

A photograph of two surgeons in an operating room. They are wearing blue surgical gowns, blue bouffant caps, and white face masks. The surgeon on the left is an older man with a white beard, and the surgeon on the right is a younger man with a beard and glasses. They are both looking down at a patient on the operating table. The background shows surgical lights and a sterile environment.

Ensure your staff  
is **operating in a  
safe environment**

Anaesthetic Gas Scavenging re-commissioning





# AGS annual re-commissioning to satisfy HSE guidelines

The Anaesthetic Gas Scavenging disposal system is a Local Exhaust Ventilation (LEV) system and has a vital role ensuring staff are operating in a safe environment. The HSE state that: "Wherever substances that are hazardous to health are handled, produced or processed in ways that result in dust, fumes or gases being given off to the workplace atmosphere, current legislation requires that exposure to hazardous substances is either prevented or, where this is not reasonably practicable, adequately controlled." They later go on to state that: "In addition to effective preventative maintenance, there are statutory requirements to undertake formal examination and testing of LEV systems under COSHH and other regulations."

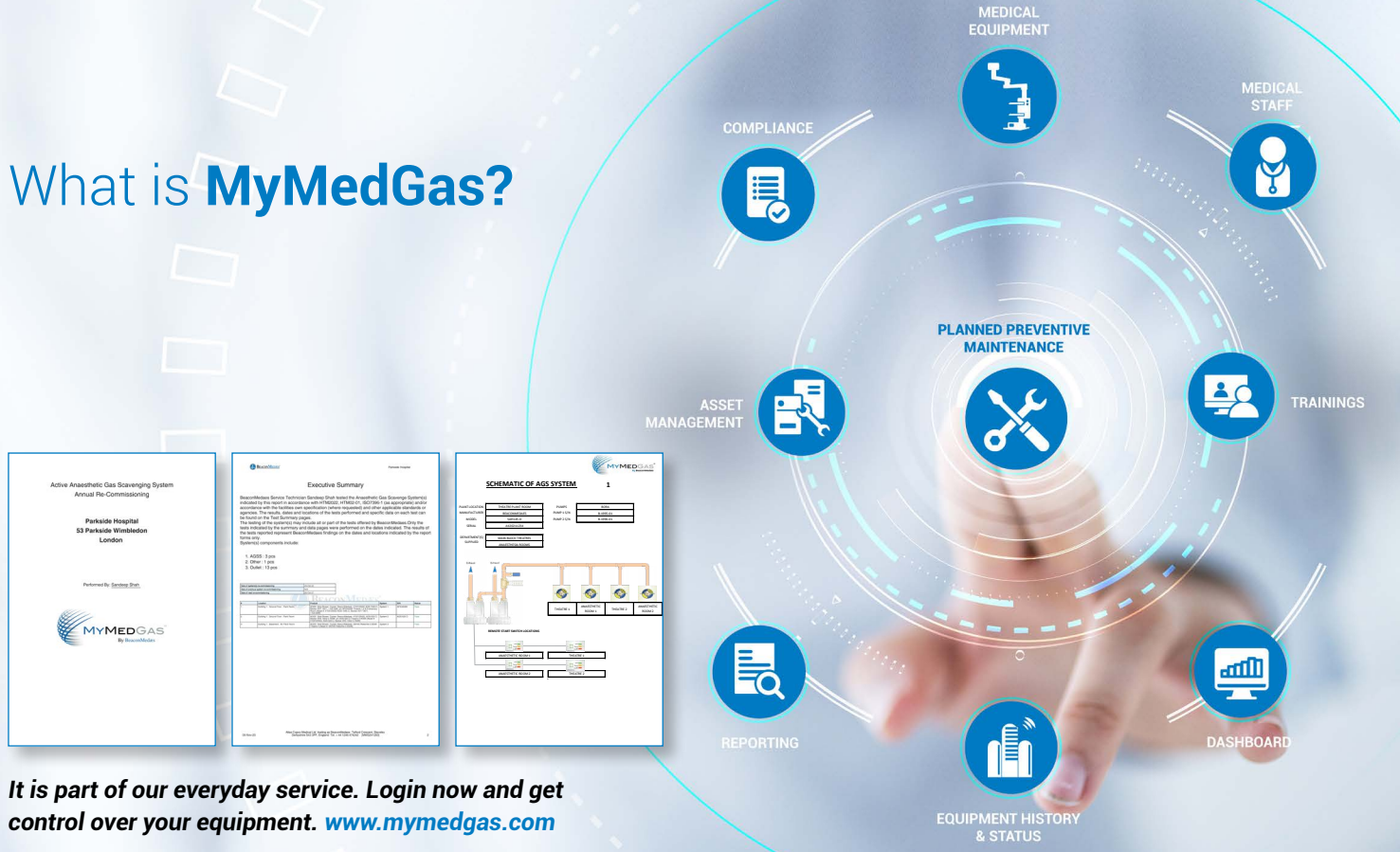
BeaconMedæ's can be your trusted partner working to ensure AGS annual re-commissioning satisfies HSE guidelines. Using our digital platform **MyMedGas** we are able to offer detailed, comprehensive test reports housed on the portal ensuring a robust audit trail for compliance requirements.



## Reassurance & compliance

As a Local Exhaust Ventilation (LEV) system each separate AGS system should be re-commissioned annually and a formal report issued. Each system needs to be out of use to enable all the testing (including total flow) to take place so work tends to be out of hours or weekends. This is usually separate to a conventional PPM contract. The test confirms that the performance of systems and terminal units is still as it should be.

## What is MyMedGas?

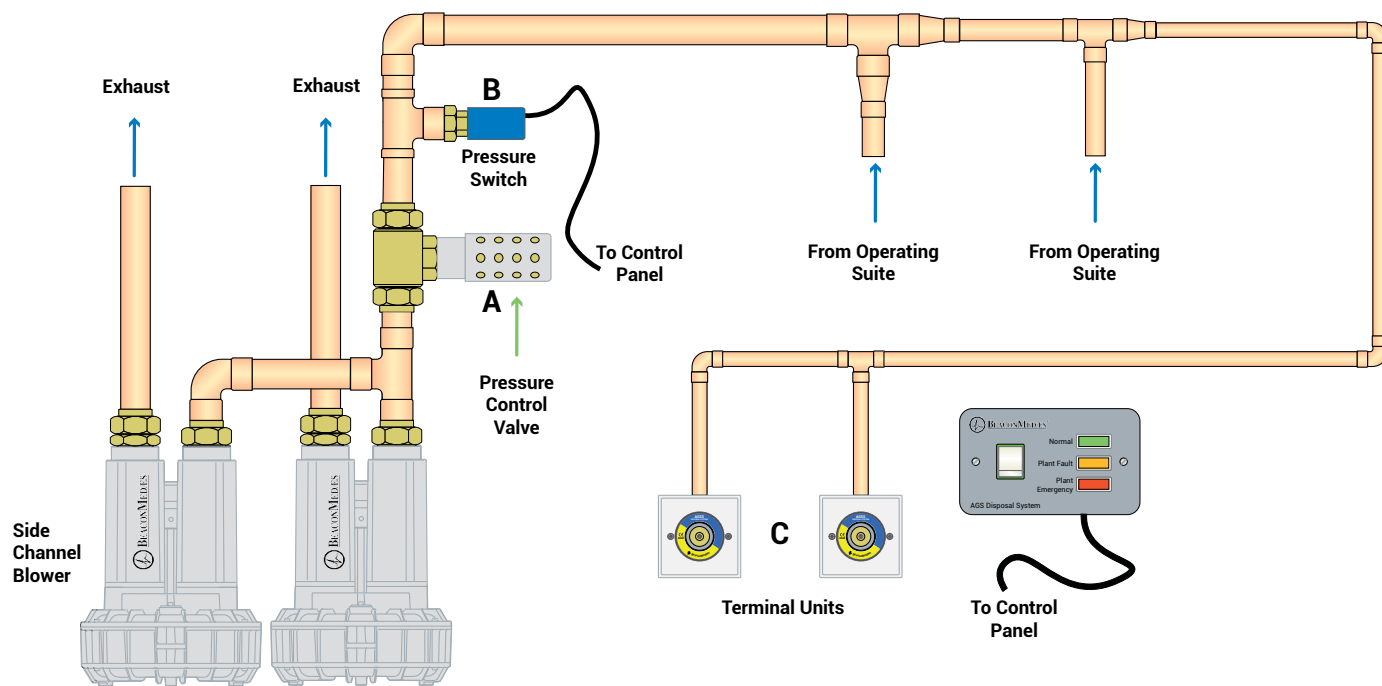


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## AGS annual re-commissioning

- AGS disposal systems are classified as a Local Exhaust Ventilation (LEV). Annual re-commissioning should be performed under COSHH regulations. All outlets and the plant units are performance tested, to ensure the correct flow and suction level is achieved. This is undertaken by adjusting the medical gas terminal units on the system, and the flow regulating valve accordingly until the system is balanced correctly. A formal test report is then provided
- AGS flow regulating valves are prone to collecting dust which affects the system performance. Optional filters can be installed on current BeaconMedæ's plant equipment, as well as some 3<sup>rd</sup> party systems to protect against dirt ingress to the pump, to help prolong pump life. These filters require annual replacement which should be conducted at the same time as the re-commissioning

Anaesthetic Gas Scavenging System Simplified Schematic | Multiple Suite System with Duplex Blower



Note: Not all system components required are shown





## Other applications

Active anaesthetic gas scavange systems are not just used in large general hospitals or similar facilities. Any facility where operating procedures are undertaken using Nitrous Oxide gas i.e. for anaesthetic purposes will have either an active system using vacuum, as shown in the diagram (AGSS), or a passive system. Any expelled gas will need taking away from the patient and exposed staff and safely venting to atmosphere.

Applications such as cosmetic surgery clinics, surgery centres, veterinarian hospitals and dental facilities can have active AGS systems installed. Under COSHH regulations these systems require re-commissioning on an annual basis too.



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