



Gas Line/Sample Cylinder Tags - PIB CS21001

Analytical Gas Installations

If your laboratory has recently been fitted with new gas lines, the installation will likely appear professional and compliant with key regulations such as the Health and Safety Executive frameworks including the [Pressure Systems Safety Regulations 2000](#) and [Health and Safety at Work etc. Act 1974](#), alongside best practice guidance from the [British Compressed Gases Association](#) (BCGA).

In many cases, laboratories are also transitioning to gas generators, which incorporate built-in safety features and reduce reliance on high-pressure cylinders. However, where this is not the case, periodic inspection of gas installations remains essential.

Typical Challenges in Laboratory Installations

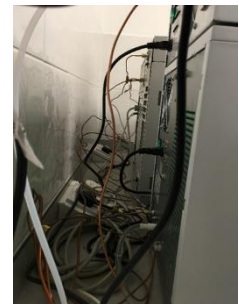
In practice, installations often evolve over time and may not retain their original clarity or organisation.

Common issues include:

- Intertwined 1/8" copper tubing around the rear of instruments
- Difficulty identifying gas lines quickly

These challenges can lead to:

- Delays in maintenance or troubleshooting
- Reduced confidence in system integrity



ChromSolutions Approach

To address these challenges, ChromSolutions has developed a range of low-cost, practical identification solutions designed specifically for GC and laboratory gas systems.

These products are designed to:

- ✓ Improve visibility and identification of gas lines
- ✓ Enhance safety during operation and maintenance
- ✓ Support compliance with best practice standards
- ✓ Reduce time spent tracing and verifying gas supplies

Gas Line & Sample Cylinder Tags

ChromSolutions gas tags are manufactured using 3D printing technology (PLA material) and designed for durability, clarity, and ease of use.

Key Features & Benefits

- ✓ Clear Visual Identification
 - Displays gas type using chemical symbols
 - Immediate recognition of gas lines and cylinders
- ✓ BCGA Colour Coding Compliance
 - Aligned with BCGA Technical Information Sheet 6
 - Consistent and recognisable colour schemes
- ✓ Customisable Design
 - Tailored to gas type
 - Adaptable to site-specific requirements



Practical Benefits in the Laboratory

These tags provide a simple yet highly effective way to:

- Quickly identify gas lines during routine operation
- Reduce errors during instrument setup or maintenance
- Improve safety when isolating or leak-checking systems
- Maintain a clean, professional, and organised installation

Gas Tags - Clearly Identifies Gas Type



Summary

Gas line identification is a small detail that can have a significant impact on laboratory safety, efficiency, and confidence in operation.

Part Number	Product	Diameter (mm)	Height (mm)	Weight (g)
CS-GT-***-3D	Gas Tag	60	3	6

* replace *** with gas type i.e. H2 – Hydrogen, He – Helium, O2 – Oxygen, N2 – Nitrogen, Ar – Argon, AIR – Air. Other gases and company names available on request.