



## CryoEase<sup>®</sup> service

The ideal solution for higher-volume users providing improved safety and increased productivity.



# Unique benefits for welding, cutting and laser applications

## CryoEase® benefits

A busy company can get through a lot of gas. Whether you are welding, cutting or operating a laser, cylinders and manifolded cylinder packs are the traditional ways to buy your gases. However, if you use more than ten large cylinders a month of Oxygen, Nitrogen, Argon, CO<sub>2</sub> or gas mixtures, we'd like to suggest an alternative.

The CryoEase® service offers pure gases and on-site mixed gas blends for all welding, cutting and laser applications.

We know that you need guaranteed high-purity gases for high quality results. So in developing the CryoEase® service we set out to bring you the quality you know and appreciate - just in larger amounts. A cryogenic tank on your site provides a reliable source of high-purity gas, so storing, ordering and changing cylinders are things of the past.

With tank sizes of 180-2,000 litres, the CryoEase® system will keep your processes running at full capacity. There's no loss of time for changing cylinders, and no need to place gas orders, since Air Products looks after all that automatically. Deliveries are less frequent than with cylinders,

and since you won't even need to supervise them, deliveries can even take place outside of working hours.

**Air Products' CryoEase® service is the modern way to buy Oxygen, Nitrogen, Argon, CO<sub>2</sub> and gas blends mixed on site. It's easy to install, with tank sizes to suit your needs, and it's easy to use.**

## Guaranteed gas purity

The CryoEase® service provides all the qualities you have come to expect from our welding and cutting products, with Nitrogen (99.999%), Oxygen (99.5%), Argon (99.999%), CO<sub>2</sub> (99.95%) and blends of these gases all available in the range.

“Applying innovation and our expertise in metal fabrication to solve our customers’ problems is our core strength and it’s the approach we are taking with our CryoEase® service.

Designed to offer you a simple and convenient alternative to gas cylinders, the CryoEase® service delivers the quality gases you know and appreciate from Air Products – just on a larger scale.”

#### Quick and easy installation

Your CryoEase® cryogenic storage tank is a compact unit with a capacity tailored to suit your needs.

In most cases a CryoEase® installation does not require special foundations or planning permission. If you don’t have a gas distribution system already, it’s a simple matter for us to design and install one.

#### Less hassle, improved safety

Not having to change cylinders improves safety and saves you time. As the tanks are filled on site, you’re ensured continuous product supply with no interruption to your processes.

#### Ideal for limited space

The CryoEase® system is ideal when space is at a premium. Cryogenic liquid storage takes up less room than cylinders. And because Air Products uses a purpose-designed fleet of small CryoEase® delivery vehicles, access for filling isn’t a problem.

#### No need to re-order

A CryoEase® contract means not having to worry about gas orders – we’ll take care that you never run out. Topping up the tank is quick and easy and we can even do it outside your normal working hours.



#### Applications

- Argon for MIG/TIG welding applications
- Argon/CO<sub>2</sub>/Oxygen mixed on site for MAG welding of carbon steels and stainless steels (other gas blends available on request)
- Oxygen for oxy-fuel, plasma and laser cutting of carbon steels
- Nitrogen for plasma and laser cutting of metals and other materials
- Argon for laser welding

#### Unique benefits

- Supply capability up to 32bar pressure and 100Nm<sup>3</sup>/hour flow rate (dependant on application)
- Up to 2000 litres liquid tank capacity
- 2000 litre tank equivalent to:
  - 167 x 200 bar oxygen cylinders
  - 153 x 200 bar nitrogen cylinders
  - 147 x 230 bar argon cylinders
- More cost effective than manifolded cylinder packs (MCPs) for continuous high pressure laser cutting

# Professional gas supply for fabrication processes

If you're looking for maximum throughput from your processes, we're convinced that the high purity, continuous supply and simple administration of the CryoEase® service are just what you need for your welding, cutting and laser processes.

Air Products also offers the full range of cylinder gases and gas mixtures for metal fabrication processes.

Our Maxx® gases and award-winning Integra® cylinders, underpinned by guaranteed quality and excellent customer service ensures a market-leading gases solution for all your fabrication applications.

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