

Anaesthetic Gas Scavenging System



- Specifications:**
- HTM 2022:1997/HTM 02-01/BS6834 - Medical Gas Pipeline System
 - EN 737-3:1998 - Medical Gas Pipeline System
 - C11 – NHS Estates Model Engineering Specification
 - Wired to the current IEE regulations & BS7971



Excellence in Medical Engineering

Introduction

WTK Anaesthetic Gas Scavenging System is used to remove anaesthetic gases directly from patient connection from Anaesthesia Machine by means of Air mixer, AGSS outlet pipeline and AGSS Exhauster to provide clean and free Anaesthesia Gases environment in operation theatres.

WTK Anaesthetic Gas Scavenging System is designed to meet the requirement of HTM2022/HTM02-01, C11 and EN737 and types of Anaesthetic Gas Scavenging System is determined based on the circulation and requirements of HTM 2022/HTM02-01 and EN 737 flow requirements.

Description

Generally, radial blower type pumps are used in the WTK AGSS system. These AGSS pumps convey air, other non-explosive gases and non-explosive gases mixtures absolutely oil-free at gas ambient temperature up to 40°C.

AGSS pumps can be operated either by remote switch available on the pendant console or remote switch available on the bed head trunking which has AGSS outlets.

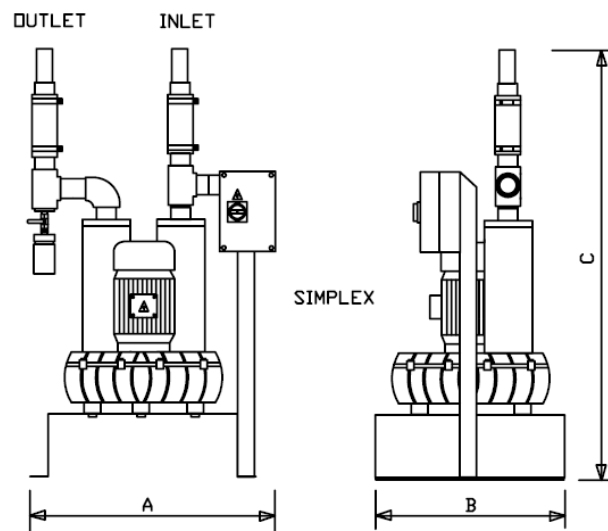
Each AGSS outlet has maximum 130 L/Min flowrate at 1 kPa pressure drop and 80 L/Min flowrate at 4 kPa pressure drop and hence the selection of AGSS system is greatly depending on these requirements.

- ❖ A choice of capacity AGSS system is available from 42 to 1080 m³/hr.
- ❖ A choice of AGSS motor power is available from 0.37 to 11 kW.

TECHNICAL SPECIFICATION:

Designation	Anaesthetic Gas Scavenging System
Dimensions	See attached sheet
Standard	All plants are designed and built to HTM 2022/HTM 02-01 and BS 6834
Specification:	Flexible connections on both inlet and exhaust Anti vibration mounts on motor/pump units Robust floor/wall mounting framework Inlet and exhaust pipe work pre-piped on duplex models Copper pipeline connectors for both inlet and exhaust Pre – set vacuum relief valve and low pressure sensor(s) Electrical isolation switch at plant control panel All plant wiring and pipe work included Plant controls offer full indicating system Alarm and BSM output connections Easy to install 5 wire + earth 24v a.c. remote wiring All plants are tested and certified prior to dispatch Each plant is covered by a full warranty

Part List:



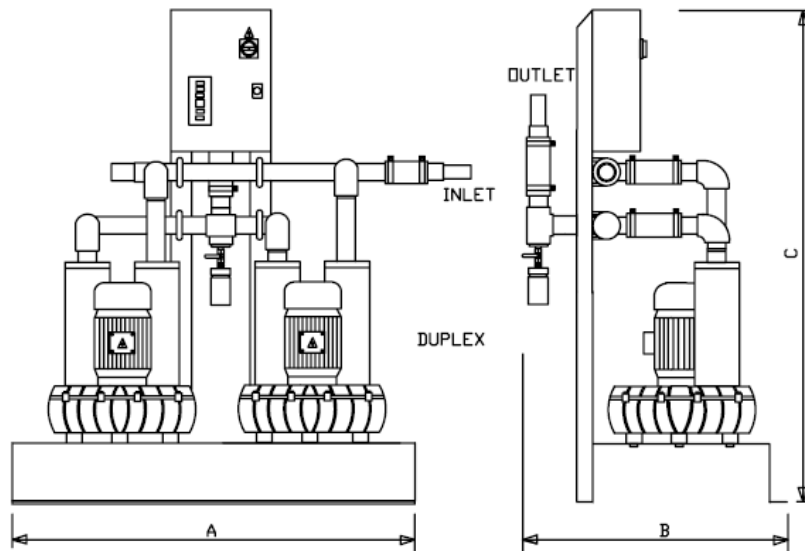
Simplex AGSS Plant

Model Number:

MODEL	FLOW LPM	A mm	B mm	C mm	WT (KG)	KW	START AMPS	RUN AMPS	FUSE AMPS
WT28001	260	450	350	700	20	0.37	7.2	1.2	4
WT28002	520	450	350	800	25	0.75	10.8	1.8	6
WT28003	1040	450	350	900	30	1.1	15.6	3.3	6
WT28004	1430	500	400	900	30	1.1	21	3.5	10
WT28005	1820	600	500	900	40	2	30	5	16
WT28006	2500	600	500	950	40	3	40.2	6.7	16
WT28007	3770	600	500	1000	45	3	40.2	6.7	16

TÜV Rheinland certified company for ISO 13485 & CE0197 Marking





Duplex AGSS Plant

Model Number:

MODEL	FLOW LPM	A mm	B mm	C mm	WT (KG)	KW	START AMPS	RUN AMPS	FUSE AMPS
WT28011	260	800	750	1200	70	2x0.37	8.4	2.4	6
WT28012	520	800	750	1200	80	2x0.75	12.6	3.6	10
WT28013	1040	1000	800	1200	90	2x1.1	18.2	6.6	10
WT28014	1430	1000	800	1200	100	2x1.1	24.5	7	16
WT28015	1820	1000	800	1200	100	2x2	35	10	20
WT28016	2500	1000	800	1200	110	2x3	46.9	13.4	25
WT28017	3770	1000	800	1200	110	2x3	46.9	13.4	25



*** Duplex AGSS Plant & Control Panel**

TÜV Rheinland certified company for ISO 13485 & CE0197 Marking

