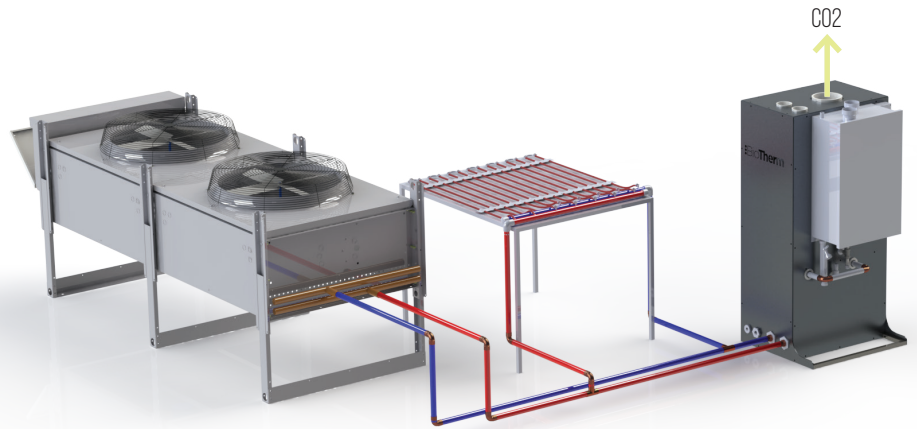


# C-GEN™ ON-DEMAND CO2 GENERATION

CLEAN, INEXPENSIVE CO2 DELIVERED TO YOUR CROP



C-Gen Model I shown.



*Heat generated from boiler can be used for root zone heating, irrigation tempering, heat storage tank or can be expelled through a fluid cooler. Fluid cooler is often required.*

## WHERE IT WORKS

- Greenhouse or indoor facilities

**Introducing the C-Gen: On-Demand CO2 Generation** for the Controlled Environment Agriculture (CEA) Industry. Revolutionize your greenhouse or indoor farming operation with our innovative solution that transforms boiler exhaust into clean CO2 for your plants. With the C-Gen, you can enjoy the benefits of CO2 enrichment without the need for delivered tank CO2, making it scalable and cost-effective for operations of all sizes.

The C-Gen is built on a stainless steel frame, making it corrosion-resistant and able to withstand the elements of the growing environment. Easily integrated to existing environmental control systems.

## FEATURES & BENEFITS

- Plug & play system application
- Enhanced photosynthesis
- Increased crop productivity
- Improved nutrient utilization
- Reduced transpiration
- 10,000 sq.ft. capacity

# C-GEN ON-DEMAND CO2 GENERATION

MODEL	C-GEN I
<b>GROWING SPACE CAPACITIES</b>	
Max Building Size, SQ FT	1-10K
CO2 Generation, PPM	1000-1200
<b>BOILER PARAMETERS</b>	
Condensing Boiler Output, MBH	33-160
Carbon Monoxide Generated, ppm	< 50
<b>GAS FEED</b>	
Gas Source	Natural Gas or Liquid Propane
Min. Gas Pressure, in w.c.	5
Max Gas Pressure, in w.c.	14
<b>ELECTRICAL REQUIREMENTS</b>	
Voltage	110
Phase	1
Hz	60
Blower, hp	1.5
Full Load Amps @ 120V	31
<b>CONTROLS</b>	
Main Power Disconnect Switch	On / Off, 125 A
System Run Switch	On / Off, Illuminated
Boiler Controls	Front Touch Sensitive Panel
CO Alarm Setpoint	3 Capacitive touch sensing keys
<b>CONNECTIONS</b>	
Gas Inlet, in	1/2
Condensate Drain, in	3/4
Heat Transfer Fluid Return, in	1 1/4
Heat Transfer Fluid Supply, in	1 1/4
Fresh Air Mixing Inlet, in	3
Boiler Exhaust, in	3
Boiler Combustion Air Inlet, in	3
CO2 Return Inlet, in	3
Blower Exhaust, in	6
<b>SAFETY CONTROLS</b>	
CO Transmitter Alarm System	50ppm Alarm Limit, Standard Equipment
System Safety Shutdown	Standard Equipment
<b>DIMENSIONS AND WEIGHT</b>	
Height, inches	71
Width, inches	29
Depth, inches	31.5
Weight, lb.	455