



# AGSS SYSTEM



**Medi Smart** Delivering innovative and reliable **Medical Engineering**, tailored for the GCC healthcare sector.



## SIMPLEX / DUPLEX AGSS

Medismart produces a complete range Duplex systems. They start with a small flow rate of 130l/m to any size to suit customers requirement. AGSS Plants are manufactured in accordance with Quality Management System. AGSS Plants are used to extract gases and aerosolized medication from operating rooms, which have been exhaled from the patient to the outside of the hospital, protecting operating room Staff from long term exposure to these harmful substances. In order to maintain a safe workplace within the Operating room, Occupational Health Set the maximum limit exposure to potentially harmful gases as follows. Nitrous Oxide 100ppm Halogenated volatile anesthetic agents 50ppm If Halothane is used 10ppm. The Medismart Simplex and Duplex AGSS Plant is very easy to install.

- Medismart Systems designs and builds Anaesthetic Gas Scavenging Sys- tems in accordance with standards.

- The plants are manufactured in a package format and in Simplex or Duplex pump arrangements and are suitable for single or three phase supply voltages.

- The expertise which has been established over the years has enabled Medismart Systems to design a unit which requires the minimum amount of maintenance. To ensure the maximum life of the plant it does require periodic routine maintenance and Medisamr Systems are able to offer this through their established service department and online.

### PUMPS

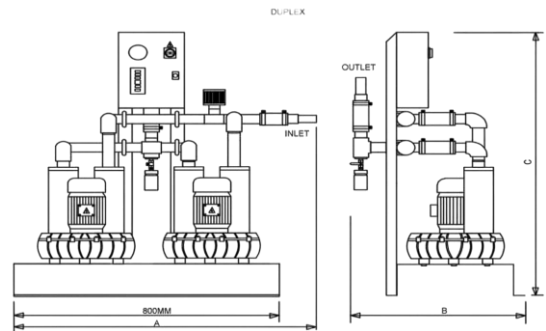
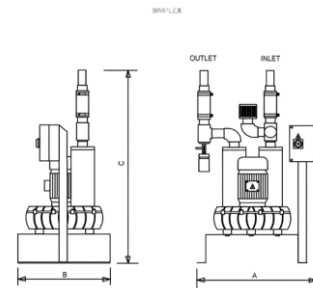
The pumps utilised are of the dry running, air cooled type directly coupled to a TEFC electric motor to form an assembly.

### CONTROL PANEL

Containing the motor control gear and contacts for connection of a remote switch so that the system can be controlled from within the hospital. Duplex machines are additionally fitted with Mains On and Pump Running indicators and a door interlocked isolator switch.

### ADDITIONAL ITEMS AVAILABLE

Remote Starter Switches and Line Balancing Valves are available to fully exploit the AGSS systems potential.



Product Code	Simplex	Duplex	Plant Size	Power (kW)
AGSS- Simplex/Duplex -130	MS-AGS-S-130	MS-AGS-D-130	130 l/min	0.40
AGSS- Simplex/Duplex -260	MS-AGS-S-260	MS-AGS-D-260	260 l/min	0.40
AGSS- Simplex/Duplex -390	MS-AGS-S-390	MS-AGS-D-390	390 l/min	0.75
AGSS- Simplex/Duplex -520	MS-AGS-S-520	MS-AGS-D-520	520 l/min	0.75
AGSS- Simplex/Duplex -1050	MS-AGS-S-1050	MS-AGS-D-1050	1050 l/min	1.1
AGSS- Simplex/Duplex -1500	MS-AGS-S-1500	MS-AGS-D-1500	1500 l/min	1.1
AGSS- Simplex/Duplex -1820	MS-AGS-S-1820	MS-AGS-D-1820	1820 l/min	1.5
AGSS- Simplex/Duplex -2500	MS-AGS-S-2500	MS-AGS-D-2500	2500 l/min	2.2
AGSS- Simplex/Duplex -3770	MS-AGS-S-3770	MS-AGS-D-3770	3770 l/min	3
AGSS- Simplex/Duplex -REMOTE	MS-AGS-S-RS	MS-AGS-D-RS	AGSS Remote Switch	

### AGSS SWITCH



The AGSS Remote Control Unit provides convenient control of the plant and gives a clear visual indication of the systems operating status. These units can be fitted in several locations where control of the plant is required. The Control Unit is available in two variants with 3 or 4 indications.



**Medismart** – Advancing healthcare with trusted, high-quality **Medical Engineering** across the GCC.



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