

Maximize Yield with GAS PRO

Solatel

CO2 enrichment can
provide up to 50%
increase in yield in high
performance gardens



FEATURES

- Faster, more reliable, more efficient, electronic spark ignition compared to other methods.
 - Better than standing / continuous pilot - they must be manually lit, burn all the time, waste gas.
 - Faster than glow plug - no time needed for glow plug to heat up, spark ignites immediately.
 - More reliable - in a glow plug ignition system, the most likely part to fail is the glow plug.
- Easier to add optional CO2-400 controller (shown above).
 - Just plug CO2-400's 10 ft. cable into connector on side of Gas Pro. Extension cable available.
 - No separate power supply - draws power from Gas Pro.
 - Safer 24 VAC operation - no 120 VAC at controller.
- More cost effective than bottled CO₂ for larger grow rooms.
- Both Propane and Natural Gas models available.
 - Propane is readily available at many gas stations and hardware stores – easier to find than bottled CO₂.
 - Natural Gas is delivered to many buildings by pipeline from gas utility - no hauling tanks out for refill.
- Strong 18 gage steel enclosure - powder coated for heat and rust resistance.
- Open hook hangers for easier overhead mounting.
- Heat exchanger for forced air cooling of Gas Pro.
- Slots for air in and CO₂ out - safer than big holes or large open area.

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Available through fine indoor gardening stores nationwide.

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www.tradewindsgarden.com

CO₂ GENERATORS

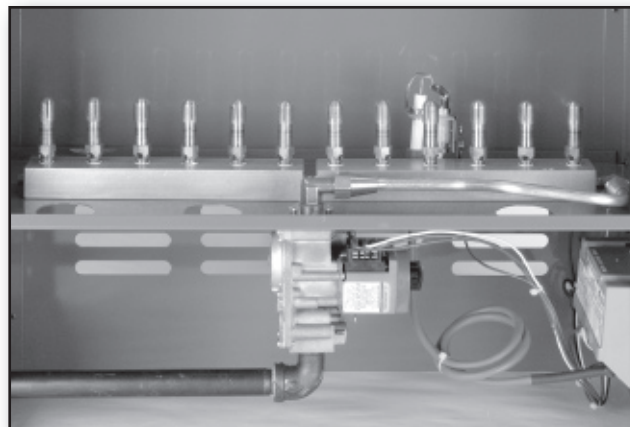
CO₂ (carbon dioxide) is needed by plants for proper growth. In an indoor environment it is quickly depleted, which slows or even stops growth. CO₂ can be added by either a cylinder of CO₂ or by burning cheaper and easier to obtain propane or natural gas. Under ideal combustion, only CO₂ and water vapor are produced. A furnace burns gas, uses the heat, and discards the combustion gases. A CO₂ generator generally does the opposite - it uses the combustion gases (CO₂) and discards or redirects the heat. A furnace is optimized for maximum heat, a CO₂ generator for cleanest CO₂. CO₂ generators are best suited for larger grow rooms with temperature and humidity under good control. The Gas Pro is designed to be controlled by a timer or CO₂ controller. It is not designed for continuous operation.



Optional CO₂-400 CO₂ controller

PROPANE MODEL

Propane is readily available at many gas stations and hardware stores. An empty tank can be brought in for refill or exchange for a prefilled tank of the same type. Because it uses portable tanks, set up is easy. Propane (C₃H₈) is the most popular member of the LP (Liquefied Petroleum) or manufactured gas family. LP is also used to mean Liquid Propane. A propane tank is under pressure such that most of the propane is compressed into a liquid with the evaporated gas above. The gas is drawn off for burning. The regulator connects directly to the tank and reduces the pressure for delivery through the hose to the Gas Pro. The regulator uses the newer Type 1 tank fitting. If your tank has the older POL fitting, have your propane supplier change it.



Gas Pro interior burners

NATURAL GAS MODEL

Natural gas is delivered to many buildings by pipeline from the local gas utility company. It is best suited for more permanent installations and is the cheapest gas available. It is 95% methane (CH₄). The utility typically delivers gas to a building at 5 to 15 psig. At the service entrance there is a meter and regulator which reduces the pressure for distribution within the building. The Gas Pro requires an inlet pressure of 5" to 7" W.C. (7" Water Column is approximately 1/4 psig). If gas is distributed in the building at that pressure, then no further reduction is required. If the gas pressure is higher, such as 2 psig, then a "pounds-to-inches regulator" (not supplied) is required to reduce it to 5" to 7" W.C.

SPECIFICATIONS

- Power supply (input) 120VAC, 60Hz, 0.5 Amp
- Power cord (from power supply) 10' length, 18 AWG, 2 conductor
- Internal operation 24 VAC
- Gas hose (included in all models) 20' length, 3/8" ID, 3/8" female flare fittings
- Propane model gas connection Regulator included with Type 1 fitting for direct attachment to propane tank
- Natural Gas model gas connection Connects to 5" to 7" W.C. gas supply
- Dimensions 27" high (including ducts) x 21" wide x 8" deep
- Weight 40 LBs.

Model Number	PROPANE		NATURAL GAS	
	GP-06-LP	GP-12-LP	GP-06-NG	GP-12-NG
Number of Burners	6	12	6	12
BTU/hr (nominal)	16,764	33,528	16,590	33,180
CO ₂ cu. ft./hr (nominal)	20	40	16.5	33