

CRYOGENIC VESSEL SERVICING INSPECTION & REPAIRS

Here at Wessington we have the skills and experience to carry out comprehensive servicing, inspections and repairs to most types of vessels, at either your premises or our repairs facility in Houghton Le Spring, Tyne & Wear.

Does your company operate cryogenic vessels?
These vessels operate in an array of environments and may become damaged.

Wessington can repair your vessels to an as new condition, considerably extending the life expectancy of your original purchase.

We can also carry out on site full servicing to help keep your vessel operating in a safe & efficient manner.

What we are able to offer you:-

- Vessel serviced in accordance with the Pressure Systems Regulations 2000, which is a legal requirement
- Full repair service to both the inner & outer vessel, bringing your vessel to an as new condition, ensuring your vessels are operating in a safe & efficient manner
- A superior after sales service to keep your vessel maintained and operating to its original as new condition
- Fully trained service engineers to inspect, service, repair, vacuum re-pump & recertify your vessel at your establishment in accordance with the Pressure Systems Regulations 2000. This will in turn form part of the Written Scheme of Examinations as required by law
- Drawing up a Written Scheme of Examination
- Revalidate your vessel in accordance with BCGA CP39 (Module 1) and carry out an Ageing Pressure Equipment Assessment (APEA)
- A full detailed service report is provided for your records

For more in-depth repairs we are also able to offer you a full service & repair package at our repair facility. We repair accident damaged vessels with both internal and external vacuum leaks, bringing your vessel back to an as new condition.



Wessington is an ISO 9001, ASME U / ASME R, PED, TPED, Medical Devices Directive Accredited Company. Wessington also have a welding management system which complies with ISO 3834 Part 2 and EWF / IIW requirements. Our welders are coded to both ASME IX and EN 287-1 2004 & 2011.

Note: Documentation must be available for review to produce a WSE and determine the vessels safe operation, limits and for further revalidation to take place. Where documentation is unavailable or insufficient, it may not be possible to repair / recertify / revalidate the vessel in accordance with relevant codes. WARNING – Failure to comply with these minimum requirements may mean you are operating illegally, you may not be covered by your insurance and your gas / liquid supplier may not fill your tanks.

CRYOGENIC SAFETY & PRESSURE SYSTEMS COMPLIANCE

This highly interactive instructor-led workshop focuses on the safe handling and use of cryogenic vessels and liquids, also what actions are required to enable users to comply with their legal obligations to maintain safe systems of work.

Workshop overview:-

- Why do accidents occur with cryogenic liquids?
- Properties of cryogenic liquids
- Expansion rates and oxygen deficiency
- The need for oxygen monitoring systems
- Team exercise - inert gas release rescue
- Hazards posed by cold - cryogenic burns
- The need for personal protective equipment
- Hazards posed by pressure
- Design of cryogenic vessels
- Team exercise - valve identification
- Pressure Systems Safety Regulations 2000
- The need for Written Schemes of Examination
- Fault finding on cryogenic vessels
- Effects of a poor vacuum
- Servicing requirements for cryogenic vessels
- Potential oxygen enrichment hazards during decanting
- Team exercise - safe decanting procedures

What you will learn:-

- Appreciate the hazards posed by cryogenic gases / liquids
- Be aware of the hazards of asphyxia
- Recognise the need for ventilation and monitors
- Reduce risks when using cryogenic liquids
- Recognise how cryogenic vessels operate
- Appreciate the need for compliance with PSSR 2000
- Assess which systems require a Written Scheme of Examination
- Define the maintenance requirements for your cryogenic vessels
- Fault find cryogenic systems to identify non compliance
- State the correct servicing requirements for cryogenic vessels
- Select and wear appropriate PPE when using cryogenic liquids
- Be aware of the need to move vessels with care
- Manage the safe storage of cryogenic vessels and gases / liquids
- Review emergency procedures
- Introduce safe working practices into the workplace

If you wish to book a place(s), call the office on 0191 512 0677 or email training@wessingtoncryogenics.com

For further information about our training courses please visit our website on www.wessingtoncryogenics.co.uk/services/training-courses

Note: Employers and employees have a legal obligation to adhere to the Health & Safety at Work Act 1974 section 2:2, in the case of training to 'provide information, training and supervision to all people who are exposed to risk'.