

# AGS System

Anaesthetic Gas Scavenging System

# Providing a safe and healthy workspace for medical personnel

A safe and healthy workspace is of primary importance in a hospital's operating department. Pneumatech Medical Gas Solutions' (PMGS) active Anaesthetic Gas Scavenging (AGS) Systems are designed to safely remove exhaled anaesthetic agents from an operating department and dispose of them in the atmosphere, preventing contamination to safeguard employees and patients.



## Simplex and Duplex systems

Pneumatech Medical Gas Solutions' AGS plants come in either a simplex or duplex configuration and are designed to be compact and user friendly. The pump units are skid mounted on a steel chassis with the necessary connections for installation onto the distribution system. The inlet connections incorporate a vacuum switch and relief valve for system set-up and easy configuration. Medical Gas Terminal Units are simple to adjust on any AGS plant, making PMGS Anaesthetic Gas Scavenging Systems extremely easy to maintain and balance.

## System activation

The AGS systems employ remote start switches, which should be installed in any area with an active medical gas terminal unit. The switches are wired in parallel, so any switch on the system turned to the "ON" position activates the AGS system. When the terminal unit is no longer in use these switches should be returned to the "OFF" position to shut down the AGS system. Start switches incorporate all the required alarm indicators and display plant status.

## Design

All Pneumatech AGS units are pretested and designed to be in line with HTM2022, HTM02-01, C11 and all related BS EN ISO standards. All standards are dependent on the model selected.

AGS systems do not provide a life-support function, so simplex units are permitted by standards. However, HTM02-01 requires at least one spare pump is available within the medical facility for every six plants installed, should a replacement be immediately required on-site.

# Technical specifications

## Controls

On simplex pump units, the control equipment is mounted in a clear plastic, secure enclosure with indicators for “Power On”, “System Running”, “Pump Failure” and “System Failure”. The control equipment is positioned alongside the blower to create a small and compact package.

Duplex control equipment is mounted in a powder coated steel enclosure and incorporates “Power On”, “System Running”, “Duty Pump Failure” and “System Failure”.

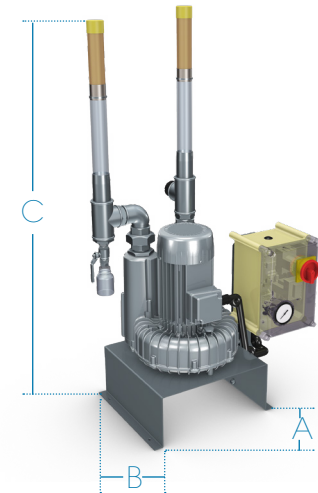
An analogue gauge is included in the controller cabinet to indicate the vacuum level within the pipeline system, as well as assist with on-site set-up and ongoing calibration of the system. The controls are positioned at a user-friendly height, simplifying installation, operation and maintenance.

The duplex system also features a duty pump selector for manual selection of the operating pump. The standby pump is activated automatically whenever the duty pump fails or is otherwise out of service.

Our AGSS receiver disposal system is the practical solution for waste anaesthetic gas discharges and is designed as an integral part of any waste anaesthetic gas system that conforms to clauses 3.2 and 3.4 of BS6834. The receiver itself conforms to clause 3.3 of BS6834 and comes with a transfer system, hose assembly, and user instructions, making it ready for immediate use.

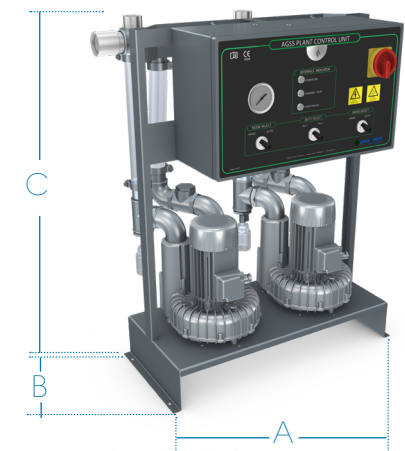
## Simplex systems

Model	Plant output	Dimensions			Weight
	l/min	A	B	C	kg
260/1	260	600	500	1300	21
260/3	260	600	500	1300	21
520/1	520	600	500	1300	27
520/3	520	600	500	1300	27
1040/3	1040	600	500	1300	33
1430/3	1430	600	500	1300	33



## Duplex systems

Model	Plant output	Dimensions			Weight
	l/min	A	B	C	kg
520/3	520	900	550	1150	85
1560/3	1430	900	550	1150	100
2860/3	2860	900	550	1150	120



Key Points
Factory tested and certified.
Compact design.
High quality components.
User friendly controller.
Simplex and Duplex systems provided with 24 voltage control panels.
Vacuum indication gauge.
High performance side channel blowers.
Adjustable medical gas terminal units.
Durable remote start switches.
Optional relays for connection to BMS.
Pressure balancing valve fitted direct to each plant.
Separate pressure balancing valves available for piping inline on request.
Drain jars fitted to each exhaust port.

Compliance
HTM02-01, HTM2022, C11 and all related BS EN ISO standards.

Easy installation
Configuration and set-up can be performed on site.

Spare parts
The Medical Gas Spares Department plays an important role in after-sales support for our customers, delivering all requirements for medical gas systems replacement parts and service components.

Service and maintenance
Throughout the UK our network of service engineers provides full Service and Maintenance support of the highest quality.
Outside the UK our fully trained distributors provide a similar local service.
Comprehensive one year warranty and technical support.

