

Don't pay twice for your laser gas!

CryoEase® - High pressure assist
gas service for laser cutting



Compact high-pressure CryoEase® service

Our unique compact high-pressure CryoEase® service allows your gas to be refilled while your machine keeps running, eliminating any loss in production. There is also no need to vent down your tank and lose gas you've already paid for.



Your high-performance laser cutting system is a significant investment requiring highly skilled operators and state-of-the-art technology. So it's important to ensure you have the most reliable assist gas supply system available.

With gas delivery pressures up to 30 bar and storage sizes from 230 up to 2,000 litres, our CryoEase® mini tank solutions have the flexibility to handle your gas supply in a safe and reliable manner.

- Drive operational efficiencies - a constant onstream supply
- Eliminate downtime – tank can be refilled whilst your laser machine is running
- Save time, improve safety – no more handling or changing over cylinders
- Save space – tank can be sited conveniently to relieve valuable floor space
- Peace of mind – the service automatically schedules regular deliveries, saving you the hassle of raising orders or waiting for deliveries



Simple, streamlined transition

Move from “complex and costly” to “productive and profitable” in 5 simple steps with our help along the way:

1. Site Survey

We can explore the best options with you to match your downstream equipment requirements. The survey will cover all aspects of tank selection, gas system design, installation, servicing, maintenance and safety advice.

2. Full Design, Installation and Testing

There is generally no need for special foundations. An electrical point is all that is required next to the tank, there are no other utility requirements. Your CryoEase® system will be designed, installed and fully tested in compliance with Pressure Systems Safety Regulations and BCGA* guidelines.

*British Compressed Gas Association

3. Comprehensive Training Documentation

Basic safety and tank operation training is provided as standard, with additional training packages available at an extra cost.

4. Ongoing Safety and Maintenance Checks

A comprehensive maintenance scheme to ensure optimum tank performance and safety of system, as well as compliance with Pressure Systems Safety Regulations is included.

5. Automation Replenishment

Your tank will be filled at regular scheduled intervals to ensure you always have the gas you require.

Considerations

Interested? We'd be delighted to talk to you about the ideal solution. You may want to consider the following items for your tank installation:



Site

The tank needs to be sited at ground level on a flat, even surface.



Installation Access

Sufficient access for tank installation is required – access needs to be wide enough and free of steps, overhead obstructions and doorways.



Refill Access

For high pressure laser gas refilling we use our latest compact range of CryoEase® service vehicles. However, the access route needs to be clear and free from parking and weight restrictions, with no overhead cables, to ensure the trailers can safely park close to the tank without causing obstruction to your ongoing operations.



Power

An electrical supply is required next to the tank to provide power for the high-pressure pump inside the tanker.



Security

The tank needs to be secured from unauthorised access with 600mm around the tank inside a cage. This cage needs to be made from appropriate material depending on the gas in the tank. Air Products can supply cages if required.



Pipework

Consider the distance between tank location and point of use - a CAD drawing of your premises is useful for this. Air Products is able to supply and install pipework engineering services if required.



Usage

Lastly, in addition to the type of gas required, it is important to know the anticipated usage per month (litres/kg), normal and peak flow rates and working pressure requirements. Much of this data can be provided by your laser supplier. Additional equipment can also be provided by Air Products if required.

Choose our unique high pressure CryoEase® service and stop wasting hours of valuable production time every time you refill your laser gas.

Contact us to request a FREE no obligation laser gas consultation.

We work with all major laser manufacturers.

UK

Call: 0800 389 0202

Email: apukinfo@airproducts.com

Visit: airproducts.co.uk/laser

Ireland

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