

The logo for SHJ Medical Gas Specialists, featuring the letters 'SHJ' in a bold, white, sans-serif font inside a blue rounded rectangle.

**SHJ**

**MEDICAL GAS  
SPECIALISTS**

DELIVERING LEADING INNOVATIONS

A blue-tinted photograph of a surgical team in an operating room, focused on a patient. The scene is overlaid with a large, glowing blue hexagonal frame. In the bottom left corner, a white and black robotic hand is visible, pointing towards the center of the frame.

# PROTECT THE HEALTH OF YOUR FRONTLINE MEDICAL STAFF

AGSS – Anaesthetic Gas Scavenging System

[www.shj.co.uk](http://www.shj.co.uk)



## Protect the health of your medical staff

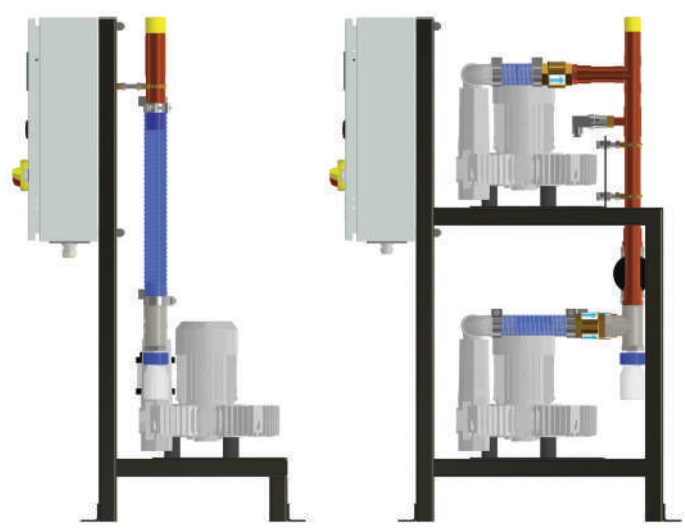
There are known long-term health hazards to medical staff who are routinely exposed to waste anaesthetic gas inhalation.

SHJ's Anaesthetic Gas Scavenging System (AGSS) is an active system which extracts and disposes of harmful waste anaesthetic gases from operating theatres, delivery rooms and any other medical areas which utilise anaesthetic gases.

### Why Duplex?

Duplex AGS systems are the recommended solution so that when undertaking planned preventative maintenance, or in the event of a blower breakdown, the stand-by unit is automatically brought online. This ensures continuity of AGS supply and provides protection for medical staff.

Simplex systems are permitted, however, as specified by HTM02-01, wherever a single AGS pump is provided, a spare pump for up to six units should be provided. This would need immediate connection to the system, in the event of a malfunction or failure.



## Designed by SHJ to exceed all regulatory standards

SHJ's AGS systems are designed, manufactured, tested, commissioned, and certified under an ISO 13485:2016 – Medical Devices quality management system in our UK based manufacturing facility. The systems are fully compliant with the requirements of BS 6834 and EN ISO 7396-2, HTM 02-01 and HTM 2022, which demonstrates SHJ's ability to provide products and services that consistently meet customer and regulatory requirements.

# Why choose the SHJ Anaesthetic Gas Scavenging System?

## Assured Reliability

Robust Pumps that are pre-piped, wired, tested, and come with a full no quibble warranty.

## Simple Installation and Commissioning

Fully integrated HMI display with manual-mode functionality, alongside, accessible frame mounting holes and pre-piped copper connections, provide efficient and simple on-site installation and commissioning.

## Critical Care Redundancy

Layered fail safe control system with remote status indication and power loss fail safe startups.

## User Friendly

Bright Digital Display HMI and button touch screen with simple user interface allows for easy plant control, plant status and vacuum pipeline pressure identification.



## Engineer Friendly

Easy access to the inlet filter and HMI touch button pump duty selector keeps your maintenance time to a minimum. Pre-greased bearings require no intervention during the lifetime of the system.

## Space Efficient Design

Space saving 'stacked' design as standard to maximise efficient use of plantroom floor space.

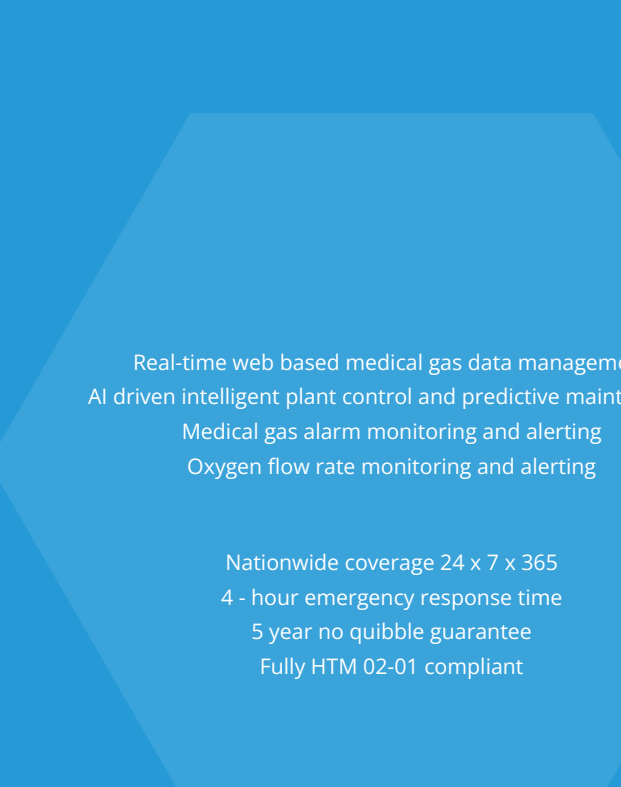
## Easy Remote Control

The AGS System is activated by a remote-control panel which can be installed either inside the operating theatre or anaesthetic facility, or nearby.

## Precise Vacuum Regulation

Vacuum levels are optimised by a vacuum relief valve preventing or releasing atmospheric air to purge the system. This ensures ideal vacuum levels in the pipeline and provides continuous cooling for the pump.

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- ◆ Medical Gas System Design
  - ◆ Installations
  - ◆ Refurbishments & Upgrades
  - ◆ Planned Preventative Maintenance
  - ◆ Plant Manufacture & Servicing
  - ◆ Laboratory Gases
  - ◆ Emergency Plant Hire



Real-time web based medical gas data management  
AI driven intelligent plant control and predictive maintenance  
Medical gas alarm monitoring and alerting  
Oxygen flow rate monitoring and alerting

Nationwide coverage 24 x 7 x 365  
4 - hour emergency response time  
5 year no quibble guarantee  
Fully HTM 02-01 compliant



### Contact Us

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