

BLOWERS TYPE STATION FOR ANAESTHETIC GAS SCAVENGING SYSTEM

The central Anesthetic Gas Scavenging System with lateral channel blowers is an efficient system necessary for expelling to the atmosphere the exhaled breath of the patient when enriched by anesthetic substances.

The blowers station represents an excellent solution for the realization of centralized AGSS networks fit for supplying Operating Theaters and Preparation/Recovery units.

Due to compact size and low noise levels, the unit itself can also be installed inside the operating theater area (dirty hallway, storage devices, etc..).

The plant consists of 2 side channel blowers that automatically alternate every 120 minutes function. In case of one blower failure, the second blower automatically starts for maintaining the conditions of depression and capacity of the system. The flow rate of each pump must therefore covers their requirement of the complete network.

The unit is equipped with one air flow valve that allows to provide a maximum vacuum level of 140 mm/hg.



There are 4 different sized blowers stations:

CENTRAL UNIT BLOWERS TYPE CGA30 MODEL code 21400030
 CENTRAL UNIT BLOWERS TYPE CGA70 MODEL code 21400070
 CENTRAL UNIT BLOWERS TYPE CGA100 MODEL code 21400100
 CENTRAL UNIT BLOWERS TYPE CGA130 MODEL code 21400130
 CENTRAL UNIT BLOWERS TYPE CGA180 MODEL code 21400180

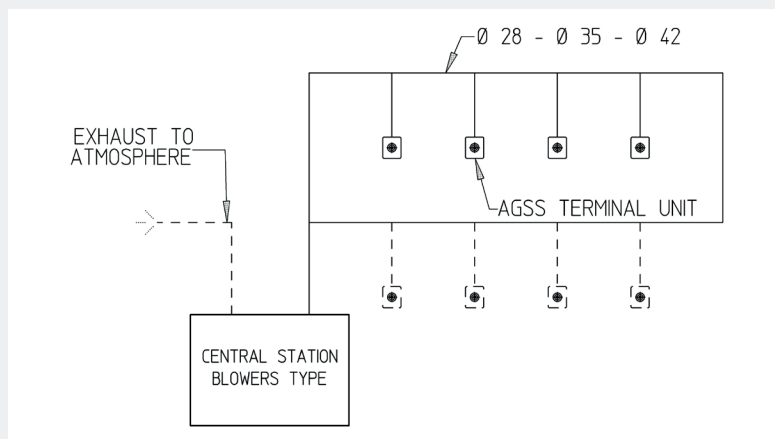
REMOTE CONTROL PANEL for all type CGA code 21400010

Dimensions and weight:

TYPE	HEIGHT mm	WIDTH mm	DEPTH mm	WEIGHT kg
CGA 30	930	600	800	85
CGA 70	930	600	800	95
CGA 100	930	600	800	100
CGA 130	930	600	800	110
CGA 180	930	600	800	145

TYPE	CAPACITY (NM3/H)	DEPRESSION (mbar)	MOTOR RATING (V- I ~)	MOTOR POWER (KW)	RPM	NOISE LEVEL (DBA)
CGA 30	40	30/40	230V-50Hz (I)	2x0,2	2800	50
CGA 70	100	80/100	230V-50Hz (I)	2x0,37	2800	54
CGA 100	145	80/140	230V-50Hz (I)	2x0,8	2800	63
CGA 130	210	80/140	230V-50Hz (I)	2x1,5	2800	64
CGA 180	318	80/140	230V-50Hz (I)	2x2,2	2800	72

(I) Available on request: 3-phase multivolts 50/60Hz



It is basically constituted by :

N° 2 Blowing pumps complete with non-return valve

Engine power and load depending on the model - Voltage 230V-50Hz

N° 1 Air flow valve not allowing depression higher than 110 mm/hg

N° 1 Suction filter for pumps protection

N° 1 Vacuum gauge

N° 1 Electrical control panel complete with automatic switch-over device

N° 2 IN/OUT connection D.42

The complete system is mounted in a lacquered steel case.

AGSS units, blowers type, are equipped with EEC 17+T plug for the voltage supply.

The on/off is activated through REMOTE CONTROL PANEL. This panel is installed on every operating theater supplied from the central unit (in case of more theatres depending on the same unit, it would be better to install more panels).

The panel has been realized complying with the norm EN 475 and is supplied in a lush mounting box.

In addition to the ON/OFF buttons the panel is equipped with ACOUSTIC AND LUMINOUS alarms also indicating:



Insufficient depression when the depression is lower than 40 mm/hg

PUMP 1 stop and PUMP 2 stop.

The control panel is also equipped with LED indicating the NORMAL FUNCTIONING, TEST BUTTON and SWITCH-OFF.

