



DOUBLE BLOWER UNIT

Conforms to: IS / ISO 7396-2 : 2007, IS / ISO 80601-2-13 : 2011 + A2 : 2018
HTM : 02-01 Part A

Certifications: ISO 13485:2016 – Medical devices – Quality Management Systems
ISO 9001:2015 - Quality Management Systems

AKTIV Evacuator - the Anaesthetic Gas Scavenging (AGS) units are designed to remove waste gases effectively from the patient breathing circuit or patient ventilation circuit from operating environment to an appropriate place of discharge.

The evacuation process is intended to reduce the exposure of healthcare personnel and provide a safe, healthy workspace by controlling occupational exposure to waste anaesthetic gases.

AGS units are available in Single Blower (MONO) and Double Blower (DUO) configurations. These are dedicated low velocity evacuation and disposal system for collection of excess gases from one or more Operation Rooms and discharged to the outdoor atmosphere. The powerful side channel exhaust blower makes the unit very compact, reliable and creates sufficient negative pressure, so that cross-contamination does not occur in a dedicated pipeline where multiple ORs are connected.

Special Features

- Robust & Compact design
- User friendly controller
- Low 110V Remote Switches
- Choice of Single or Double Blower Unit
- High performance side channel blowers from Germany
- Optional Simple & Durable remote start switches
- Compliance: MDR 2017 / 745

Optional Features

- Remote operation from multiple OTs available
- Receiving unit with Transfer & Evacuation Hose recommended for each OT connected to the system



SINGLE BLOWER UNIT

MONO or DUO are part of active evacuation and disposal system which can produce high capture levels and removal at the source eliminates the possible long term health hazards for the exposed medical staff in hospitals, stand-alone operating rooms, recovery rooms, dental operations etc. These are most suitable onsite disposal systems for health care facilities that have multiple operating suites.

AGS unit "DUO" is a double unit set-up wherein, one unit is in operational mode while other unit is in stand-by mode but DUO has additional advantage of automatically supporting the operating unit in case of higher demand and remains operational till restoration of normalcy. It also offers a choice to pre-select operative & stand-by mode.

Technical & Ordering Information

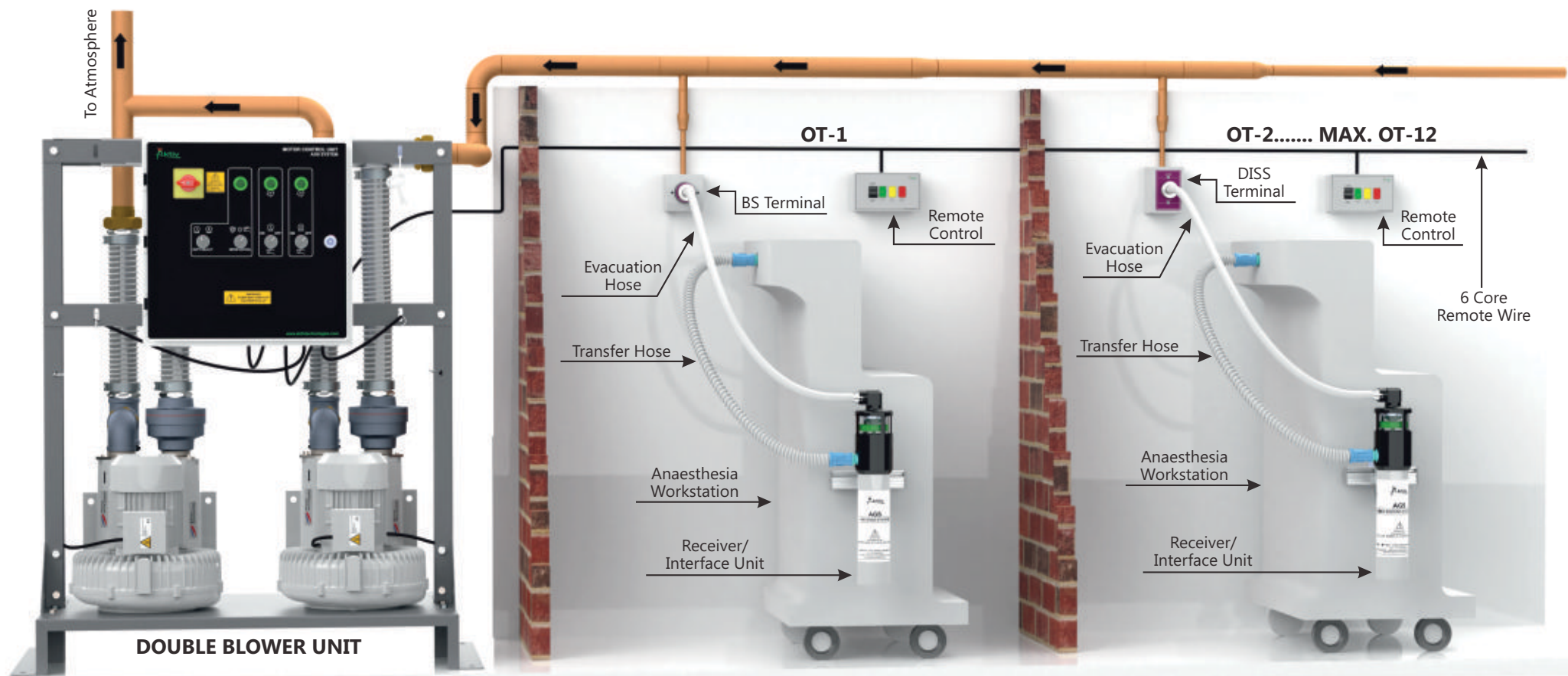
Model	Type	System Capacity	Electrical Input	Power	Ordering Code
AGS-M – 4 – OR	Mono	650 LPM	3 Phase, 345-415V 50Hz	0.85 kW	6071000
AGS-M – 8 – OR	Mono	1300 LPM		1.3 kW	6072000
AGS-M – 12 – OR	Mono	2080 LPM		1.6 kW	6073000
AGS-D – 4 – OR	Duo	650 LPM	3 Phase, 345-415V 50Hz	0.85 kW	6074000
AGS-D – 8 – OR	Duo	1300 LPM		1.3 kW	6075000
AGS-D – 12 – OR	Duo	2080 LPM		1.6 kW	6076000

Note: Suction capacity measured at intake of the unit at -125mbar (-1.5psig approx.)

A dedicated set-up of active Anaesthetic Gas Scavenging System (AGSS) functionally has four essential components :

1. Plant - Low vacuum pump or blower.
2. Transfer Hose – To transfer excess gas from APL Valve of a breathing circuit or the exhaust port of a Anaesthesia Workstation.
3. Receiving Unit – An interface between breathing and disposal system. **
4. Disposal System -
 - a. Evacuation hose - To evacuate excess gas from receiving unit.
 - b. Terminal outlet - Terminal for pipework connection.
 - c. Inter connecting pipe work - Connects outlet / outlets to blower for eventual disposal.

****The scavenger interface /receiving unit is the most important component in an active system for protection from excessive positive system pressure. (Refer to the separate brochure "Harmony" The Scavenging Interface.)**



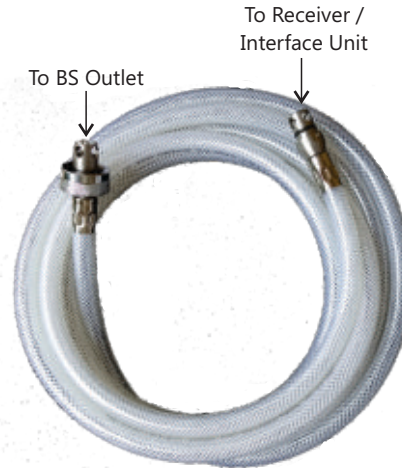
Schematic representation of AGS System

AGSS / WAGD Accessories

Anaesthetic Gas Scavenging Unit i.e. vacuum source plant (AGS MONO & AGS DUO) require accessories to make the system work effectively. Other than the vacuum source, accessories associated with the unit are optional. (Pipework excluded)



Harmony-Receiver / Interface Unit
Conforming to IS/ISO 80601-2-13:2011+A2:2018
Ordering Code : 6070100



3m BS Compatible AGSS Evacuation
Hose Assembly (5m on request)
Ordering Code : 6071100



Kink-resistance transfer hose
with a pair of 30 mm conical (ISO).
Male & Female connector.
Ordering Code : 6070105



Harmony-Receiver / Interface Unit with Transfer
& Evacuation Hose assembly (3m) conforming
to IS / ISO : 80601-2-13:2011+A2:2018
Ordering Code : 6070101



Remote Control Switch
Ordering Code : 6071400



Scavenging Connector for
Transfer Hose - 30 mm
ISO Conical Male & Female (Pair)
Ordering Code : 6070103



AGSS Outlet - DISS
Ordering Code : Wall - 6016710
Ordering Code : Panel - 6016720



AGSS Outlet - BS
Ordering Code : Wall - 6013711
Ordering Code : Panel - 6013721