

# CryoEase<sup>®</sup> microbulk solutions



## A cost-effective alternative to cylinder supply



CryoEase microbulk solutions provide the advantages of bulk supply to smaller-volume users of nitrogen, oxygen, argon, and carbon dioxide. By filling on-site with our microbulk solutions, you can eliminate swapping empty for full cylinders and the inconveniences that come with it.



### Features/benefits

Air Products' microbulk solutions provide numerous advantages over cylinder supply:

#### Microbulk delivery maximizes safety at your site

- Eliminate cylinder handling
- Reduce exposure to pressurized and cryogenic gases
- Reduce number of deliveries

#### Greater efficiencies can help reduce costs

- Eliminate residual product returned in cylinders and dewars
- Eliminate lost cylinder costs
- Eliminate cylinder change-outs, which may reduce labor costs
- Decrease the number of invoices and streamline purchase orders, which may reduce administrative and transaction costs
- Free up space formerly used for cylinder storage

#### Microbulk delivery improves quality control, too

- Eliminate potential contamination with dedicated containers
- Simplify inventory management
- Increase operating efficiencies with constant onstream supply

# Switching to CryoEase microbulk solutions in four simple steps

## STEP 1: Site survey conducted

Conducted by trained account representatives who will cover all aspects from tank selection, gas system design (liquid or gas use), installation, servicing, maintenance, and safety guidance.

## STEP 2: System design

Conducted by our engineering team to comply with all appropriate industry/regulatory guidelines and pressure system safety regulations. Usually, there are no additional requirements for special foundations, power supplies or utilities.

## STEP 3: System installation, training and safety checks

Performed by a highly trained technician to help ensure all features are functioning properly and the system is tested prior to release for regular service. Our account representatives will be on-site at the first fill to review delivery and customer service contact information.

## STEP 4: Service initiation and ongoing supply

Air Products' telemetry is available to monitor your gas consumption remotely, and the information feeds right to your desk and our customer service center. Managing your gas supply just got easier with CryoEase microbulk solutions.

For more information, please contact us at:

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Tank mounted digital telemetry helps you manage inventory and guard against runouts.

## Typical applications for CryoEase microbulk solutions

### Nitrogen

- Biotech and life science tissue, cell and blood storage; purging and inerting
- Lab and analytical purging, inerting and cryogenic cooling
- Chemical protective atmosphere and purging
- Metals fabrication laser cutting
- Metals processing heat treating atmospheres and cryogenic cooling
- Food freezing and protective atmospheres
- Electronics reflow oven protective atmospheres and thermal chamber parts testing
- Scientific instrument NMR magnet cooling and scanning electron microscopes
- Indirect-contact whole body cryotherapy

### Argon

- Lab and analytical ICP instrument torch gas
- Welding gas
- Metals processing heat treating atmospheres
- Construction and housing for window and door double glazing

### Oxygen

- Healthcare patient oxygen therapy: hospitals, nursing homes, surgery centers and critical care facilities
- Aquaculture
- Water treatment
- Metals fabrication laser cutting
- Scientific instruments

### Carbon Dioxide

- Welding gas
- Food industry, Modified Atmosphere Packaging
- Industrial applications
- Carbonation

End usage can be provided as pure gases, cryogenic liquids or gaseous mixtures via a blender installed at your site.



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