



Growing Green

Achieve excellent plant growth with carbon dioxide (CO₂)

Why choose Praxair's liquid CO₂?

Praxair's liquid CO₂ offers a number of potential advantages for greenhouse growers – you may experience better yield, reduced operating expenses, better control of CO₂ levels and the flexibility to introduce CO₂ within the plant canopy at any time. Liquid CO₂ is affordable to install and the process is simple. We will work with you to design, build and install a CO₂ injection system that is right for you and helps you to program CO₂ levels for excellent growing conditions.

Increase crop production

Inside a greenhouse where plants are consuming CO₂ for photosynthesis, the level may be below the ambient conditions required for the optimal growth of your crop. Praxair's CO₂ systems can help elevate CO₂ levels in a controlled, monitored fashion to assist you in achieving excellent plant growth, potentially improved yield, stronger stems and can help reduce your overall operating costs.

CO₂ improves plant growth

Experience and industry results have shown that the amount of carbon dioxide a plant requires to grow may vary from plant to plant, but tests show that most plants will stop growing when the CO₂ level decreases below ambient levels.

Keeping the CO₂ concentration well above these threshold levels consistently throughout the growing cycle is where Praxair can be of help to your operation.

Potential benefits of a controlled CO₂ system:

- Helps maintain CO₂ concentration for the most advantageous plant growth
- Can help improve yield and revenue
- Can help reduce operating expenses

Bulk delivery system

Praxair's bulk or microbulk on-site gas delivery system is a cost-effective cylinder alternative for your business. By replacing cylinders with an on-site supply of gas, Praxair's delivery system may assist in maximizing profitability and improving efficiency.

Convenience:

- Reduced inventory management
- Eliminates downtime from cylinder changeouts
- On-site local supply



Praxair's telemetry systems

If you are looking for a simple, convenient way to manage your industrial gas supply, Praxair can provide remote telemetry units which are designed to track the levels of industrial gas in your storage tanks.

Features of the system include:

- Direct link to Praxair's customer service
- LCD readout which includes current status accuracy within +/- 10%
- Low-level alarm
- Operation through a dedicated phone line

This assists Praxair in:

- Monitoring your tank inventory level*
- Scheduling deliveries when you need them
- Maintaining a recent history of tank inventory levels readings
- Providing you with access to your recent tank inventory levels

* Installing a remote telemetry unit does not relieve the customer from the need to visually inspect their bulk supply system on a regular basis so that any unusual conditions can be reported to Praxair. Also, customers must still notify Praxair when they anticipate changes to their normal operating mode or level of consumption.

Safety

CO₂ is an asphyxiant and should be monitored in the workplace to ensure the safety of workers.

Praxair provides a full range of fixed and portable monitoring and warning systems, for short and long-term measurements, both for area and personal monitoring.



Making our planet more productive

Praxair is the largest industrial, medical and specialty gases company in North and South America. For more than 100 years, Praxair has been dedicated to safety and customer satisfaction, and we provide products, monitoring technologies and services that represent the highest standards of quality and reliability. Our products, services and technologies provide productivity and environmental benefits to a wide variety of industries, including aerospace, chemicals, food and beverage, electronics, energy, healthcare, manufacturing, metals and others.

For a free consultation and detailed information, call 1-800-225-8247 or email us at: applications_support@praxair.com



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