

Anaesthetic Gas Scavenging System

The 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 MS2675-1 / HTM2022 / HTM02-01, C11 and EN737 and types of Anaesthetic Gas Scavenging System is determined based on the circulation and requirements of flow requirements.

Electrical Requirement depending upon the country used and all internal electrical wiring and cable connections are in accordance to IEE wiring regulations.



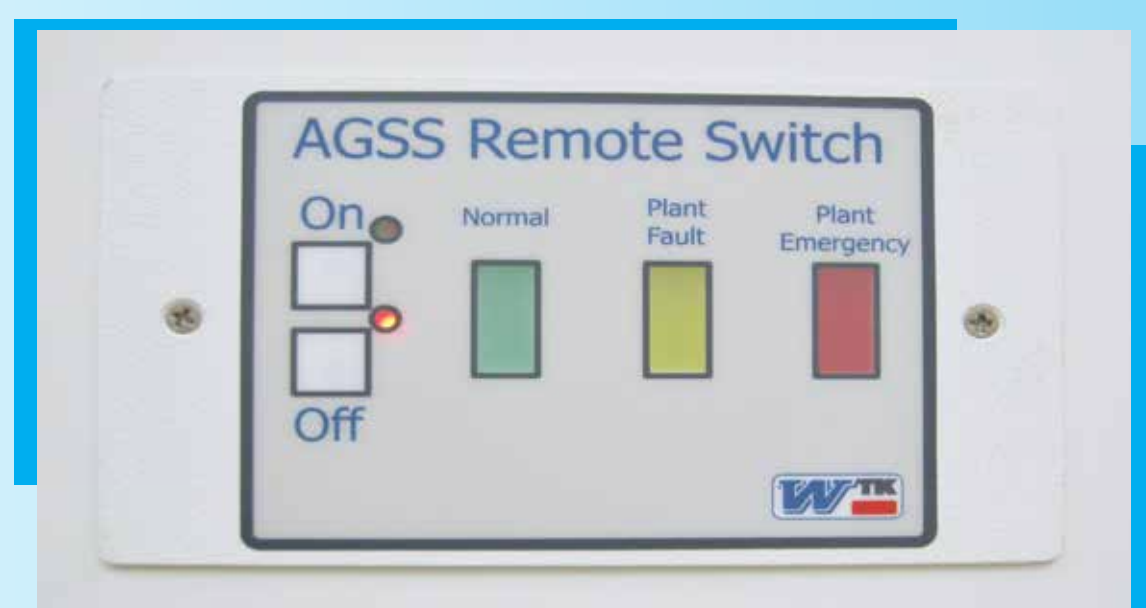
Description

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.

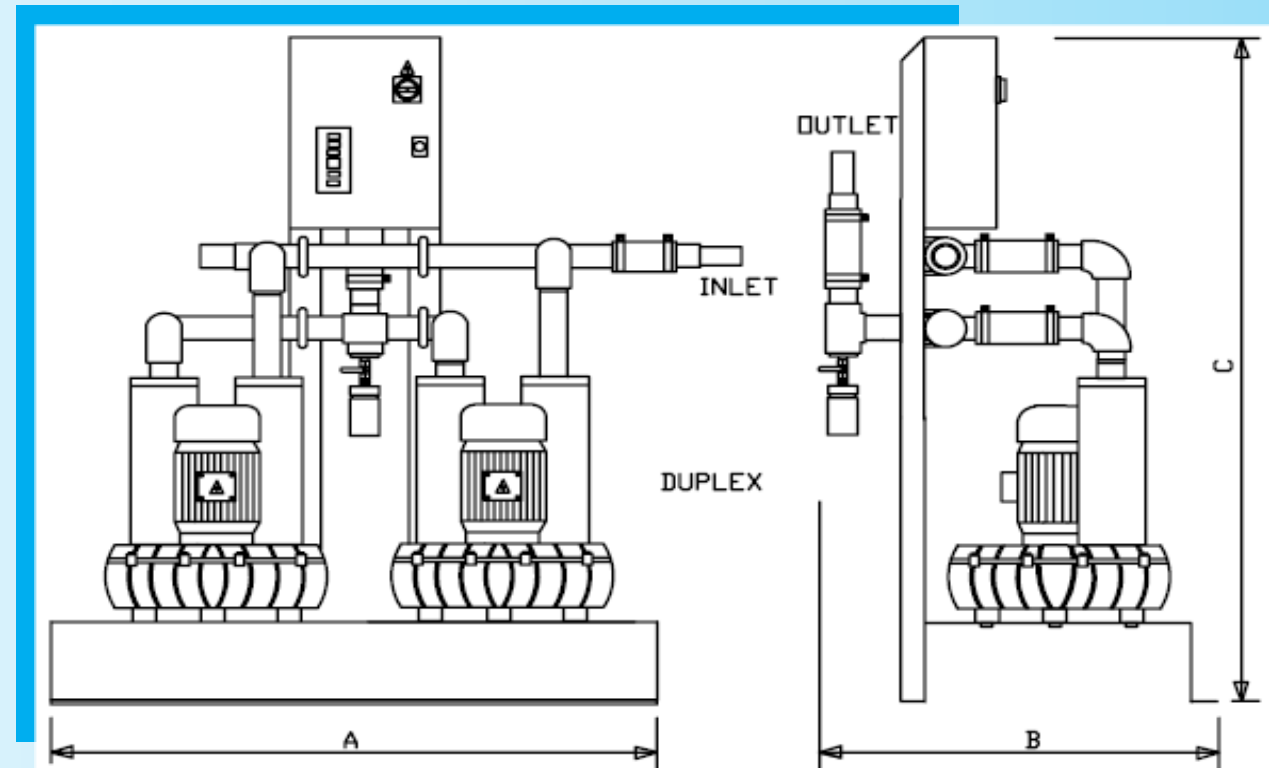
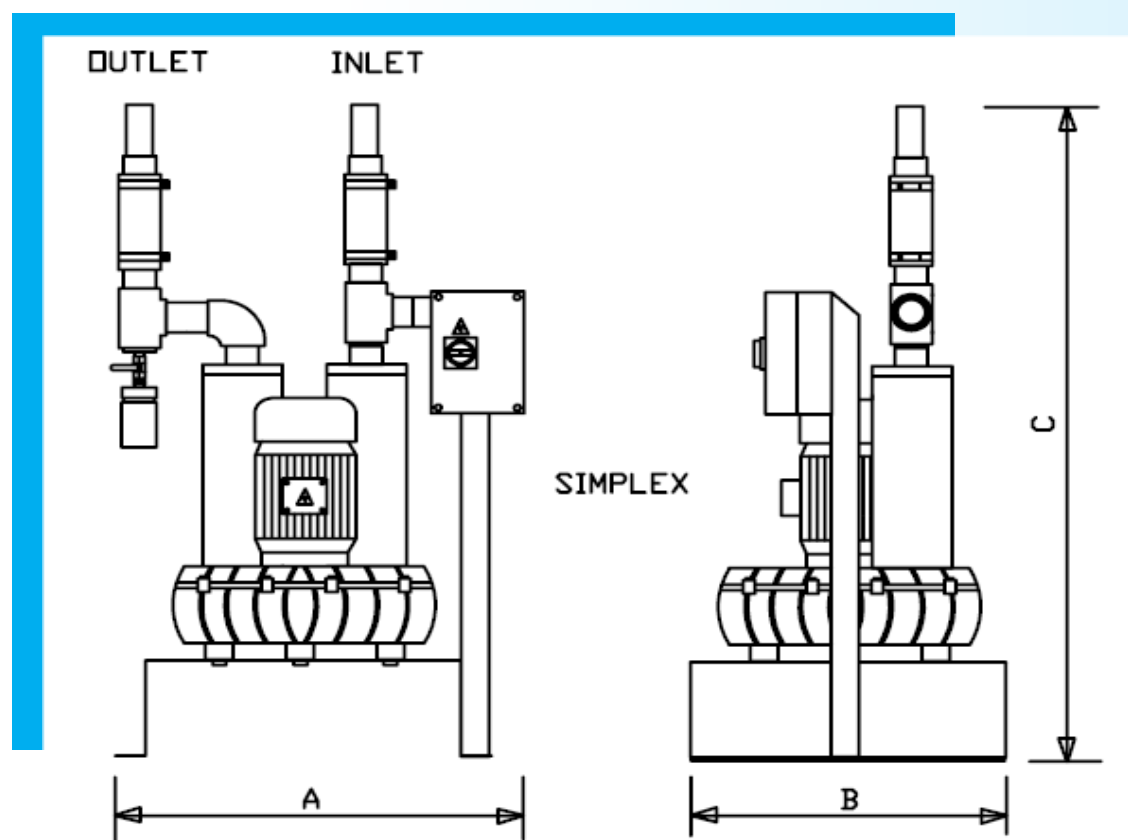
1. A choice of capacity AGSS system is available from 42 to 1080 m3/hr.
2. A choice of AGSS motor power is available from 0.37 to 11 kW.



AGSS Remote Switch

Innovative Design in Medical Engineering

Typical Layout Of AGSS Plant



Technical Specification

MS 2675-1:2017 Medical gas systems
 HTM 2022:1997/HTM02-01 – Medical Gas Pipeline system
 HTM 2020 – Electrical Safety Low Voltage System
 C11 – NHS Estates Model Engineering Specification
 EN737-3: 1998 – Medical Gas Pipeline System
 BS6834 – Specification for anaesthetic gas scavenging systems
 EN ISO 7396-2 – Medical gas pipeline systems. Part 2: Anaesthetic gas scavenging disposal systems

Designation : WT28000 Anaesthetic Gas Scavenging System
 Configuration : Simplex / Duplex
 Dimension : Varies
 Components : Side Channel Blower / Control Panel / Relief Valve
 Electronics : PLC control
 Power Rating : 415VAC 3 Phase input, 50/60 Hz

Model Number

MODEL	FLOW LPM	A mm	B mm	C mm	WT (KG)	KW	START AMPS	RUN AMPS	FUSE AMPS
SIMPLEX AGSS PLANT									
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	2.0	30	5.0	16
WT28006	2500	600	500	950	40	3.0	40.2	6.7	16
WT28007	3770	600	500	1000	45	3.0	40.2	6.7	16

MODEL	FLOW LPM	A mm	B mm	C mm	WT (KG)	KW	START AMPS	RUN AMPS	FUSE AMPS
DUPLEX AGSS PLANT									
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	7.0	16
WT28015	1820	1000	800	1200	100	2x2	35.0	10.0	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

WT28050 AGSS Remote Switch
 WT28060 AGSS Probe

