

Gas Safe Pressure Systems - Our range of services

Assisting with pressure systems compliance



How can Gas Safe help with your piped system?

Gas Safe offers **four services** to assist companies who have a piped system

- Survey and production of a Written Scheme of Examination
- Supply system/vessel inspection and test
- Distribution pipework maintenance and pressure test
- Pipework monitoring system to detect leakages or system failure



Survey and production of a Written Scheme of Examination

All pressure systems / piped systems and cryogenic storage vessels that come under the scope of the Pressure Systems Safety Regulations 2000 (PSSR 2000) must legally have a Written Scheme of Examination (WSE) – you cannot use them without one.

The typical contents of a Written Scheme of Examination include:

- The name and address of the owner and user
- The Safe Operating Limits for the system or vessel
- A detailed schematic diagram, using British Standard / ISO graphic symbols
- A detailed pipework drawing
- The items to be examined - including all protective devices
- The operating limits of the specified items to be examined
- The methods of examination (inspection) and their intervals
- An alphanumeric identification system to individually identify items
- A section for the documentation of revisions to the system and the Written Scheme
- Documented proof of compliance to the regulations – examination reports and certificates

For full details please visit our website

The cost of surveying and then producing a WSE is from £475 + vat

Once you have your Written Scheme of Examination, or if you already have one, you will need to arrange for your system or vessel to be inspected and tested – this is also a legal requirement under PSSR 2000.

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Supply system/vessel inspection test

The periodic examination (inspection) and test of any equipment that falls under the scope of PSSR 2000 is a legal requirement – you cannot operate the equipment unless it has been examined and passed safe at the intervals defined within the systems Written Scheme.

If equipment has not been examined (inspected) and the date for examination has passed, the system must not be used until an examination has been carried out.

Our supply system inspection and test package includes:

- Full analysis of your gas system
- Pressure testing to identify leaks
- Annual relief valve testing and safety evaluation of equipment including regulators, relief valves, gauges, etc

The cost for us to carry out the inspection and test can only be assessed once we have sight of an accurate schematic diagram; this will be contained in the systems Written Scheme, please contact us to discuss your requirements

Distribution pipework maintenance and pressure test

British Compressed Gases Association (BCGA) Code of Practice CP23 refers to the application of the **Pressure Systems Safety Regulations 2000** to industrial and medical pressure systems installed at user premises.

Part of this document states that distribution pipework that operates at below 0.5 bar is not subject to a Written Scheme of Examination but requires regular maintenance and pressure testing.

It goes on to state that pipework should receive an annual leak test at operating pressures (often referred to as a pressure test) as well as a visual and functional check of all components. This is regarded as the minimum acceptable.

Additionally, the Provision and Use of Work Equipment Regulations 1998 requires that risks to people's health and safety from equipment that they use at work be prevented or controlled.

In general, the regulations require that equipment provided for use at work is:

- Suitable for the intended use
- Safe for use, maintained in a safe condition and in certain circumstances, inspected to ensure this remains the case
- Used only by people who have received adequate information, instruction and training and accompanied by suitable safety measures e.g. protective devices, markings, warnings

Consequently, pipework that carries gases or cryogenic liquids under pressure must be suitable for the intended use, safe for use and maintained in a safe condition.

Gas Safe provides pressure testing and maintenance of distribution pipework, please contact us to discuss your requirements

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Pipework monitoring system to detect leakages or system failure

Gas Safe works closely with a consultancy organisation who are able to offer two levels of pipework monitoring:

1. AutoGEMS (Gas Efficiency Management System) - Monitoring

This is a fully automated real time computerised gas management and data logging system. It has been developed to monitor gas consumption and to analyse the consumption for wastage by identifying gas leaks and excessive flow.

Data is gathered over a 24 hour period and compiled into daily spreadsheet reports which are e-mailed to end users; system efficiency reports can identify items for urgent action by sending an alert via text messaging.

Identification of gas wastage will result in cost reduction; it will also have an environmental impact by ensuring that only the optimum amount of gas is being safely used.

2. AutoGEMS – Safety

This package uses all the features of AutoGEMS monitoring but has the ability to link gas usage to standard conditions. Should gas usage exceed these conditions AutoGEMS Safety has the functionality to report the fault and or close the system down;

For example, should a nitrogen pipe develop a leak during or outside normal working hours, AutoGEMS Safety will either report the leak via text message or isolate the system to prevent further build up of gas.

Identification of gas leakage will result in a safer working environment; it will also have an environmental impact by ensuring gases are not being leaked into the atmosphere.

Please contact us for more information regarding these monitoring systems

This document provides an overview of Gas Safe Pressure Systems services - visit www.gas-safe-pressure-systems.com for further details

Contact us...

If you know or wish to discuss your requirements;
Call us on **01270 758890** or e-mail enquiries@gas-safe-pressure-systems.com
Visit www.gas-safe-pressure-systems.com and complete an enquiry form

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