The normal amount of CO<sub>2</sub> present in the atmosphere is between 300 and 400 parts per million (ppm.) The recommended level for plants to achieve optimum growth is between 1000 and 2000 ppm.

## CO<sub>2</sub> Injector

- ▶ Regulator/flowmeter combination
- ▶ High quality solenoid valve for super
- ▶ Range: 0-30 Cubic Feet per Hour



- ▶ Fits standard CO<sub>2</sub> tank
- ▶ Exactly regulates CO<sub>2</sub> to desired specific ppm (parts .... per million)
- ▶ Ensures that your growroom isn't lacking CO<sub>2</sub>
- ▶ It is recommended you use a digital timer when injecting CO<sub>2</sub> to maintain an ideal level.

Regular price ..... \$289.99

## CO<sub>2</sub> Bottle

- ▶ Tanks can be exchanged for refill at any Homegrown store.

- 15 lb. Tank deposit.....\$70.00 (refundable)
- 15 lb. Refill .....\$25.00
- 20 lb. Tank deposit.....\$87.50 (refundable)
- 20 lb. Refill .....\$31.13



## Columbus Heating Cooling Thermostat

- ▶ Temperature Range: 40 deg F to 110 deg F
- ▶ Differential: Approximately 3 deg F Heating & Cooling
- ▶ Special 3 prong piggy back plug - no wiring required.



.....\$79.95



## Ductstat Plug in Thermostat

- ▶ In line duct thermostat controls the automatic on/off operation of in-line duct fans installed in the ductwork
- ▶ DuctStat can also control the line voltage to any electrical device with a maximum current draw of 10 amps

.....\$76.00

## Johnson Humidstat

- ▶ Control humidity by setting fans to come on automatically according to desirable settings.

..... \$103.00



## Johnson Heating Cooling Thermostat Digital (A419)

- ▶ Temperature Range: -30 deg F to 212 deg F
- ▶ Differential: Adjustable
- ▶ Optional delay to override temperature control to maintain CO<sub>2</sub> levels

.....\$99.99



Green Air Products has developed a complete line of atmospheric controllers. They are designed to monitor temperature and humidity and operate fans, air conditioning, humidifiers, dehumidifiers and misting systems etc. and can be used in various combinations.

Please see your certified Green Air expert at any Homegrown location to learn how to customize these products to suit you needs.

- CT-DH.....Cooling & Dehumidifying
- CT-DH3P.....Cooling & Dehumidifying Photocell
- HT-DH.....Heating & Dehumidifying
- CT-HT .....Cooling & Heating
- IR.....Interfacing relay
- CST.....Chronometric Sequence Timer
- DT.....Dual Timer
- CD.....CO<sub>2</sub> Generators
- CDM.....CO<sub>2</sub> Monitor
- CDMC.....CO<sub>2</sub> Monitor & Controller
- CDDS.....CO<sub>2</sub> Digital Sequencer
- CYCLESTAT.....Repeat Cycle Timer
- COOLSTAT.....Cooling Thermostat
- HEATSTAT.....Heating Thermostat

## Green Air CO<sub>2</sub> Generators

Green Air's Carbon Dioxide Generators are a low cost method of producing CO<sub>2</sub> eliminating the need to refill heavy tanks. Five sizes to choose from: 3, 6, 12, 18, or 36 cubic feet per hour output.

The complete line of Green Air Products is available upon request. Please call for information and price

